PN-AAN-048
ISN: 29604

WATER AND SANITATION FOR HEALTH PROJECT

WASH

COORDINATION AND INFORMATION CENTER

Operated by CDM FIVE for the U.S. Agency for International Development

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SUMMARY OF WASH PROJECT ACTIVITIES FOR LATIN AMERICA AND CARIBBEAN BUREAU

September 1, 1980 - May 26, 1981

UNITED STATES INTERNATIONAL DEVELOPMENT COOPERATION AGENCY
AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D.C. 20523

May 26, 1981

MEMORANDUM

TO: Bureau for Latin America and the Caribbean Personnel

FROM: DS/HEA, Victor Wehman, Jr., P.E., R.S. VWW
WASH Project Manager

SUBJECT: WASH Project Services in Water Supply and Sanitation to Regional Bureaus

The Water and Sanitation for Health (WASH) Project began on Sept. 1, 1980. After about a two-month contractor facility and personnel mobilization period, services to the field were advertised as available on 19 Oct. 1980 in STATE 278993 cable. Actual field and AID/W requests for WASH services began coming into DS/HEA in mid-November 1980. Since mid-November, the WASH project has worked on water supply and sanitation activities in over 30 countries; some tasks are just beginning and others have been completed.

Enclosed one will find the Agency's most recent information on project identification and funding of water supply and sanitation projects in the Latin American and Caribbean Bureau (LAC). One can readily see major development initiatives are being made in LAC in water supply and sanitation. Since 1979, LAC has obligated in excess of $30 million in 9 water and sanitation projects in 6 countries.

Enclosed one will also find a summary of WASH Project services to the LAC Bureau including detailed aspects of each request and authorization in the Appendix.

The DSB encourages the LAC Bureau to participate not only in the utilization of the WASH services, but also to participate in the funding of FY 83 WASH services by provision of Regional project funds, PDS funds or field mission funds, or other sources to WASH in block grants; as previously discussed at PP and PAF stages of WASH Project development with each of the regional bureau's assistant administrators and technical health staff.

The WASH Project is an inter-regional resource, one which has already proved in many ways its viability, timeliness and professional interdisciplinary approach to water supply and sanitation programs/projects and problems. One would hope that the LAC Bureau would participate appropriately in the budgetary support of the WASH service resource for LAC Bureau field missions and LAC, AID/W needs especially in the areas of technical assistance, including training, technology transfer, community development and institutional strengthening, project conception and trouble-shooting. The WASH Project is at this time a one of a kind, experimental, quick response, highly professional, interdisciplinary resource. One would hope that the Agency uses this unique resource effectively after all the work that went into creating it and getting it operational.

A copy of the WASH brochure is enclosed.

VWW:ja

Summary of Latin America and Caribbean Bureau Project Activities in Water Supply & Sanitation

Country/Project Title	Project No.	FY 76 actual ($000's)	T.Q. actual ($000's)	FY77 actual ($000's)	FY 78 actual ($000's)	FY 79 actual ($000's)	FY 80 actual ($000's)	FY 81 estim. ($000's)	FY 82 requested ($000's)
Caribbean Regional Community Water Supply & Sanitation	538-0020					1,000	800		
Bolivia									
Rural Sanitation	511-0458			4,100	100	35	121		
CARE: Rural Water System (PVO)	511-0479		150	150					
Potable Water (PVO) CARE	511-0495						229		
Dominican Republic									
Health Sector II (Water Sup. Comp.)	517-0120				(7,000)	8,000			
Health Sector III	517-0153								5,000
Ecuador									
Rural Health Nutr. & Potable Water	518-0015							5,200	1,300
Rural Potable Water - OPG	518-0020						111	70	
El Salvador									
Rural Potable Water Delivery	519-0209					390			
Guatemala									
Village Water & Sanitation (CARE)	520-0231	100	25	36					
OPG Integrated Comm. Dev. & Water	520-0244			75					
Haiti									
Potable Water - Phase II (CARE)	521-0012				101				
Honduras									
CARE - Village Water Systems-OPG	522-0152				100				
Municipal Development Bank	522-0165						3,000		
Rural Water & Sanitation	522-0166						10,500		
Peru									
Use of Treated Sewage for Irrigation	527-0150		125	200					
Comm. Water & Health Srvs.-(CARE) (OPG)	527-0177			220	230				
Water Mgmt. in Small Comm. (OPG) FUPADERUC	527-0188								
Rural Water Systems for the Sierra	527-0221						5,000	150	150
LAC TOTAL		100	300	4,781	7,531	9,425	19,761	5,420	6,450

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Summary of WASH Project Activities

for Latin America and Caribbean Bureau

Table of Contents

Summary of WASH Project Activities for Bureau for Latin America and the Caribbean
September 2, 1980 - May 26, 1981

WASH Number	Country/Bureau	Title	Person Days Authorized	Estimated Costs	Status*
T-1	Dominican Republic	Hand Pump Manufacturing	40	$ 16,000	O
T-5	Peru	UNICEF/Pan American Health Organization WS&S Workshop & Discussion of WASH Services	12	$ 4,200	C
T-6	Peru	Social Science Analysis for WS&S: AID Administrator Bennett Project Evaluation	16	$ 4,400	C
T-8	DS/HEA	Pan American Health Organization/ Caribbean Community WS&S Planning Meeting in Barbados	6	$ 1,300	C
T-9	Haiti	Rural Water Supply Review	16	$ 7,100	C
T-14	Ecuador	Peri-Urban and Rural Water Supply and Sanitation Program Review and Project Development	35	$ 30,000	C
T-[illegible]	El Salvador	Review of Appropriate Water Supply Technologies, Implementation Planning, Local Manufacturing and Training	20	$ 8,000	S
T-18	Peru	WS&S Implementation Plan Design for Rural Water Project	40	$ 16,000	C
T-19	Central America	Food Wastage Project: Expert Panel Review	80	$ 20,000	O
T-21	Dominican Republic	Water-Seal Latrine and Water Storage/ Treatment Design Analysis	80	$ 32,000	O
T-24	Ecuador	Rural WS&S System Design for AID Project Paper	42	$ 16,800	C
T-29	Honduras	Development of Local Capability to Fabricate Hand Pumps and Well Screens	100	$ 40,000	O
T-30	Guatemala and ROCAP	Participation in XIII Central American Congress of Sanitary Engineering Meeting, 16-20 March, 1981, Guatemala City	4	$ 2,000	C

(continued)

*Status - C: Completed; O: On-going; S: Suspended.

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Summary of WASH Project Activities for Bureau for Latin America and the Caribbean (cont.)
September 2, 1980 - May 26, 1981

WASH Number	Country/Bureau	Title	Person Days Authorized	Estimated Costs	Status*
	Ecuador (DS/HEA contract with APHA)	Conceptualization of Rural Water Supply and Sanitation Project	April - May 1980	$ 11,200	C
	Ecuador (DS/HEA contract with Georgia Tech)	Technical Assistance in Local Manufacturing and Field Testing of AID Handpumps, Robovalves & Roboscreens	September 22, 1980 - September 23, 1981	$ 97,000	O
			Total	$306,000	

*Status - C: Completed; O: On-going; S: Suspended.

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May 26, 1981

WASH COSTS

LATIN AMERICAN BUREAU

OTD #1 - Dominican Republic Mission		
Hand Pump Expertise to Dominican Republic		
WS&S Tech Assistance	$ 3,123.	
CIC Co-ordination	160.	
Travel	1,626.	
Information	52.	
Total OTD #1		$ 4,961.
OTD #5 - Latin American Bureau		
Representative for Lima Conference		
WS&S Tech Assistance	$ 2,508.	
Information	466.	
Travel	1,226.	
Total OTD #5		4,200.
OTD #6 - Latin American Bureau		
Social Science Analysis for AID WS&S Project Evaluation		
CIC Co-ordination	$ 368.	
WS&S Tech Assistance	2,355.	
Travel	1,661.	
Total OTD #6		4,384.
OTD #8 - Latin American Bureau		
Representative for PAHO Caribbean Conference		
WS&S Tech Assistance	$ 373.	
Travel	722.	
CIC Co-ordination	162.	
Total OTD #8		1,257.
OTD #9 - Haiti Mission		
Rural Water Assistance to Haiti		
WS&S Tech Assistance	$ 5,617.	
CIC Co-ordination	283.	
Equipment	68.	
Travel	1,135.	
Total OTD #9		7,103.

WASH COSTS

LATIN AMERICAN BUREAU

OTD #14 - Ecuador Mission
Technical Assistance to USAID/Ecuador

WS&S Tech Assistance	$ 2,419.	
Travel	24,861.	
CIC Co-ordination	1,673.	
Boston Support	1,471.	
Total OTD #14		$ 30,424.

OTD #17 - El Salvador Mission
Review WS&S Technology, Implementation Planning, Local Manufacturing and Training for El Salvador

WS&S Tech Assistance	$ 1,231.	
Total OTD #17		1,231.

OTD #18 - Latin American Bureau
Plan Rural Water Supply and Sanitation Program for Latin American

WS&S Tech Assistance	$ 3,950.	
CIC Co-ordination	442.	
Travel	907.	
Boston Support	143.	
Total OTD #18		5,442.

OTD #19 - Guatemala Mission
Project Review Panel for Guatemala

WS&S Tech Assistance	$10,110.	
Travel	1,669.	
Information	92.	
CIC Co-ordination	3,937.	
Total OTD #19		15,808.

OTD #21 - Dominican Republic Mission
Water-sealed Latrines & Water Containers for the Dominican Republic

WS&S Tech Assistance	$15,767.	
Boston Support	5,686.	
CIC Co-ordination	172.	
Travel	6,473.	
Total OTD #21		28,098.

WASH COSTS

LATIN AMERICAN BUREAU

OTD #24 - Ecuador Mission		
Technical Assistance to USAID/Ecuador		
WS&S Tech Assistance	$ 53.	
CIC Co-ordination	97.	
Total OTD #24		$ 150.
OTD #29 - Honduras Mission		
Technical Assistance to Honduras		
WS&S Tech Assistance	$ 167.	
Total OTD #29		167.
OTD #30 - Guatemala Mission		
Representation of AID & WASH at the 13th Central American Congress of Sanitary Engineering		
WS&S Tech Assistance	$ 82.	
CIC Co-ordination	614.	
Travel	952.	
Total OTD #30		1,648.
TOTAL OTD's FOR LATIN AMERICAN BUREAU		$104,873.

May 26, 1981

WASH COSTS

LATIN AMERICAN BUREAU

CIC #1 - Guatemala Mission
Guatemala Project Review
CIC Co-ordination $ 583.

Total CIC #1 . . . . . $ 583.

CIC #9 - Chile Mission
Review Sanitago, Chile Environmental Sanitation Project
no costs to date

CIC #90 - Peru Mission
Preliminary Work for Anticipated OTD for USAID/Lima
no costs to date

CIC #93 - Haiti Mission
Preliminary Activities Prior to Request from Haiti re: Composting Excreta
no costs to date

CIC #114 - Latin American Bureau
Dispatch of WS&S Materials to Latin America
no costs to date

TOTAL CIC's FOR LATIN AMERICAN BUREAU . . . . . $ 583.

TOTAL FOR LATIN AMERICAN BUREAU . . . . . $105,456.

OTD #1 - September 23, 1980

HAND PUMP MANUFACTURING: DOMINICAN REPUBLIC

The AID Health Sector Loan Project for manufacturing AID hand pumps in the Dominican Republic was having trouble with quality control, materials processing and testing in the foundry operation, in-shop techniques of assembly, and in the organization of larger scale production activities, and the Mission requested WASH Project assistance.

A consultant from the University of Maryland well-versed in AID hand pump and manufacturing was sent to the Dominican Republic in October 1980 and again in November to assess the situation. The consultant identified casting, design and dimensional errors in several materials which would make pump assembly and maintenance difficult, if not impossible. These problems have been solved and the possible use of locally manufactured PVC deep well cylinders is being considered.

A further visit to follow-up previous recommendations and complete this task is scheduled for March 1981.

This Order of Technical Direction has an authorized level of effort of forty person days, of which nineteen have been used. The original time frame of three calendar months has been extended to accommodate availability of personnel at the local level and travel schedules. Further details are available from Mr. James Arbuthnot, WASH Project Director.

WATER AND SANITATION FOR HEALTH PROJECT

ORDER OF TECHNICAL DIRECTION NUMBER 1 SEP 2 3 1980

TO: WASH Contract Project Director, Mr. James Arbuthnot, P.E.

FM. AID WASH Project Managers
Mr. Manoj K. Batavia, P.E.
Mr. Victor W. R. Wehman Jr., P.E., R.S.

SUBJECT: Provision of Technical Assistance Under WASH Project Scope of Work for USAID/Dominican Republic

References: A) Santo Domingo 3974
B) Santo Domingo 5208
C) Santo Domingo 7438

1. WASH Contractor requested to provide technical assistance to USAID/Santo Domingo as per ref A scope of work (augmented).

2. WASH contractor/sub-contractor/consultants authorized to expend up to forty (40) person days effort over a three (3) month period to accomplish this technical assistance effort.

3. Contractor to provide draft final report to mission before leaving mission upon acceptance of first full manufacturers run of AID handpumps in the Dominican Republic. Final report due DS/HEA and mission within 30 days of acceptance of handpumps.

4. Contractor to coordinate directly with USAID/Santo Domingo, probably with Program Officer or mission engineer. Check with Mr. Charles Mathews, Chief Engineer for LAC for names and numbers of persons in the mission. Make sure Mr. Mathews and Ms. Sandoval (LAC/DR/HN) receive info copies of this order.

5. WASH Project Managers recommend that WASH contractor use technical assistance personnel for this effort that are already familiar with local manufacturing of the AID Handpump. Spanish language capability is highly desirable. Georgia Tech (tel no. 404-894-3851) have copies of the working drawings and latest designs for use in local manufacture and pattern development. Contractor authorized to pay for local patterns or models necessary for bringing about local manufacture of the handpump with the manufacturer that the mission has chosen. This should not exceed $1500.00 for the patterns and molds development.

6. WASH contractor authorized to allow consultant to make up to 4 trips in and out of Dominican Republic to his/her home base as appropriate during the technical assistance effort. Not necessary for consultant to come to Washington for briefing. Handle coordination by phone.

7. Mission should be contacted immediately and technical assistance initiated as soon as possible and convenient to USAID/Santo Domingo.

8. Appreciate your prompt attention to this matter. Good Luck.

COPY

Department of State

REF A TELEGRAM

Wehman

PAGE 01 SANTO 03974 110925Z 005376 A102770

SANTO 03974 110[illegible]Z 005376

ACTION AID-35

ACTION OFFICE OSHE-01
INFO AALA-01 LAEM-02 LADR-03 AADS-01 CH8-01 RELO-01 MAST-01
LACA-03 /014 A1

INFO OCT-01 /036 W
----------029295 110031Z /34

R 181638Z JUN 80
FM AMEMBASSY SANTO DOMINGO
TO SECSTATE WASHDC 4602

UNCLAS SANTO DOMINGO 3974

ADM AID

FOR VIC WEHMAN, DS/HEA

INFO CHARLES MATHEWS, LAC/DR, SUSAN MERRILL, LAC/CAR

E.O. 12065: N/A
TAGS:
SUBJECT: TDY ASSISTANCE FROM GEORGIA TECH FOR PUMP MANUFACTURE

1. MISSION CONCURS WITH AID/W PROPOSAL TO PROVIDE TDY TECHNICAL ASSISTANCE FROM GEORGIA TECH TO LOCAL MANUFACTURER OF HAND PUMPS BEING FABRICATED FOR USE UNDER HEALTH SECTOR LOAN II, AS PER LETTER FROM S. MERRILL DATED APRIL 29.

2. MISSION UNDERSTANDS FUNDING FOR THIS TA WILL BE PROVIDED BY DS/HEA. NO, REPEAT, NO MISSION FUNDS ARE AVAILABLE AND SUPPORT SERVICES (VEHICLES AND SECRETARIAL) ARE UNFORTUNATELY SEVERELY LIMITED.

3. SCOPE OF WORK REQUIRES TWO TYPES OF ASSISTANCE WHICH POSSIBLY COULD BE PERFORMED BY ONE SPANISH SPEAKING PERSON AS FOLLOWS:

A. TO PROVIDE TECHNICAL AND PRACTCIAL ASSISTANCE TO INSURE QUALITY CONTROL OF RAW MATERIALS.

(1) TA PERSONNEL WILL PROVIDE TECHNICAL AND PRACTICAL ASSISTANCE TO LOCAL MANUFACTURERS AND FOUNDRIES TO INSURE QUALITY CONTROL ESPECIALLY IN PREPARATION OF CAST IRON FOR FABRICATION OF HAND PUMPS.

(2) PERSONNEL QUALIFICATIONS MUST INCLUDE BOTH THEORETICAL AND PRACTICAL EXPERIENCES AND EXPERTISE IN MATERIALS PROCESSING, TESTING AND PREPARATION.

(3) TASK WILL REQUIRE TWO (2) WEEKS AT FIRST STAGE, BEGINNING END OF JUNE 1980, AND ONE (1) WEEK FOR SECOND STAGE AT THE END OF AUGUST 1980.

B. TO PROVIDE PRACTICAL SHOP PUMP CONSTRUCTION TECHNIQUES PRIMARILY TO INSURE QUALITY CONTROL IN ASSEMBLY, MASS PRODUCTION AND INTERCHANGEABILITY OF PARTS.

(1) TA PERSONNEL WILL PROVIDE PRACTICAL EXPERTISE FOR PUMP CONSTRUCTION, INDICATING SHOP TECHNIQUES NECESSARY TO INSURE PORPER AND CORRECT INSTALLATION OF BUSHINGS, PINS, AND OTHER COMPONENTS IN MASS PRODUCTION FABRICATION AND ASSURE THAT ALL SUCH COMPONENTS ARE INTERCHANGEABLE.

(2) PERSONNEL QUALIFICATIONS MUST INCLUDE BOTH THEORETICAL AND PRACTICAL EXPERIENCE AND EXPERTISE, BUT PRIMARILY PRACTICAL KNOWLEDGE OF SHOP ASSEMBLY OPERATIONS AND ORGANIZATION FOR MASS PRODUCTION.

(3) TASK WILL REQUIRE TWO (2) WEEKS AT FIRST STAGE BEGINNING JUNE 1980, AND A FOLLOW-UP OF ONE (1) ONE WEEK IN AUGUST 1980.

4. THE DATES FOR PERFORMING THE TA ARE PURPOSELY IN TERMS OF MONTHS ONLY (JUNE AND AUGUST) TO PERMIT FLEXIBILITY IN SCHEDULING FOR GEORGIA TECH PERSONNEL.

5. APPRECIATE YOUR ASSISTANCE.
YOST

JUN 13 10 40 AM '80
TA/H

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ACTION COPY

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Department of State

INCOMING TELEGRAM

PAGE 01 SANTO 05208 251906Z REF B 032670 AID0823
ACTION AID-35

ACTION OFFICE OSHE-01
INFO AALA-01 LAEM-02 LAOR-03 AADS-01 CH8-01 RELO-01 MAST-01
LACA-03 /014 A1 5

INFO OCT-01 /036 W
091425 251913Z /34

R 251725Z JUL 80
FM AMEMBASSY SANTO DOMINGO
TO SECSTATE WASHDC 5256

UNCLAS SANTO DOMINGO 5208

ADM AID

FOR VIC WEHMAN, DS/HEA

INFO CHARLES MATHEWS, LAC/DR
SUSAN MERRILL, LAC/CAR

E.O. 12065: N/A
TAGS:
SUBJECT: TDY ASSISTANCE FROM GEORGIA TECH FOR PUMP MANUFACTURE

REF: SANTO DOMINGO 3974

1. MISSION HAS NOT RECEIVED RESPONSE TO REF CABLE REQUESTING TDY ASSISTANCE FROM GEORGIA TECH FOR LOCAL PUMP MANUFACTURE.

2. ASSISTANCE WAS REQUESTED TO BEGIN THE END OF JUNE WITH FOLLOW-UP IN AUGUST.

3. MISSION WOULD APPRECIATE RESPONSE ASAP WITH DATE FOR ARRIVAL OF TDY PERSON.
YOST

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Department of State

INCOMING TELEGRAM

REF C

PAGE 01 SANTO 07438 180122Z 0216 AID4951
ACTION AID-35

ACTION OFFICE OSHE-01
INFO LAEM-02 LADP-03 LADR-03 AADS-01 CHB-01 RELO-01 MAST-01
LACA-03 /016 A1 3

INFO OCT-01 /036 W
080174 180132Z /34

R 171305Z SEP 80
FM AMEMBASSY SANTO DOMINGO
TO SECSTATE WASHDC 6014

UNCLAS SANTO DOMINGO 7438

ADM AID

FOR: VIC WEHMAN, DS/HEA

INFO: CHARLES MATHEWS, LAC/DR SUSAN MERRILL, LAC/CAR

E.O. 12065: N/A
TAGS:
SUBJECT: TDY ASSISTANCE FROM GEORGIA TECH FOR PUMP MANUFACTURE

REF: (A) SANTO DOMINGO 3974 (B) SANTO DOMINGO 5208

1. MISSION WILL APPRECIATE PROMPT RESPONSE AND FOLLOW UP TO REFTELS ON SUBJECT MATTER.

2. EXPECTATIONS GENERATED BY AID/W OFFER OF ASSISTANCE AND PASSAGE OF TIME PLACE MISSION IN AWKWARD POSITION.

3. PUMP MANUFACTURING UNDER HEALTH LOAN II IS NOT NOW RECEIVING TA TO INSURE QUALITY CONTROL.
TULL

SEP 19 11 17 AM '80

TA/H

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OTD #5 - October 16, 1980

UNICEF/PAN AMERICAN HEALTH ORGANIZATION WS & S WORKSHOP AND DISCUSSION OF WASH SERVICES - LIMA, PERU

This meeting was one of six held by UNICEF in its several regions for the purpose of defining UNICEF's activities during the International Drinking Water Supply and Sanitation Decade, 1981-1990. It was held in Lima, Peru 17-22 November 1980.

The purposes of having a representative of the WASH Project present were 1) to learn more about UNICEF's and PAHO's plans and programs for the Water Decade, 2) to explain the WASH Project and how its work could be coordinated with the others, and 3) to meet LDC people active in water supply and sanitation.

Sixty people participated in the Workshop from twelve countries. The program included "position papers" by UNICEF and PAHO, papers on health education and development of human resources (training), case studies from Paraguay and Peru, and discussions of possible financial patterns for water supply and low-cost sanitation in slums and rural areas.

The International Reference Center for Community Water Supply of the Hague presented a description of its POETRI--Program on Exchange and Transfer of Information--which involves some sixteen countries as of June 1980 and is expected to include more in the near future. PAHO also described its Latin American Information and Documentation Network in Sanitary Engineering and Environmental Sciences. The WASH Project will work closely with these networks on information generation and exchange. Mr. Chanlett, the WASH consultant, made a flip-chart presentation of the WASH Project objectives and procedures.

These presentations were followed by workshops to design check-lists for use in developing water supply and sanitation projects in slum and rural areas.

The workshop achieved its objectives and highlighted two pressing needs for water supplies in Latin America--training of water supply workers and maintenance of water supply systems. Participants learned about the WASH Project and the AID mission in Peru became especially well informed about WASH through Mr. Chanlett's several visits. Twelve working days were authorized and six were used. For further information, contact Dr. Isely.

WATER AND SANITATION FOR HEALTH

ORDER OF TECHNICAL DIRECTION NUMBER 5

TO: WASH Contract Project Director, Mr. James Arbuthnot, P.E.

FROM: AID WASH Project Managers
Mr. Manoj K. Batavia, P.E. MB
Mr. Victor W.R. Wehman, Jr., P.E., R.S. VWW

SUBJECT: Provision of Technical Assistance Under WASH Project Scope of Work for AID/DSB/Office of Health, Re Attendance PAHO UNICEF Workshop on Water and Sanitation, Lima, Peru, 17-22 November, 1980.

REF: Attached Documents

1. WASH Contractor requested to provide technical assistance to AID/DSB/HEA as per scope of work below.

2. WASH contractor subcontractor consultants authorized to expend up to twelve (12) person days to accomplish this technical assistance effort.

3. Contractor to provide draft final report to DSB./HEA.

4. Contractor to coordinate arrangements with DSB/HEA/WASH Project Manager and with organizers of conference as needed.

5. WASH Project Manager recommends that contractor send a person familiar with rural sanitation water supply and programs ith particular emphasis in their promotion among rural villages, semi-dispersed areas and urban slums. This person should also be familiar with the WASH Project services, with PAHO and UNICEF personnel, and with AID Water Decade policy. Fluency in Spanish is essential so that the individual can fully engage in discussions.

6. WASH Contractor authorized to allow technical assistant one (1) round trip to Lima to attend the conference (6.5 days) and meet afterwards with key individuals including USAID personnel. Individual should come to Washington for briefing before and debriefing after trip. While in Peru, individual should brief USAID presonnel on WASH Project. Mission concurrence of individuals travel must be obtained from USAID/PERU prior to departure. Contractor must assure that this consultancy is well coordinated with LAC/DR HN and Engr. staff and Peru desk officer before person goes.
7. Appreciate your prompt attention to this matter.

DS/HEA/EH: V.Wehman, M.Batavia:ja:10/16/80

MB — copy in the OTD #5

TELEPHONE PLAZA 4-1234

CABLE ADDRESS UNICEF

UNICEF

UNITED NATIONS CHILDREN'S FUND · FONDS DES NATIONS UNIES POUR L'ENFANCE

UNITED NATIONS, NEW YORK

WS/547/80
7 October 1980

Mr. Eugene McJunkin
Chief of Environmental Health
Office of Health
Development Support Bureau
(Room 309 SA 16)
US Agency for International Development
Washington, D.C. 20523

Dear Eugene,

Meeting in Lima, Peru - 17-22 November 1980

I am referring to our telephone conversation early September, and my letter WS/450/80 on the subject of a possible participation of the USAID to the joint PAHO/UNICEF workshop.

It would be appreciated if you could let us know how such participation is envisaged, in particular the number of representatives, as arrangements are being made in Lima to proceed with hotel bookings and other matters.

I shall myself be travelling extensively from 17 October till the date of the meeting.

Yours sincerely,

Paul J. Biron
Officer-in-Charge
Drinking Water Programmes

cc: Americas Section

1979 International Year of the Child

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OTD #6 - October 27, 1980

SOCIAL SCIENCE ANALYSIS FOR WS&S AID ADMINISTRATOR BENNETT PROJECT EVALUATION-PERU

As part of its program of impact evaluation of rural water projects, the Bureau for Program and Policy Coordination (PPC) requested social science expertise on Peru from the WASH Project.

A qualified social scientist was desired to do a document search and data analysis on health, socio-economic, institutional and demographic indicators for the provinces of Ancash and Libertad, Peru. Corresponding information was needed describing the broader characteristics of the Sierra region and the nation.

The consultant would review documents made available by PPC and prepare summary briefs, tables, charts and graphs relating directly to the geographic and topical areas noted above. The information will be submitted in draft form to PPC to be used as background information by the impact evaluation team.

An anthropologist with field experience in Peru, Dr. Charlotte Miller, was used for this OTD. Sixteen work days were authorized of which fifteen were used. The draft report, entitled "Socio-Cultural and Economic Characteristics of Conditions in Ancash and La Libertad, Peru with Special Emphasis on the Callejónes De Huaylas and Conchucos: Questions to be Considered in an Evaluation of Care-Sponsored Water, Sewage and Health Projects" was submitted to PPC in late November 1980. For further information, contact Dr. Isely.

WATER AND SANITATION FOR HEALTH PROJECT

ORDER OF TECHNICAL DIRECTION NUMBER 6

27 October 1980

TO: WASH Contract Project Director, Mr. James Arbuthnot, P.E.

FROM: AID WASH Project Managers
Mr. Manoj K. Batavia, P.E. MB
Mr. Victor W.R. Wehman, Jr., P.E., R.S.

SUBJECT: Provision of Technical Assistance Under WASH Project
Scope of Work for PPC/E in Conjunction with Bennet Evaluation

Ref: A) PPC/E/S Memo from Anamaria Long to Project Managers dated 24 Oct. 1980

1. WASH Contractor requested to provide technical assistance to PPC/E/S group (Ms. Anamaria Long and Mr. Joe Haratani) as per Ref. (A) scope of work (augmented).

2. WASH Contractor/sub-contractor/consultants authorized to expend up to sixteen (16) person days effort over the period 29 Oct. 1980 to 30 Nov. 1980 to accomplish this technical assistance effort.

The total effort allowed to the consultant is up to twelve (12) person days of the total sixteen (16) days. The Contractor should complete below scope of work as early as possible during the period 29 Oct. 80 to 17 Nov. 80.

3. Contractor to provide a draft final report to PPC/E/S (Ms. Long or Mr. Haratani) to be used as background information by the impact evaluation team. No final report is required for WASH file in this case.

4. Contractor to coordinate directly with PPC/E/S (Ms. Anamaria Long and Joe Haratani) Tel. Nos. 632-~~1660~~ 9104 and 632-0215 respectively. All work to occur in U.S. No overseas travel authorized.

5. Suggest Contractor use professional services of the specific qualified social scientist recommended by PPC because of her familiarity with this activity and her working knowledge of Peru. Please expedite activities with Ms. Charlotte Miller (See attached resume).

6. WASH Contractor authorized to allow consultant round trips from her place of residence to State Department Bldg. or Rosslyn Plaza Bldg. as necessary to facilitate work.

7. PPC/E/S should be contacted immediately and technical assistance started on 29 October 1980.

8. Concerning para. 3 of Ref. (A) Contractor needs to find out very early what the "documents" are exactly and "who" is going to make them available. Please obtain this information from PPD/E/S (Ms. Long).

9. Appreciate your prompt attention to this matter. Good luck.

Attachment:
24 October memo from PPC/E/S

UNITED STATES GOVERNMENT

memorandum

DATE: October 24, 1980

REPLY TO ATTN OF: PPC/E/S, Anamaria Long AL

SUBJECT: Request for Professional Services in the field of Water Supply, Sanitation and Health

TO: Vic Wehman, DS/H
Max Batavia, DS/H

As part of the ongoing Bennet impact evaluations of rural water projects, I am requesting the professional services of a qualified social scientist for preliminary data development in preparation of an evaluation of a rural water project in Peru.

The professional services requested require a qualified social scientist to do a document search and data analysis on health, socio-economic, institutional and demographic indicators for the provinces of Ancash and Libertad. Corresponding information is needed describing the broader characteristics of the Sierra region and the nation.

The contractor shall review documents made available and prepare summary briefs, tables, charts and graphs relating directly to the geographic and topical areas noted above. The information will be submitted in draft form to this office, PPC/E/S, to be used as background information by the impact evaluation team.

The services requested is to be provided beginning o/a October 29, 1980 and ending o/a November 17, 1980. The total work is estimated at 10 person days. Every possible effort is to be made by the contractor to complete the task as early in this period as possible.

The contractor must be a degree-qualified social scientist with recent direct field experience in Peru. Experience with A.I.D. programs/projects highly desirable. I am attaching the resume of a qualified candidate for your consideration.

Attachment: A/S

OTD #8 - November 4, 1980

PAN AMERICAN HEALTH ORGANIZATION/CARIBBEAN COMMUNITY WS&S PLANNING MEETING IN BARBADOS

The purpose of this international meeting, sponsored by the Pan American Health Organization and the Caribbean Community, was to discuss: 1) proposed national environmental health activities in the Caribbean to improve programming; 2) the International Drinking Water Supply and Sanitation Decade; and 3) the new AID Water and Sanitation for Health Project (WASH) which began operating in September, 1980. Twenty senior environmental, health project and engineering officers from Caribbean countries and international agencies attended the meeting.

The wide-ranging discussions covered most of the water supply and sanitation spectrum of the Caribbean area with emphasis on accelerating implementation of funded projects being held up by paper work, on the need for technical training, sanitation education for the population, improved water quality control, and up-dated environmental legislation from its 1932 and prior year bases. A significant concern was for the necessity of national commitment for Water Decade goals by the entire cabinet of each country in addition to the Ministry of Health.

A major recommendation was that the concepts, manuals, guidelines and personnel of the Caribbean Basin Water Managements Project be replicated with appropriate modifications elsewhere in the world as a proven methodology to train the personnel so urgently needed for the success of Water Decade Programs.

The presentation of the WASH Project was made by consultant Mr. Charles Pineo, who emphasized that the principles, polices and programs of both the Water Decade and the WASH Project must be explained and emphasized by extensive person-to-person contact if their collective goals are to be reached. Six days were authorized for this OTD and eight were used. For further information, contact Dr. Isely.

OTD #8

Water and Sanitation For Health Project
Order of Technical Direction Number 8

TO: WASH Project Director, Mr. James Arbuthnot, P.E.

FROM: WASH AID Project Officers
Mr. Manoj K. Batavia, P.E. MB
Mr. Victor W.R. Wehman Jr., P.E.,R.S. VWW

SUBJECT: Provision of senior consultant services to participate in PAHO/CARICOM meeting of 12-14 November 1980 in Barbados

1. WASH Contractor is requested to provide expert senior consultant technical assistance services as defined below.

2. Arrange for and transport Mr. Charles S. Pineo (301-530-1726) (representing DS/HEA staff) from New York City, New York o/a the evening of 10 November 1980 to arrive Barbados by 1:00 p.m. on 11 November 1980 with return on Saturday 15 November to Washington, D.C.

3. Contractor requested to make accommodations for Mr. Pineo in a hotel where other PAHO/CARICOM conference participants are staying.

4. Contractor requested to pay all international and local travel and A.I.D. allowed per diem during period 10 November to 15 November 80.

5. Upon arrival in Barbados Mr. Pineo should go to A.I.D. mission to meet with Mr. Mark Laskin and Mr. Alex Sundermann of that mission. They will also be invitees to conference by PAHO.

6. Mr. Pineo should take 100 copies of the WASH brochure (with enabling cable) with him for handouts and discussion at conference and A.I.D. mission. During the course of the week Mr. Pineo should attempt to brief A.I.D. program officer, A.I.D. mission director, A.I.D. deputy mission director, A.I.D. rural development officer and A.I.D. agricultural officer on WASH program and services (leaving a copy of brochure with each of them). Leave 10 copies each of WASH brochures extra with Laskin and Sundermann for future distribution.

TIME OF ARRIV

7. Mr. Pineo should discuss conference and program content and his presentation with Mr. Laskin and Sundermann before attending conference on 11 November 80.

8. While at the conference, Mr. Pineo shall take detailed notes and collect materials to bring back to WASH Coordination and Information Center (CIC). A.I.D. is very interested in proposed national environmental health activities on the Caribbean and proposed strategies for achieving Decade goals.

9. Mr. Pineo authroized up to 66 pounds of additional excess baggage on return from Barbados to Washington to bring back documentation. Suggest any additional poundage be air pouched by Mr. Laskin to DS/HEA (McJunkin).

10. Upon arrival back at Washington recommend that WASH CIC set up a 2-hour debriefing session from 10:00 a.m. to 12:00 a.m. Monday 17 November 80 for Mr. Pineo to debrief WASH staff. Request entire WASH CIC staff to attend and participate.

11. Suggest WASH CIC invite Barbara Sandoval, Charles Mathews and other interested LAC/DR staff to briefing including Barbados desk officers.

12. Suggest WASH Contractor pay salary as approved by SER/CM/COD for total of 4 days of professional salaried services.

13. Suggest Mr. Pineo be notified immediately (530-1726) and travel/accommodations be obtained. Tickets and full advances on per diem and salary should be ready for Mr. Pineo to pick up at WASH CIC at 1230 hours on Friday 7 November 80.

14. Call USAID Mission in Barbados and receive concurrence of travel for Pineo before he goes. Give them a short briefing on reason for his travel. Then let LAC desk officer know by phone of Pineo's consultation for DS/HEA.

Good luck. 632-3405 632-2200 CARIBBEAN

[illegible]

[illegible] at the Rockefeller Resort

[illegible] New York arrangements

DS/HEA/EH:V.Wehman:ja:11/04/80

ok by Max Evick on 11/6/80. Will be an isolated case; not the usual practice. Mike Judge in Boston has been notified.

Do Please for your info
Vic/McJunkin

PAN AMERICAN HEALTH ORGANIZATION
Pan American Sanitary Bureau, Regional Office of the
WORLD HEALTH ORGANIZATION

525 TWENTY-THIRD STREET, N.W., WASHINGTON, D.C. 20037, U.S.A.
CABLE ADDRESS: OFSANPAN
TELEPHONE 861-3200

IN REPLY REFER TO: EHP/49/CAR

October 31, 1980

OK of LAC pay

Mr. John Alden
Office of Health Development
Support Bureau
US Agency for International Development
New State Department Building
Washington, D.C. 20523

Dear Mr. Alden:

The Pan American Health Organization, through the Division of Environmental Health Protection and the PAHO Country Offices, will hold a meeting in Bridgetown, Barbados, from 12 to 14 November 1980. Its purpose is to discuss proposed national environmental health activities in the Caribbean, with an aim to improving country programming in the area. Participants will include PAHO country engineers and national representatives of environmental health programs.

As a principal item on the meeting's agenda, the International Drinking Water Supply and Sanitation Decade will receive special attention. Discussion of that item affords an excellent opportunity to familiarize the participants with the AID-developed Water and Sanitation Health Project-WASH. It would, therefore, be most desirable if senior AID/Washington environmental health engineers could attend the meeting to present both that project and the AID's policies, strategies, and activities in conjunction with the Decade. We are also inviting representatives of the AID mission in Barbados to attend.

I would like to thank you in advance for your consideration of this invitation.

Sincerely yours,

Frank A. Butrico, Chief
Division of Environmental Health
Protection

ENVIRONMENTAL HEALTH PROTECTION

MEETING AGENDA

BRIDGETOWN, BARBADOS

12-14 NOVEMBER 1980

General Objectives

Brief country engineers and nationals on EHP activities and inprove environmental health programs of technical cooperation in the Caribbean.

November 12

09:00-09:10	Welcome by Dr. Mervyn U. Henry, CPC	
09:10-09:20	Clarification of meeting objectives and procedures Basic document: Meeting agenda	Eng. Raymond Reid
09:20-10:45	Environmental Health Protection Program activity: (a) Policies (b) Organization (c) Resources: CEPIS/ECO/Country/HQ/Extrabudgetary (d) Work plan Basic document: (1) EHP Resolutions (2) 1979 Annual Report (3) 1980-83 Work Plan (4) Technical Discussions	
10:45-11:00	Break	
11:00-12:30	EHP Work Plan - Questions and clarification	Eng. Frank A. Butrico Eng. Raymond Reid
02:03:30	International Drinking Water and Sanitation Decade: goals, strategies, activities Basic document: (1) International Drinking Water Supply and Sanitation Decade (IDWSSD) Briefing Document (WHO 27 February) (2) Cooperative action for the IDWSSD background paper	Eng. Guillermo Davila
03:30-03:45	Break	
03:45-05:00	Example of cooperation - GTZ project discussion and clarification	

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November 13

09:00-10:00	Environmental Health programming in the Caribbean area Basic document: (1) Development of water supplies and sanitation in the Caribbean (2) Caribbean EH strategy (3) Caribbean countries AMPES	Eng. Raymond Reid
10:00-10:30	Clarification	
10:30-10:45	Break	
10:45-11:30	Project preparation, financing and institutional development	
11:30-12:15	Discussion and clarification	
02:00-02:30	Manpower Development/Caribbean Basin Water Management	Ned Corfort
02:30-03:30	Manpower Development discussion	
03:30-03:45	Break	
03:45-05:00	Water Quality Control	

November 14

09:00-09:45	Food Sanitation
09:45-10:30	Solid Waste
10:30-10:45	Break
10:45-11:30	Occupational Health
11:30-12:15	Pollution Control/Toxic Substances
02:00-03:15	Information Systems
03:15-03:30	Break
03:30-04:45	Relationship with Caribbean Institutions and Programs
04:45-05:00	Conclusion and Recommendations

OTD #9 - November 7, 1980

RURAL WATER SUPPLY REVIEW - HAITI

AID has supported the CARE and other PVO rural water supply projects in Haiti for several years with good results but with much room for improvement and expansion. The services of the WASH Project Director, James Arbuthnot, were made available to the AID Mission for two weeks to review the existing situation and make suggestions for improvements in WS&S planning, operations, maintenance and training.

Fourteen rural water systems were visited. Significant problems observed included use of PVC pipe in exposed, above ground placements with risk of damage and unauthorized diversion of water (metal pipe would minimize these hazards); lack of proper attention to the drainage requirements of new water fountains with consequent mosquito breeding; and absence of formal provision for system maintenance including training. Equipment, such as portable kits for field testing of water for coliforms, and for laboratories is also needed.

Since a dozen or more PVO's are active in Haiti's water supply and sanitation development, a major recommendation is that WASH support a practical workshop for all local PVO's and others concerned with water supply and sanitation in Haiti. The workshop could be built around case histories of local PVO successes and failures and would provide a basis for better planning, control and training.

A report is available from WASH "Review and AID Rural Potable Water Programs - Haiti." Fourteen days were authorized for this OTD and sixteen were used. For further information, contact Mr. James Arbuthnot.

WATER AND SANITATION FOR HEALTH PROJECT

Order of Technical Direction Number 9

TO: Mr. James Arbuthnot, P.E.
WASH Contract Project Director

FROM: Mr. Max K. Batavia, P.E. MB
Mr. Victor W.R. Wehman, Jr., P.E., R.S.
AID WASH Project Managers

SUBJECT: Provision of Technical Assistance Under WASH Project Scope of Work for USAID/Haiti

REF: (A) Port Au Prince 05379, (B) State 278993

1. WASH Contractor requested to provide technical assistance to USAID/ Port Au Prince.

2. WASH Contractor/sub-subcontractor/consultants authorized to expend up to fourteen (14) person days effort to accomplish this technical assistance effort.

3. Contractor to coordinate directly with USAID/Port Au Prince, probably with program officer or mission engineer. Check with Mr. Charles Mathews, Chief Engineer for LAC for names and numbers of persons in the mission. Make sure Mr. Mathews and Ms. Sandoval, LAC/DR/HN receive information copies of this order.

4. WASH Project Officers recommend that the services of an internationally and nationally recognized expert in rural water supply and sanitation (preferably a sanitary engineer) be procured to perform services as per Ref. A.

5. International travel, local travel and miscellaneous expenses authorized as necessary to carry out services including phone calls or cables.

6. Mission should be contacted immediately and technical assistance initiated as soon as possible.

7. Contractor shall provide draft final report to mission before leaving mission.

8. Thanks for your prompt attention to this matter.

DS/HEA/EH:M.Batavia:ja:(11/7/80)

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Department of State

INCOMING TELEGRAM

PAGE 01 PORT A 05379 290447Z 003785 AID1644

ACTION AID-35

ACTION OFFICE DSHE-01

INFO AALA-01 LAEN-02 LADP-03 LADR-03 PPCE-01 PDPR-01 PPPG-03 PPEA-01 STA-10 PPIA-02 IDCA-01 FM-02 PDC-02 AADS-01 CHGT-02 CTR-02 DSAG-02 DSRD-02 ENGR-02 CHS-01 PVC-02 ES-01 HEW-09 ONS-02 RELO-01 MAST-01 LACA-03 MP-01 /087 A1 1

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R 261930Z OCT 80
FM AMEMBASSY PORT AU PRINCE
TO SECSTATE WASHDC 7985

UNCLAS PORT AU PRINCE 5379

AIDAC

E.O. 12065: N/A

SUBJECT: WASH PROJECT-AVAILABILITY OF ADVISORY SERVICES

ATTN LAC/DR, DS/HEA

REF: STATE 278993

1. USAID PLEASED TO KNOW OF SERVICES OFFERED THROUGH WASH PROJECT AND INTERESTED IN AVAILABILITY OF 3DAYER/IAQ WEK TECHNICAL ASSIUAANCE FROM WASH EXPERT IN RURAL WATER PROJECTS TO HELP IN REVIEW OF ONE PROPOSED AND ONE ON-GOING RURAL WATER SYSTEMS OPG AND TO DISCUSS PROGRAM OPTIONS IN THE RURAL WATER AREA.

2. CARE/HAITI HAS IMPLEMENTED TWO COMMUNITY WATER SYSTEMS PROJECTS IN NORTHWEST HAITI WITH OPG FINANCING FROM USAID. THESE PROJECTS HAVE CONSISTED PRIMARILY OF CAPPING SPRINGS AND DISTRIBUTING WATER TO SMALL RURAL COMMUNITIES: USAID IS NOW CONSIDERING A PHASE III PROJECT, ENTITLED COMMUNITY WATER SYSTEMS AND SMALL FARMER IRRIGATION, (521-0147) FOR APPROVAL IN DECEMBER 1980. THE PROPOSED PROJECT WOULD FINANCE THE CONSTRUCTION OF FIVE WATER SYSTEMS THROUGH CAPPING OF SPRINGS AND CONSTRUCTING DISTRIBUTION SYSTEMS IN COMMUNITIES WITH POPULATIONS OF 4,000 TO 7,000. THE PROJECT WOULD ALSO CONSTRUCT THREE SMALL IRRIGATION SYSTEMS IN THE SAME AREA OF THE COUNTRY.

3. USAID HAS AN ON-GOING OPG WITH A CONSORTIUM OF PVOS LED BY COMPASSION, INTERNATIONAL TO CONSTRUCT POTABLE WATER SYSTEMS ON LA GONAVE ISLAND, BOTH THROUGH SPRING CAPPING AND WELL-DRILLING (PROJECT 521-0101). THIS PROJECT HAS EXPERIENCED SOME DELAYS, BUT IMPLEMENTATION IS EXPECTED TO ACCELERATE WITH THE RECENT PROCUREMENT OF A WELL-DRILLING RIG UNDER THE PROJECT.

4. USAID ALSO PROVIDES GRANTS TO COMMUNITY GROUPS FOR WATER PROJECTS UNDER ITS SPEICAL DEVELOPMENT ACTIVITIES PROJECT 0062.

5. IN ADDITION TO THESE PROJECTS, USAID IS INTERESTED IN EXPLORING THE POSSIBILITIES FOR OTHER ACTIVITIES RELATED TO RURAL WATER SUPPLY. AVAILABILITY OF WATER IS A CRITICAL CONSTRAINT TO IMPROVING LIVING CONDITIONS IN MUCH OF RURAL HAITI.
IDB HAS RECENTLY MADE SIZEABLE LOAN TO GOH MINISTRY OF HEALTH FOR SMALL RURAL WATER SYSTEMS, AND OTHER DONORS ARE ALSO ACTIVE IN WATER SUPPLY PROJECTS, SO USAID PLANS AND PROGRAMS MUST TAKE INTO ACCOUNT THEIR ACTIVI[illegible] WELL AS BUDGET CONSTRAINTS OF USAID. WASH BOTH FOR SPECIFIC REVIEW OF CARE PROJECT PROPOSAL [illegible] MORE GENERAL REVIEW OF USAID WATER SYSTEM PROGRAM

PORT A 05379 290447Z 003785 A

6 GIVEN NEED TO AUTHORIZE CARE OPG BY DECEMBER, WOULD APPRECIATE KNOWING IF SUITABLE ASSISTANCE CAN BE PROVIDED ASAP. PLEASE ADVISE.
WINELMAN

Bataille
Walker

with December need. Suggest 2 weeks from 1 on engi

Need French speaker if available
Dennis Gill
Joe Lanoix
Pierre Leger
Ray Isaby
Dick Brooks
Dennis Warner
Pat Kelly?
Doug Hudgins

also suggest contact Roy, Haitian [illegible] exp. w/ PVOs [illegible] consultant

OP. HYCH CI OCT 30 13 [illegible]

H/AI

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Position 32 T

OTD #14 - December 11, 1980

PERI-URBAN AND RURAL WATER SUPPLY AND SANITATION
PROGRAM REVIEW AND PROJECT DEVELOPMENT - ECUADOR

This task for USAID/Ecuador has two distinct parts--peri-urban and rural. The peri-urban review and assessment involves working with an Ecuadorian private volunteer organization (Fundacion Natura) and local municipal sewerage companies in Quito, Guayaquil and other cities. The work includes analyzing environmental sanitation and sewerage problems, plans and constraints, suggesting alternative strategies, identifying high priority projects, and making over-all recommendations. Contraints of concern are high-cost inappropriate technologies, lack of trained manpower and funding, and absence of policy direction.

The technical analysis in selected rural towns is of integrated approaches that include low-cost housing, water, sewerage and related infrastructure, social services and employment generation/training activities. This task, which is currently underway and will take about six weeks, has provided AID with a unique opportunity for on-the-job training: under the experienced guidance of Mr. Charles Pineo, a young, U.S. educated sanitary engineer will gain hands-on exposure to developing country situations by assisting in data collection, interviewing and drafting reports. While developing countries have shortages of trained water supply and sanitation personnel, developed countries like the United States have a shortage of professionals who are qualified by field experience to be effective in developing countries. The WASH Project is an effective mechanism for the United States and AID to increase the supply of water supply and sanitation professionals experienced in developing country work. Thirty-five days were authorized and forty-six were used. For further information, contact Mr. James Arbuthnot.

WATER AND SANITATION FOR HEALTH PROJECT
Order of Technical Direction Number 14

December 11, 1980

TO: Mr. James Arbuthnot, P.E.
WASH Contract Project Director

FROM: Mr. Max K. Batavia, P.E. MKB
Mr. Victor W.R. Wehman, Jr., P.E., R.S. VWW
AID WASH Project Managers

SUBJECT: Provision of Technical Assistance Under WASH Project for USAID/Ecaudor

REF: Quito 07796

1. WASH Contractor to provide technical assistance to USAID/Quito on two different assignments

Assignment No. 1: - Refer to Para. 1. A of cable--Environmental Pollution and Sewerage Specialist.

a. WASH contractor/subcontractor/consultants authorized to expend up to 35 person days effort to accomplish the scope of work described in above referenced cable.

b. Contractor to coordinate directly with USAID/Quito, with Dr. Ken Farr, Health Officer and Mr. Pat Maldonado (Program Officer)-primary responsibility. Please keep Regional Bureau informed. (C. Mathews, Bob Otto, and Health Officer)

c. International travel, local travel and miscellaneous expenses authorized as necessary to carry out services including phone calls or cables.

d. Work to begin o/a Jan. 3, 1981 to o/a Feb. 7, 1981. Suggest contacting mission as soon as possible.

e. Contractor shall provide draft final report to mission before leaving mission and final report as per contract.

Assignment No. 2: - Refer to Paragraph c. of above referenced cable

a. WASH contractor/subcontractor/consultants authorized to expend up to 66 person days effort to accomplish following scope of work (the cable indicates 4 months TA- this was reduced to 35 person days after Project Officers' discussions with Ken Farr). Consultant authorized to spend up to 35 days TDY in country.

Contractor authorized and requested to send a competent, young sanitary/environmental engineer to function in an apprentice-type role and Aide to Mr. Pineo while in country. Apprentice will arrive one week after Mr. Pineo arrives and depart 3 or 4 days before Mr. Pineo leaves, i.e., approximately 25 days in Ecuador. WASH contractor will not charge LAC or Ecuador with apprenticeship time expended. This aspect of the OTD will be

apprentice 25
Pineo 25+7+3 = 35
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charged against DS/HEA inter-bureau development requests. It would be useful for apprentice engineer to speak Spanish at least at a S-2, R-2 level.

Scope of Work:

1. To prepare a report regarding the Reorganization of IEOS and strengthening the Rural Water Supply and Sanitation Division of IEOS.

2. To identify more accurately the TA time required during the actual implementation of the 'Rural Health and Potable Water Project'

a. Contact Ken Farr in USAID/Quito for further details.

b. Coordinate directly with Ken Farr. Keep Regional Bureau informed. (both engineer and health officers).

c. International travel, local travel and miscellaneous expenses authorized as necessary to carry out services including phone calls or cables.

d. Work to begin o/a February 1, 1981 to March 5, 1981. Suggest contacting mission ASAP.

e. Contractor shall provide draft final report to mission before leaving mission and final report as per contract.

f. Suggest WASH contractor consider services of Mr. Charles S. Pineo who already has in-depth knowledge of IEOS, knowledge of personalities involved and knowledge of IEOS field WS&S program as a result of conceptualization mission with Mr. Wehman in Ecuador in March-April 1980.

g. Contractor authorized to work 7 day work-week at various times in country if periodically necessary to accomplish mission.

Received 12 Dec 1980

DS/HEA:Batavia:Wehman:12/11/80

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PAGE 01 QUITO 07796 102013Z 017232 AID8899
ACTION AID-20

ACTION OFFICE LAOR-03
INFO LASA-03 LADP-03 .H6-01 PPCE-01 PDPR-01 PPEA-01 PPIA-02
FM-02 AADS-01 SHE-01 ENGR-02 CH8-01 HEV-09 OMB-02
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AID ADM

FOR LAC/DR (R. O'ITO, B. SANDOVAL) AND DSB/HEA

E.O. 12065: N/A
SUBJECT: WASH PROJECT ASSISTANCE

REF: STATE 277,993

1. USAID/ECUADOR IS INTERESTED IN THE FOLLOWING TYPES OF ASSISTANCE UNDER THE WASH PROJECT:
A. ENVIRONMENTAL POLLUTION AND SEWERAGE SPECIALIST: ONE MONTH OF SERVICES OF A SPNAISH-SPEAKING SPECIALIST TO ASSESS SANITATION CONDITIONS IN LOW INCOME SLUM (FRINGE) AREAS OF QUITO, GUAYAQUIL AND SELECTED SECONDARY CITIES. SPECIALIST WILL PREPARE A REPORT THAT WILL FORM A PART OF AN OVERALL ASSESSMENT OF ECUADOR'S ENVIRONMENTAL PROBLEMS AND THEIR IMPACT ON THE RURAL AND URBAN POOR. ASSESSMENT IS BEING CONDUCTED BY THE FUNDACION NATURA (AN ECUADOREAN PVO CURRENTLY UNDERTAKING A PUBLIC ENVIRONMENTAL EDUCATION PROGRAM). CONSULTANT WILL WORK WITH SPECIALISTS FROM NATURA, IEOS AND LOCAL MUNICIPAL SEWERAGE COMPANIES. SCOPE OF WORK FOLLOWS BELOW:
I. IDENTIFY AND ANALYZE ENVIRONMENTAL SANITATION AND SEWERAGE PROBLEMS IN LOW INCOME FRINGE AREAS OF ECUADOR AND ASSESS CAPACITY OF LOCAL SEWERAGE COMPANIES TO DEAL WITH THESE PROBLEMS.
II. REVIEW AND ASSESS ECUADOREAN ENVIRONMENTAL SANITATION PLANS FOR LOW INCOME FRINGE AREAS AND ASSISTANCE BEING PROVIDED BY OTHER DONORS.
III. DEFINE AND ANALYZE THE CONSTRAINTS TO DEALING WITH THE ENVIRONMENTAL SANITATION/POLLUTION PROBLEMS IN LOW INCOME FRINGE AREAS (E.G. LACK OF ADEQUATE POLICIES OR TRAINED MANPOWER, HIGH COST TECHNOLGY INAPPROPRIATE TO LOCAL CONDITIONS, LACK OF FUNDING ETC.).
IV. SUGGEST ALTERNATIV STRATEGIES AND ACTIONS FOR OVERCOMING PROBLEMS AND CONSTRAINTS.
V. IDENTIFY HIGH PRIORITY PROJECTS FOR OVERCOMING POLLUTION AND ENVIRONMENTAL SANITATION PROBLEMS IN LOW INCOME FRINGE AREAS.
VI. MAKE RECOMMENDATIONS ON ECUADOR'S POLLUTION PROBLEMS AND DISCUSSS HOW OTHER LDCS ARE ADDRESSING SIMILAR PROBLEMS.
ENVIRONMENTAL POLLUTION AND SANITATION SPECIALIST SHOULD BE SPANISH-SPEAKING AND BE ABLE TO INTERACT WELL WITH A GROUP OF YOUNG ENVIRONMENTAL SPECIALISTS ORGANIZED BY FUNDACION NATURA. SPECIALISTS SHOULD HAVE PREVIOUS LATIN AMERICAN EXPERIENCE ASSESSING ENVIRONMENTAL IMPACTS OF SEWERAGE AND POLLUTION PROBLEMS IN LOW INCOME FRINGS AREAS. WORK SHOULD BEGIN O/A JANUARY 5 TO O/A FEBRUARY 7. FINAL REPORT SHOULD BE PRESENTED IN SPANISH NLT FEBRUARY 20 SO THAT RESULTS CAN BE INCORPORATED INTO OVERALL ECUADOR ENVIRONMENTAL ASSESSMENT. (FYI: ASSESSMENT IS FOCUSING ON PROBLEMS SUCH AS DEFORESTATION, SOIL EROSION, DESERTIFICATION. ECUADOREAN ASSESSMENT TEAM REQUIRES A SPECIALIST IN SANITATION/POLLUTION TO FILL GAPS RECENTLY IDENTIFIED.) PLEASE ADVISE ASAP ON AVAILABILITY OF CONSULTANT SO THAT NATURA CAN MAKE FINAL ARRANGEMENTS FOR COMPLETING ASSESSMENT.
B. TECHNICAL ANALYSIS OF WATER AND SEWERAGE PROJECTS IN SELECTED RURAL TOWNS: PROJECT WILL INVOLVE INTEGRATED APPROACH TO PROVIDING LOW COST HOUSING, WATER, SEWERAGE AND RELATED INFRASTRUCTURE, SOCIAL SERVICES AND EMPLOYMENT GENERATION/TRAINING ACTIVITIES. WOULD LIKE TWO SPECIALISTS (ONE IN SEWERAGE AND ONE IN POTABLE WATER) TO ASSESS WATER SEWEVERA PLANS IN SELECTED RURAL/MARKET TOWNS AND DETERMINE HOW PROJECT MIGHT BE ABLE TO SUPPORT LOW COST AND MORE APPROPRIATE TECHNICAL APPRACHES FOR THIS PROJECT. APPROXIMATE TIMING MARCH-APRIL FOR SIX WEEKS. MORE DETAILED SCOPE OF WORK WILL FOLLOW WITH SPECIFIC TIMING.
C. ASSISTANCE FOR RURAL HEALTH AND POTABLE WATER PROJECT: PID FOR THIS PROJECT BEING SUBMITTED TO AID/W IN NOVEMBER 1980 AND IT PROPOSES SOME 24 PERSON MONTHS OF TECHNICAL ASSISTANCE TO BE FUNDED BY THE WASH PROJECT. THIS TA WILL FOCUS ON THE FOLLOWING AREAS, AS RECOMMNDED BY WEHMAN OF DS/HEALTH: TECHNOLOGY ASSESSMENT; ORGANIZATION OF A RURAL WS/S UNIT WITHIN IEOS, DEVELOPMENT OF TASK AND PERFORMANCE OREINTED TRAINING MODULES AND MATERIALS FOR SANITARY INSPECTORS, PROMOTERS, ETC; AND TA TO ASSIST WITH IMPLEMENTATION OF RURAL FIELD ACTIVITIES AND INSTITUTIONAL DEVELOPMENT OF IEOS. MORE SPECIFIC SCOPES OF WORK WILL BE OUTLINED DURING PP DEVELOPMENT. IN RELATION TO THE RURAL HEATH PROJECT DEVELOPMENT, MISSION HAS GRANTED IEOS $44,038 FOR EVALUATION OF PAST RURAL WATER SANITATION PROJECTS AND TO DESIGN AND TEST NEW TECHNOLOGIES. SOME 4 MONTHS OF TA FUNDED BY WASH PROJECT IS REQUIRED TO COMPLEMENT THIS GRANT, AND HAS BEEN PREVIOUSLY REQUESTED BY THE MISSION. AS YET NO RESPONSE RECEIVED FROM AID/W ON THIS REQUEST.

2. PLEASE ADVISE ASAP WHETHER USAID/ECUADOR CAN EXPECT TO RECEIVE ABOVE ASSISTANCE.
GONZALEZ

McFarlane
Wehman
Batavia

Let's Discuss
Jim
12 Nov 80

Best Available Documents

UNCLASSIFIED

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OTD #17 - December 23, 1980

REVIEW OF APPROPRIATE WATER SUPPLY TECHNOLOGIES, IMPLEMENTATION PLANNING, LOCAL MANUFACTURING AND TRAINING - EL SALVADOR

This OTD is to provide support for one component of a larger potable water supply and sanitation project in El Salvador. One week of WASH consulting services was requested to provide guidance in: 1) field investigations to select sites; 2) review and selection of appropriate technologies; 3) development of manuals describing installation, operation, and maintenance of the technologies; and 4) training in same.

Technologies to be considered for use in five to ten localities include: solar, wind, or hydraulic energized pumps; storage tanks; homemade filters; utilization of rain water through dams or cisterns; and disinfecting systems. The technologies should be easily operated and maintained, low cost, durable, and appropriate to the locality.

The WASH Project manager, in the Office of Health, realized that it was difficult, if not impossible, to find one person having the necessary knowledge and skills and suggested that two people be used. One would be an internationally experienced rural water supply and sanitation engineer and the other would be well versed in the practices of appropriate technology adaptation, implantation, manufacturing and marketing. The mission concurred and the WASH Project was prepared to send qualified people to El Salvador when the political situation shifted. The Mission requested that technical assistance support be temporarily postponed. Twenty days were authorized; ten were used. For further information, contact Mr. Dennis Warner.

DRAFT

WATER AND SANITATION FOR HEALTH PROJECT

ORDER OF TECHNICAL DIRECTION NUMBER 17

December 23, 1980

TO: WASH Contract Project Director
Mr. James Arbuthnot, P.E.

FROM: AID WASH Project Managers
Mr. Manoj K. Batavia, P.E.
Mr. Victor W. R. Wehman, Jr., P.E., R.S.

AIDAC:

SUBJECT: Provision of Technical Assistance Under Wash Project Scope of Work for USAID/San Salvador

REFERENCES: A) State 278993
B) San Salvador 08600
C) Rural Water Supply and Sanitation Project Paper #519-0209

1. WASH Contractor requested to provide technical assistance to USAID/San Salvador as per ref (b) scope of work (augmented).

2. WASH Contractor/sub contractor/consultants authorized to expend up to twenty (20) person days effort over the period 1-30 January 1981 to accomplish this technical assistance effort.

3. Recommend that contractor provide two (2) persons to mission for consultancy instead of the one requested. One person to be an internationally experienced rural water supply and sanitation sanitary engineer and one person to be an internationally experienced, operationally experienced, low cost, appropriate technology (local manufacturing and marketing) specialist (suggest Mr. Phil Potts at Georgia Tech (404-894-3851).

4. Contractor personnel to coordinate extensively with DS/HEA (Wehman and Batavia) on choosing topics for discussion with mission and prepare extensively before arriving San Salvador.

5. Contractor personnel to arrive San Salvador on 11 Jan and leave 17 Jan.

6. Contractor to provide draft discussion/recommendations document to mission before leaving mission. Final report due mission and DS/HEA within 30 days of leaving mission.

7. Contractor to coordinate directly with USAID/San Salvador, probably with health, engineering and program officers. Insure health officer and engineering officer in LAC/DR are informed on activity (Ms. Brinneman and Mr. Jay Anderson at 632-9486 and Mr. Mathews at 632-9488). Insure El Salvador AID desk officer (Marilyn Arnold - 632-5221) informed. Contractor must contact mission, provide itinerary and receive mission clearance before any contractor personnel enter San Salvador. Country clearance can be obtained by phone or cable but specific ETA is required.

5. Contractor personnel to arrive San Salvador on 11 Jan and leave 17 Jan.

6. Contractor to provide draft discussion/recommendations document to mission before leaving mission. Final report due mission and DS/HEA within 30 days of leaving mission.

7. Contractor to coordinate directly with USAID/San Salvador, probably with health, engineering and program officers. Insure health officer and engineering officer in LAC/DR are informed on activity (Ms. Brinneman and Mr. Jay Anderson at 632-9486 and Mr. Mathews at 632-9488). Insure El Salvador AID desk officer (Marilyn Arnold-632-5221) informed. Contractor must contact mission, provide itinerary and receive mission clearance before any contractor personnel enter San Salvador. Country clearance can be obtained by phone or cable but specific ETA is required.

8. Contractor is authorized and should be prepared to hire local translator if necessary and to provide for car rental if necessary.

9. Recommend team members brief with DS/HEA Wehman in Washington before going and debrief in Washington with LAC/DR and LAC desk personnel at WASH upon return.

10. Mission should be contacted immediately and technical assistance initiated as per their needs and timing desires.

11. Appreciate your prompt attention to this matter. Gook luck.

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PAGE 01 SAN SA 08600 092140Z 036569 AID9716
ACTION AID-35

ACTION OFFICE DSHE-01
INFO LACE-03 LADR-03 PPCE-01 PDPR-01 PPPB-03 PPEA-01 AADS-01
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DS/HEA FOR WASH INFORMATION CENTER

E.O. 12065: NA
SUBJ: TA POTABLE WATER SUPPLY AND SANITATION PROJECT NO 519-0209

REF STATE 278993

1. MISSION REQUESTS [redacted] ONE PERSON WEEK INITIAL CONSULTATION ON LOCAL RURAL POTABLE WATER PROJECT NO. 519-0209 THROUGH WATER AND SANITATION FOR HEALTH PROJECT [redacted] JAN 11 16.

2. COMPOMSNT NUMBER FOUR OF THIS PROJECT CALLS FOR THE SELECTION, DESIGN, AND IMPLEMENTATION OF NEW APPROPRIATE TECHNOLOGIES IN 5 TO 10 LOCALITIES SUCH AS: SOLAR, WIND, OR HYDRAULIC ENERGIZED PUMPS; STORAGE TANKS; SIMPLIFIED POTABILITY UNITS; HOMEMADE FILTERS; UTILIZATION OF RAIN WATER THROUGH DAMS OR CISTERNS, AND DISINFECTING SYSTEMS.
THE TECHNOLOGIES SHOULD BE: EASILY OPERATED AND MAINTAINED, VOW COST, DURABLE, AND APPROPRIATE TO THE LOCALITY. ACTIVITIEYK UNDER THIS COMPONENT ARE: 1) FIELD INVESTIGATIONS TO SELECT SITES; 2) REVIEW AND SELEDTION OF APPROPRIATE TECHNOLOGIES; 3) DEVELOPMENT OF MANUAL DESCRIBLING INSTALLATION, OPERATION, AND MAINTENANCE OF THE TECHNOLOGIES, AND 4) TRAINING IN SAME.

3. DURING INITIAL WEEK CONSULTATION IN JANUARY, MISSSION REQUESTS SERVICES OF [redacted] SPANISH SPEAKING EXPERT KNOWLEDTEABLE ABOUT NEW APPROPRIATE TECHNOLOGIES IN USE ON WORLDWIDE
XASIS TO CONSULT
WITH LOCAL PROJECT STAFF AND ASSCGA N THE PREPARATION OF PLANS FOR IMPLEMENTING THIS COMPONENT AND SCOPE OF WORK FOR FOLLOW-ON TA.
WHITE

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Tony / Please schedule
Thanks

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OTD #18 - December 24, 1980

WS&S IMPLEMENTATION PLAN DESIGN FOR RURAL WATER PROJECT - PERU

The purpose of this AID Project in Peru is to provide potable water systems, latrines and health education to 420 communities of about 500 inhabitants each in selected regions of the sierra and high jungle over a five year period. The eight million dollar project (five million from AID) will integrate these activities into the primary health programs of those communities and simultaneously strengthen the administrative and technical capacity of the Peruvian Regional Health Offices involved in the project.

As the Directorate of Sanitary Engineering of the Peruvian Ministry of Health was experiencing difficulties in getting the Project moving, the AID Mission requested the WASH Project to provide a highly qualified professional, Mr. Harold Shipman, to expedite matters and give general guidance for the Project for 40 days over a two month period beginning January 1981.

After one week's discussion and review of the Project with AID and Peruvian officials, the WASH consultant left a list of suggestions and recommended revision of the implementation plan, procedures and schedules. His review included observations that the price of locally produced PVC (polyvinyl chloride) plastic pipe and fittings might be higher than imported pipe, and that the foundry industry in Peru could probably manufacture hand pumps, an AID supported activity underway in several other developing countries.

Follow-up support by the WASH consultant and other specialists will continue after the Directorate of Sanitary Engineering has carried out the first round of implementaton recommendations. Thirteen days have been used so far on this OTD. For further information, contact Mr. James Arbuthnot.

WATER AND SANITATION FOR HEALTH PROJECT
Order of Technical Direction Number 18

December 24, 1980

TO: Mr. James Arbuthnot, P.E.
WASH Contract Project Director

FROM: Mr. Max K. Batavia, P.E. MKB
Mr. Victor W.R. Wehman, Jr., P.E., R.S. VWW
AID WASH Project Managers

SUBJECT: Provision of Technical Assistance under WASH Project
Scope of Work for USAID/Peru

REFERENCES: A- State 278993
B- Lima 11243
C- Rural Water Systems and Environmental Sanitation Project Paper 527-0221, Loan #527-U-074

1. WASH contractor requested to provide technical assistance to USAID/Peru as per Reference B and Reference C scope of work (modified).

2. WASH contractor/subcontractor/consultant authorized to expend up to fourty (40) person days of effort over a two (2) month period to accomplish this technical assistance effort. Contractor effort may involve several different consultants as necessary to accomplish mission's needs. DS/HEA will consider an amendment in terms of scope or man days as the technical assistance effort is better defined.

3. Contractor to provide draft final report to mission (developed by principal technical assistance officer for effort) upon termination of consulting services to mission. Final report due mission within thirty days of last consultant's visits.

4. Contractor to coordinate directly with USAID/Peru, Lima, probably with Health Officer, Engineering Officer and Human Resources Development Officer. Check with Ms. Elena Brinnerman (LAC/DR/HN-632-9486) and Mr. Charles Mathews (LAC/DR/ENG-632-9488) for information coordination in Washington. Contact LAC/Peru desk officer, Mr. William Rhodes (632-2718) to inform him of any projected travel of WASH personnel into Peru.

5. All WASH personnel must provide detailed ETA's of arrival in Peru with expected length of stay and obtain country clearance for travel by mission representative. This can be accomplished by phone or cable.

6. Since WASH contractor will be working on detailed implementation/ financial/economic plans for project with Directorate of Sanitary Engineering (DSE) in Ministry of Health (MOH), contractor personnel must have professional level Spanish fluency (reading, writing and speaking).

7. Before WASH contractor acquires specific consultant personnel, responsible WASH project officer should thoroughly study Peru project paper and discuss recommended approach with DS/HEA (Wehman). Preliminarily, it appears that initial coordination phone calls and an initial visit to USAID/MOH/DSE by one person for a week, to determine exact scope of work and technical assistance needs may be in order. Recommended initial visit be made by an international experienced, rural water supply and sanitation, Sanitary Engineer with fluency in Spanish.

8. WASH contractor authorized to make up to four round trips for consultants to his/her home base as appropriate during the technical assistance (TA) effort. All personnel used on TA effort should be thoroughly briefed by WASH, DS/HEA and Regional Bureau personnel as appropriate before going to Peru. Upon termination of TA effort, principal TA officer should come to Washington to give debriefing to interested bureaus.

9. Mission should be contacted immediately and technical assistance initiated in early January (before tenth) or as convenient to mission/GOP.

10. DS/HEA WASH project officers have cabled mission notifying them of WASH technical assistance availability. Obtain copy of this cable from AID WASH project officers. Suggest WASH contractor immediately call health officer in mission or program officer alerting them that technical assistance has been approved and orient her to the technical assistance approach.

11. WASH contractor authorized presently up to thirty-five (35) person days of international per diem miscellaneous expenses.

12. Provide a copy of order of technical direction to personnel identified in Paragraph 4 above.

13. Appreciate your prompt attention to this matter. Good luck.

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PAGE 01 LIMA 11243 130155Z 038504 AID2406
ACTION AID-35

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AIDAC

EO 12065: N/A
SUBJ: TA FOR RURAL WATER SYSTEMS AND ENVIRONMENTAL SANITATION LOAN; PROJECT 527-U-074

REF: STATE 278993

1. IN ORDER TO ASSURE ADEQUATE INITIAL PLANNING OF SUBJECT PROJECT MISSION REQUESTS INTER-DISCIPLINARY WATER AND SANITATION FOR HEALTH (WASH) PROJECT PROVIDE TECHNICAL ASSISTANCE TO THE DIRECTORATE OF SANITARY ENGINEERING (DSE) FOR THE DEVELOPMENT OF THE PROJECT IMPLEMENTATION PLAN AND RELATED FINANCIAL AND COMMODITY PROCUREMENT PLANS.

2. THIS TYPE OF ASSISTANCE IS LISTED UNDER SCOPE OF WORK FOR GENERAL TECHNICAL ASSISTANCE SERVICE, ITEMS 4 AND 18 OF THE BROCHURE MENTIONED IN REFTEL.

3. TA WILL BE NEEDED IN EARLY JANUARY FOR APPROX. SIX WEEKS.

4. REQUEST INFORMATION ON HOW WASH PROPOSES TO ADDRESS THIS TA REQUEST BE FORWARDED TO MISSION ASAP.
CORR

OTD #19 January 14, 1981

Food Wastage Project: Expert Panel Review
- Central America

The purpose of the OTD is to coordinate the development of a comprehensive, in-depth review of the Food Wastage/ Sanitation Cost-Benefit Methodology Project carried on from 1972-1976 by the University of North Carolina at Chapel Hill and the Institute of Nutrition of Central America and Panama (INCAP). Many questions have been raised about the validity of the conclusions drawn from this project. Apparently the conclusions have been used by the detractors of U.S. investments in water and sanitation to argue for less budget. At base the hypothetical underpinnings, the research design, and the statistical inferences, as well as other methodological aspects of the project, may be faulty.

The method of assessment used was to assemble a blue-ribbon review panel composed of outstanding persons in relevant disciplines and to oversee the work of this panel towards a resolution of the question of just what this project says for policy, if anything. The work of this panel included a review of documents and two meetings.

Up to 80 person days over a five month period are authorized. The first panel review meeting was held February 9-10, 1981, at the WASH Coordination and Information Center and the second May 18-19, 1981. A final report will appear soon.

For further information, contact Dr. Isely.

JEB/WASH/CIC
5/26/81

January 14, 1981

WATER AND SANITATION FOR HEALTH PROJECT
Order of Technical Direction Number 19

TO: Mr. James Arbuthnot, P.E.
WASH Contract Project Director

FROM: Mr. Max K. Batavia, P.E. MB
Mr. Victor W.R. Wehman, Jr., P.E., R.S. VWW
AID WASH Project Managers

SUBJECT: Provision of an Expert Panel under WASH Project Scope of Work to Review Guatemala Water and Sanitation/Food Wastage Cost Benefit Methodology Project

REFS:
A) Memorandum 17 November, 1980 - Isely to Batavia and Wehman

B) Previous correspondence involving Howard, Dworkin, Shiffman, Hughes, and others.

C) UNC-INCAP Project Report

D) Guatemala Revisited-Dworkin PPC document

E) Memo McJunkin/Levin on Food Wastage Review and External Evaluation

F) Chanlett and Kawata Final Report Reviews

1. WASH Contractor requested to provide the services of an expert review panel as per scope of work found below.

2. WASH Contractor/subcontractor/consultants authorized to expend up to 80 person days effort over a five (5) month period to accomplish this effort.

3. Contractor to provide a final report by the end of the 5th month of effort.

4. Contractor to coordinate arrangements with AID WASH Project Managers.

5. WASH Contractor should form a panel of five core members plus three consultants to provide as-needed services. The panel members should have expertise and exhibit skills in research experimental design applied to water supply and sanitation in relation to enteric disease in children, and to nutritional impacts on enteric infections, epidemiology as applied to these same problems, and relevant biostatistical analytic and sampling methods. Consultants will supplement the panel with as needed skills and knowledge in sanitary engineering, social anthropology, and economics if as requested by panel and approved by AID WASH Project Managers. WASH Contractor/subcontractor will provide staffing for coordinating the panel activities.

6. WASH Contractor authorized to allow panelists and/or consultants to make up to three (3) trips to Washington for panel meetings, one trip if requested by panel members to Chapel Hill, N.C. to meet with UNC staff and one round trip, if necessary, for 3 of the panelists/ consultants to Guatemala to meet with INCAP personnel to visit communities involved in research design, and other relevant persons. WASH Contractor is authorized to pay salary, travel, per diem and miscellaneous expenses to consultants and UNC project research staff to attend panel meetings if requested and approved by the panel chairman.

7. WASH Contractor to coordinate tasks as follows:

   a. Send packet of all relevant project documents, reports, published articles and correspondence to core panel members and consultants with suggested sections of field reports for individuals.

   b. Ask them to thoroughly read and study pertinent documents and be especially prepared to respond to or lead discussions on project in their areas of expertise.

   c. Convene panel (5 persons) approximately 4 weeks after sending out materials. The project coordinator will serve as the temporary panel chairman until the panel meets and elects their own chairman. At or before the first panel meeting a premanent panel chairman should be selected by the panel members and a course of action charted. Activities should be planned so as to answer the fundamental question:

      "From the data collected by the subject study, what bona fide conclusions(s), if any, can be supported regarding the impact of improved water supply, sanitation and health education (individually or jointly) on diarrheal morbidity. (A corollary question is: Was each intervention really an improvement?) If these questions can be satisfactorily answered after the first meeting of the panel, then no further activities of the panel will be necessary except development of a draft and final panel report. If not, then the panel is asked to recommend activities to resolve this (these) question(s)."

   d. In concert with and with approval of the AID project officer, the contractor will authorize additional activities, if any, as requested by the panel for resources to accomplish their work.

   e. Subsequent activities of the panel will depend upon decisions made at its initial panel meeting at WASH in Arlington, Va. Among operational issues to be decided are:

      (1) Whether to interview relevant persons regarding the conduct of the study and subsequent analyses of data, e.g., Dr. Shiffman, Dr. Dworkin, Dr. Turner, Dr. Helms, et al.

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(2) Whether to do any re-analysis of data

(3) Whether a trip to Guatemala is necessary in the panel's opinion or not.

(4) What roles and responsibilities the panel is going to assign to panel members and consultants.

(5) What further meetings are necessary by the panel, if any.

f. The panel chairman will keep the panel coordinator and WASH task manager (Dr. Isely) fully informed of problems, progress, resource requirements, etc.

g. When panel activities have been completed, prepare a final draft report and then after the draft is reviewed by DS/HEA, a final report is due within 30 days.

h. A panel agenda and report will be prepared for each meeting. The panel chairman will be responsible for editorial accuracy of the report. The WASH contractor will provide typing, reproduction and distribution services. The report will not be distributed prior to review by the panel, WASH and DS/HEA. The panel, at its discretion, may also seek reviews from relevant AID/PPC and UNC-INCAP personnel.

8. Suggest WASH Contractor utilize following panel voting members and consultants.

A. Lincoln Chen, Harvard, physician, epidemologist, nutritionist (member)

B. Branko, Cvjetanovic, Zagreb, Yugoslavia, physician, epidemiologist, specialist in enteric infections (member).

C. Alan, Gittelsohn, Johns-Hopkins Univ., biostatistician (member)

D. John Kronmal, Univ. of Washington, biostatistician, nutritionist, gastroenterologist (member)

E. Robert Suskind, Univ. of Alabama, pediatrician, nutritionist, gastroenterologist (member)

F. Mary Elmendorf, self-employed, anthropologist (consultant)

G. Kaz Kawata, Johns-Hopkins Univ., Sanitary/Environmental Engr.(consultant)

H. Abraham, Bekele, self-employed, health economist (consultant) or

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Rafat Barokas, self-employed, development economist (consultant)

I. Robert Struba, RTI, epidemiologist, panel coordinator,(non-member/ coordinator of effort)

9. WASH Contractor requested to initiate activity immediately and keep AID WASH project officer informed of progress. WASH task manager requested to keep up to date bi-weekly summary of level of effort expenditures taking place under this OTD. Good luck.

OTD #21 - January 26, 1981

WATER-SEAL LATRINE AND WATER STORAGE/TREATMENT DESIGN ANALYSIS - DOMINICAN REPUBLIC

Under Health Sector Loan II, AID is investigating supplying 26,500 homes with water-seal latrines and household water storage and filtering equipment. The Mission requested technical assistance in: 1) designing and carrying out evaluation plans for Health Sector Loan II; 2) providing information on water-seal latrines; 3) preparing specifications for household water containers and water treatment; and 4) designing health education materials for potable water and sewage disposal activities.

Up to eighty person days and eight round trips over a five month period are authorized for this OTD. WASH Associate Project Director Dennis Warner made the first trip under this OTD to Santo Domingo from 26 January to 30 January.

As a result of this on-site visit and discussions with AID, government officials and several manufacturing firms, WASH Staff will begin work on evaluation plans and educational materials and preparation of alternative specifications for plastic container manufacture in Santo Domingo.

Two recommendations were made to the Mission: 1) Mision follow-up with local ceramic manufacturers on feasibility of water-seal toilet production and investigate further community acceptance of actual use of water-seal latrines; and 2) Mission conduct a two month pilot test program on the use and acceptability of plastic household water storage containers and ceramic filters with Triocide disinfectant. Eight days have been used on this OTD. For further information, contact Mr. Dennis Warner.

OTO 21 file

January 26, 1981

WATER AND SANITATION FOR HEALTH PROJECT

ORDER OF TECHNICAL DIRECTION NUMBER 21

TO: WASH Contract Project Director, Mr. James Arbuthnot, P.E.

FM: AID WASH Project Manager, Mr. Victor W. R. Wehman, Jr., P.E., R.S.

SUBJECT: Provision of Technical Assistance Under WASH Project Scope of Work for USAID/Dominican Republic

REFERENCES: A) Santo Domingo 08756
B) Santo Domingo 0082
C) State 013973
D) Rivera (USAID)/Wehman (AID/W)/Warner (WASH) phone call - 22 Jan 81 @ 1000 hrs

1. WASH contractor requested to provide technical assistance to USAID/Santo Domingo as per ref A and ref B scopes of work.

2. WASH contractor/sub-contractor/consultants authorized to expend up to eighty (80) person days effort over a five (5) month period to accomplish this technical assistance effort.

3. Contractor to provide draft final reports on completion of each element in ref A, para 2.A.1. and 2.A.2., 2.B.1., 2.B.2., 2.B.3. and 2.B.4. Final report due to mission within 30 days of completion of above field activities and final departure of consultants on each element.

4. Contractor to coordinate directly with USAID/Santo Domingo, with Dr. Oscar Rivera. Make sure Mr. Mathews and Ms. Brinneman and AID desk officer receive info copies of this order. WASH contractor should insure that above three personnel are informed before any consultant TDY takes place. WASH contractor must request and receive formal country clearance for all WASH personnel from mission prior to departing for country.

Make sure above three individuals are kept informed of mission, ETA's, country clearance and progress of activity throughout TA effort.

5. WASH contractor authorized up to $2,000 for various pattern and mold development costs necessary under ref A, para 2.B.3. and ref B, para 1.

6. WASH contractor authorized to allow WASH staff and consultants to make up to eight round trips in and out of Dominican Republic to his/her home base as appropriate during the technical assistance effort. Consultants can be brought to Washington for detailed briefings/preparation if deemed necessary as part of a RT to Dominican Republic.

7. Mission should be contacted immediately and technical assistance initiated as soon as possible and convenient to USAID/Santo Domingo.

8. Up to seventy-two (72) person days of international per diem, salary and misc. expenses are authorized to accomplish scope of works in para 3 of this OTD.

9. Local travel and misc expenses in Santo Domingo are authorized as necessary to accomplish mission.

10. Appreciate your prompt attention to this matter. Good luck.

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ACTION AID-35

ACTION OFFICE OSHE-01
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E.O. 12065: N/A
TAGS:
SUBJECT: WATER AND SANITATION FOR HEALTH (WASH) PROJECT
RESOURCE FOR AID

REF: STATE 273993

1. MISSION WELCOMES OPPORTUNITY PRESENTED BY WASH PROGRAM AND BELIEVES IT WILL PROVE TO BE AN EFFICIENT AGENT TO CARRY OUT KEY ACTIVITIES FOR HOST COUNTRY IN SUPPORT USAID'S HEALTH PROGRAM.

2. IN PARTICULAR, MISSION IS INTERESTED IN OBTAINING SERVICES FROM WASH IN THE FOLLOWING AREAS:

A. EVALUATION:

1. ASSISTANCE IS NEEDED IN ORDER TO HELP HOST GOVERNMENT DESIGN AN EVALUATION PLAN FOR THE $2 MILLION AID HEALTH SECTOR LOAN II (517-U-030) PROGRAM. THIS PLAN SHOULD PROVIDE FOR PERIODIC JOINT REVIEWS AND INCLUDE THE FOLLOWING POINTS:

A. EVALUATION OF PROGRESS TOWARD ATTAINMENT OF THE OBJECTIVES OF THE PROJECT;

B. IDENTIFICATION AND EVALUATION OF PROBLEM AREAS OR CONSTRAINTS WHICH MAY INHIBIT SUCH ATTAINMENT;

C. ASSESSMENT OF HOW SUCH INFORMATION MAY BE USED TO HELP OVER COME SUCH PROBLEMS; AND

D. EVALUATION TO THE DEGREE FEASIBLE, OF THE OVERALL DEVELOPMENT IMPACT OF THE PROJECT.

SINCE THE FIRST EVALUATION SHOULD BE COMPLETED BY DECEMBER 1980, ASSISTANCE TO DEVELOP THE PLAN SHOULD BEGIN WITHIN UPCOMING MONTH. IT IS EXPECTED THAT THREE WEEKS OF ASSISTANCE SHOULD BE ADEQUATE TO DEVELOP THE PLAN.

2. ASSISTANCE IS ALSO NEEDED IN CARRYING OUT THE PERIODIC PROGRAM EVALUATIONS. IT IS EXPECTED THAT THERE MAY BE THREE OR FOUR EVALUATIONS DURING THE PROJECT. EVALUSTIONS SHOULD PROVIDE FOR A SIGNIFICANT LEVEL OF STATISTICAL MEASURMENT AND SHOULD TAKE NO MORE THAN A MONTH OF FIELD WORK. REPORTS NEED TO BE IN SPANISH AND ENGLISH AND SHOULD CONFORM TO AID STANDARD REQUIREMENTS FOR EVALUATION (AID FORM 1330-15 AND 15A). HEALTH SECTOR II EVALUATIONS ARE TENTATIVELY SCHEDULED FOR DECEMBER 1980, 1981, 1982 AND 1983. IN ADDITION A FINAL EVALUATION FOR THE HEALTH SECTOR LOAN I (517-U-028) PROGRAM IS PLANNED FOR APRIL 1981. ASSISTANCE FOR THESE EVALUATIONS SHOULD BE TIMED ACCORDINGLY.

3. IT IS RECOMMENDED THAT THE KEY PERSONNEL OF EVALUATION TEAMS INCLUDE INDIVIDUALS WITH PRIOR EVALUATION EXPERIENCE IN SIMILAR HEALTH PROGRAMS. ALL KEY MEMBERS SHOULD BE FLUENT IN SPANISH.

B. PROJECT IMPLEMENTATION:

1 MISSION WILL REQUIRE PERIODIC ASSISTANCE UNDE HEALTH SECTOR II PROGRAM IN ADVISING GODR ON THE QUALITY CONTROL PROCEDURES IN THE MANUFACTURE OF HAND PUMPS. UNDER THE PROJECT, A LOCAL FIRM HAS INITIATED PRODUCTION OF THE AID/BATELLE PUMP. GEORGIA TECH UNIVERSITY HAS PROVIDED ASSISTANCE IN THE DESIGN OF THE PUMPS AND IS CURRENTLY PROVIDING QUALITY CONTROL ASSISTANCE FUNDED BY AID/W. MISSION IS VERY SATISFIED WITH THIS ASSISTANCE AND PROPOSES THAT IT BE EXTENDED UNDR THE WASH PROGRAM TO PROVIDE QUALITY CONTROL ADVICE THROUGHOUT THE LIFE OF THE PROJECT.

2. UUNDER THE AID HEALTH II PROGRAM AN ESTIMATED 2,650 WELLS AND PUMPS WILL BE PROVIDED TO RURAL AREAS. IN ADDITION GRAVITY-FLOW SYSTEMS WILL BE CONSTRUCTED. MAINTAINING THE WATER QUALITY IN ACCORDANCE WITH HEALTH STANDARDS AFTER CONSTRUCSION OF THE SYSTEM IS AN ISSUE WHICH NEEDS TO BE STUDIED. THE HOST COUNTRY NEEDS TO FIND AN ECNOMICAL AND CONVENIENT WAY TO TREAT A GIVEN WATER SYSTEM IN THE EVENT IT IS NEEDED. IT IS RECOMMENDED THAT AN EXPERT WHO IS FLUENT IN SPANISH BE INCLUDED ON THIS ASSIGNMENT.

3. UNDER THE AID HEALTH II PROGRAM. PROCUEMENT OF 26,500 FIVE GALLON AND 26,500 TWENTY GALLON PLASTIC CONTAINERS IS CONTEMPLATED. THE CONTAIERS ARE TO BE USED BY PROJECT PARTICIPANTS TO CARRY WATER TO HOMES AND STORE IT IN A MORE SANITARY MANNER TO REDUCE ITS CONTAMINATION. SPECIFIC DESIGN OF THESE CONTAINERS DEPENDS ON VARIOUS LOCAL CONDITIONS (I.E., USE OF CHILDREN TO CARRY WATER, ETC.) GIVEN THAT THE FIRST SERIES OF WATER SYSTEMS WILL BE COMPLETED IN NEXT FEW MONTHS, ASSISTANCE IN PREPARING SPECIFICATIONS FOR THE PROCUEMENT OF THESE CONTAINERS IS VERY IMPORTANT AND SHOLD BE PROVIDED WITHIN THE UPCOMING MONTH. THESE SPECIFICATIONS SHOULD BE IN ENGLISH AND SPANISH AND SHOULD CONFORM WITH THE AID H.B. 11 REQUIREMENTS FOR HOST COUNTRY CONTRACTING.

4. IN ORDER TO SUPPORT THE POTABLE WATER AND SEWAGE DISPOSAL ACTIVITIES IN THE AID HELTH II PROGRAM, AN INTENSIVE RURAL HEALTH EDUCATION CAMPAIGN IS ALSO CONTEMPLATED. THIS CAMPAIGN WILL BE CARRIED OUT BY SBS HEALTH EDUCATIONS. AN ESSENTIAL PART OF THIS CAMPAIGN WILL BE THE EDUCATION MATERIALS TO BE USED. ASSISTANCE IS REQUESTED TO DESIGN THESE MATERIALS. THIS ASSISTANCE SHOULD BEGIN WITHIN UPCOMING MONTH.
YOST

WEHMAN
BATAVIA
Mr. Junkin

Let's Discuss
G.
Received by McJunkin 11/12/8
" " Wehman 1/19/8

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Department of State

OUTGOING TELEGRAM

PAGE 01 STATE 013973 057307 AID2569
ORIGIN AID-35

ORIGIN OFFICE DSHE-01
INFO LADR-03 STA-10 AADS-01 ENGR-02 CH8-01 AGRI-01 HEW-09
RELO-01 DAEN-01 LACA-03 /033 A3 2

INFO OCT-00 /035 R

DRAFTED BY AID/DS/HEA: V. WEHMAN: JA
APPROVED BY AID/DS/HEA: C. A. PEASE
AID/DS/HEA: F. E. MCJUNKIN
AID/LAC/CAR: S. MERRILL (PHONE)
AID/LAC/DR/ENGR, C. MATHEWS (INFO)
AUD/LAC/DR/HR, E; BRINNEMAN (INFO)
DESIRED DISTRIBUTION
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P 181424Z JAN 81
FM SECSTATE WASHDC
TO AMEMBASSY SANTO DOMINGO PRIORITY

UNCLAS STATE 013973

AIDAC PASS TO HEALTH OFFICER

E.O. 12065: N/A

TAGS:

SUBJECT: PROCUREMENT OF WATER SEALED LATRINES AND WATER CONTAINERS UNDER HEALTH SECTOR LOAN II
REF: A) 0082
1. DS/HEA (WEHMAN) RECEIVED REF. A) ON 14 JAN 81.

2. SUGGEST WEHMAN TALK TO HEALTH OFFICER ON PHONE REFERENCE INFO REQUEST. PREFERABLY ON THURSDAY 22 JAN 81 IF POSSIBLE AT 1000 HRS WASHINGTON TIME. WEHMAN WILL CALL HEALTH OFFICER AT MISSION TO DISCUSS REQUEST.

3. WE ARE WORKING ON REQUEST. MUSKIE

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Department of State

INCOMING TELEGRAM

PAGE 01 SANTO 0008Z 080043Z 050401 AID5183
ACTION AID-35

ACTION OFFICE DSHE-01
INFO LADP-03 LAOR-03 CH6-01 STA-10 FLD-02 AADS-01 CH9-01
RELO-01 MAST-01 LACA-03 /027 A1 11

INFO OCT-01 /036 W
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R 071630Z JAN 81
FM AMEMBASSY SANTO DOMINGO
TO SECSTATE WASHDC 7543

UNCLAS SANTO DOMINGO 0082

AIDAC

FOR: DS/HEA - VIC WEHMAN

EO 12065: N/A
SUBJ: PROCUREMENT OF WATER SEALED LATRINES AND WATER CONTAINERS UNDER HEALTH SECTOR LOAN II

1. MIASSION INTERESTED IN GETTING INFORMATION AS TO SOURCE, COSTS, AND SPECIFICATIONS OF "WATER SEAL" LATRINES FOR A LIMITED PILOT STUDY TO DETERMINE THEIR ACCEPTABILITY IN RURAL COMMUNITIES UNDER HEALTH SECTOR LOAN II.

2. UNDER THE SAME LOAN THERE IS INTEREST IN PROVIDING FIVE AND TWENTY GALLONS WATER CONTAINERS TO EVERY FAMILY (TOTAL OF 26,500 OF EACH). THE FIVE GALLONS CONTAINERS WILL BE USED TO CARRY WATER FROM COMMUNITY OUTLETS AND SHOULD HAVE A NARROW NECT, A PROTECTIVE CAP WHICH WILL BE ATTACHED TO THE CONTAINER TO PREVENT ITS LOSS OR CONTAMINATIONBY DROPPING, AND A CARRYING HANDLE. THE TWENTY GALLONS CONTAINER WILL BE USED FOR HOUSEHOLD STORAGE, SHOULD HAVE A NARROW NECK, AN ATTACHED PROTECTIVE CAP, AND A TAP.

MISSION INTERESTED IN GETTING INFORMATION AS TO DETAILED SPECIFICATIONS, PROBABLE COST PER UNIT, SOURCES AND ANY OTHER INFORMATION CONSIDERED OF INTEREST FOR A POSSIBLE ADVERTISEMENT FOR BIDS.
3. MISSION WOULD APPRECIATE YOUR OPINION AS TO ADVISABILITY OF USING WATER FILTERS IN EVERY HOUSE, AS OPPOSED TO PURCHASING EXPENSIVE STORAGE CONTAINERS. EXPERIENCE WITH WATER FILTERS IN OTHER PROJECTS WILL BE OF INTEREST TO OUR PROJECT.
YOST

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C-59 TELEGRAM

PAGE 01 SANTO 00082 080043Z 050461 AID9196
ACTION AID-35

ACTION OFFICE DSHE-01
INFO LADP-03 LADR-03 CH6-01 STA-10 FLD-02 AADS-01 CHS-01
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FM AMEMBASSY SANTO DOMINGO
TO SECSTATE WASHDC 7543

UNCLAS SANTO DOMINGO 0082

AIDAC

FOR: DS/HEA - VIC WEHMAN

EO 12065: N/A
SUBJ: PROCUREMENT OF WATER SEALED LATRINES AND WATER CONTAINERS UNDER HEALTH SECTOR LOAN II

1. MISSION INTERESTED IN GETTING INFORMATION AS TO SOURCE, COSTS, AND SPECIFICATIONS OF "WATER SEAL" LATRINES FOR A LIMITED PILOT STUDY TO DETERMINE THEIR ACCEPTABILITY IN RURAL COMMUNITIES UNDER HEALTH SECTOR LOAN II.

2. UNDER THE SAME LOAN THERE IS INTEREST IN PROVIDING FIVE AND TWENTY GALLONS WATER CONTAINERS TO EVERY FAMILY (TOTAL OF 25,500 OF EACH). THE FIVE GALLONS CONTAINERS WILL BE USED TO CARRY WATER FROM COMMUNITY OUTLETS AND SHOULD HAVE A NARROW NECK, A PROTECTIVE CAP WHICH WILL BE ATTACHED TO THE CONTAINER TO PREVENT ITS LOSS OR CONTAMINATIONBY DROPPING, AND A CARRYING HANDLE. THE TWENTY GALLONS CONTAINER WILL BE USED FOR HOUSEHOLD STORAGE, SHOULD HAVE A NARROW NECK, AN ATTACHED PROTECTIVE CAP, AND A TAP.

MISSION INTERESTED IN GETTING INFORMATION AS TO DETAILED SPECIFICATIONS, PROBABLE COST PER UNIT, SOURCES AND ANY OTHER INFORMATION CONSIDERED OF INTEREST FOR A POSSIBLE ADVERTISEMENT FOR BIDS.
3. MISSION WOULD APPRECIATE YOUR OPINION AS TO ADVISABILITY OF USING WATER FILTERS IN EVERY HOUSE, AS OPPOSED TO PURCHASING EXPENSIVE STORAGE CONTAINERS. EXPERIENCE WITH WATER FILTERS IN OTHER PROJECTS WILL BE OF INTEREST TO OUR PROJECT.
YOST

AID WASH INFO Director

Jim Beverly
Please talk to me on 1/16/81 on this request & lets start working it out. I want to call the mission from WASH on Thursday 22 JAN 81 at 1000hrs Washington time from up in WASH. I would like you and whoever is supposed to provide technical guidance to be on the phone with me. Thanks
VIC

Call OSCAR RIVERA (health off) at 809-689-2469
You can do it!

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OTD #24 - January 30, 1981

RURAL WS&S SYSTEM DESIGN FOR AID PROJECT PAPER - ECUADOR

Mission requires technical assistance in two areas: rural sanitation delivery systems, and engineering analysis of proposed water supply systems. The IEOS (Ecuadorian Institute of Sanitation Work) needs guidance in determining specific numbers of persons to be trained, person-months and types of technical assistance to be provided, vehicle requirements, and inter-governmental agency organizational re-structuring. Consultant's report should also include specific policy and field level recommendations for effective community participation in water supply and sanitation projects.

The engineering analysis will be of preliminary water system designs for a dozen communities of 200-2,000 inhabitants. It will include review of cost estimates and technical design appropriateness, hand pump quantities, need for additional small systems and assessment of appropriate excreta disposal systems. Recommendations should contain suggestions for community involvement in planning, design, operation and maintenance of water systems.

Forty-two days of effort over a three month period are authorized. The WASH consultant, who is a native of Colombia, began work on February 2, 1981, in Quito. For further information, contact Mr. James Arubuthnot.

Water and Sanitation for Health Project
Order of Technical Direction #24

January 30, 1981

TO: Mr. James Arbuthnot, P.E.
WASH Contract Project Director

FROM: DS/HEA, Victor W.R. Wehman, Jr., P.E., R.S.
AID WASH Project Manager

SUBJECT: Provision of Technical Assistance Under WASH Project Scope of Work for USAID/Quito, Ecuador on Rural Health Project Paper Support

Refs: A) Quito 441 (20 Jan 81)
B) Quito 616 (24 Jan 81)

1. WASH contractor requested to provide technical assistance to USAID/Ecuador as per ref. A, para. 2.B. and ref. B.

2. WASH contractor/subcontractor/consultants authorized to expend up to forty-two (42) person days effort over a three month period to accomplish this technical assistance effort. Up to 37 days of international per diem is authorized for consultant.

3. Contractor to provide final typed report to mission before leaving mission and to the satisfaction of mission before leaving.

4. Contractor to coordinate directly with USAID/Ecuador, with Mr. Ken Farr. Insure Mr. Mathews, Ms. Brinneman and Ecuador desk officer receive info copies of this OTD along with the two background cables.

5. WASH project manager recommends that contractor utilize consultant requested and recommended by mission - Mr. G. Medina. Mr. Medina is an approved consultant by Contract Management for use by the WASH.

6. WASH contractor authorized to allow consultant to make (1) round trip in and out of Quito to his/her home base as appropriate during the technical assistance effort.

7. WASH contractor authorized to bring consultant to Washington, D.C. area and return to home base for debriefing if approved in future and deemed necessary by the AID WASH manager.

8. Consultant is a third country national and should be thoroughly backstopped by WASH. A weekly phone call by WASH task manager regarding progress discussions would seem appropriate for this mission. This consultant must feel like the WASH resource is supporting him.

9. Mission should be contacted immediately and technical assistance initiated as soon as possible and convenient to USAID/Quito. Make sure country clearances have been obtained before sending any personnel.

10. Appreciate your prompt attention to this matter.

Good luck.

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INCOMING TELEGRAM

PAGE 01 QUITO 00616 242225Z 061732 AID6983

ACTION AID-35

ACTION OFFICE DSHE-01

INFO LASA-03 LADR-03 AADS-01 CH8-01 RELO-01 TELE-01 MAST-01 /012 A4 826

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TO SECSTATE WASHDC IMMEDIATE 9149

UNCLAS QUITO 0616

AIDAC

FOR: DS/HEA LAC/DR P.KOLSKY

Attn: Mr. Kolsky

E.O. 12065: N/A
SUBJECT: WASH TECHNICAL ASSISTANCE

REF: A) YOUR VTMMERCIAL CABLE 1/22/81
B) QUITO 0441

034 REF B). MISSION REQUESTED SERVICES OF G.MEDINA AND C. PINEO TO WORK WITH USAID AND GOE COUNTER-PARTS IS DEVELOPING THE WATER SUPPLY AND SANITATION COMPONENTS OF RURAL HEALTH PROJECT PAPER. SAME CABLE DESCRIBES SPECIFIC TASKS THAT BOTH CONSULTANTS SHOULD CARRY OUT. NEED FOR MEDINA SERVICES REMAINS AS INDICATED REF. B). PLEASE ADVISE.
FIMBRES

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Department of State

INCOMING TELEGRAM

PAGE 01 QUITO 03441 210157Z 059155 AID3074
ACTION AID-35

ACTION OFFICE DSHE-01
INFO LASA-03 LAOP-03 PPCE-01 PDPR-01 PPPB-03 PPEA-01 STA-10
AADS-01 DSPO-03 ENGR-02 CH3-01 RELO-01 MAST-01
/032 A4 721

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FM AMEMBASSY QUITO
TO SECSTATE WASHDC 9069

UNCLAS QUITO 3441

AIDAC

FOR: DS/HEA - WASH PROJECT
LAC/DR

E.O. 12065: N/A
SUBJECT: SCOPE OF WORK FOR WATER AND SANITATION TA FOR RURAL HEALTH PROJECT PAPER PREPARATION

REF: A) TELCON FARR/MCJUNKIN 12/31
B) TELCON KOLSKY/FARR 1/8/81
C) TELCON KILSKY/FARR 1/13/81

1. PER REF TELCONS MISSION DISCUSSED NEED FOR TWO SANITARY ENGINEERS TO DEVELOP VARIOUS WATER SUPPLY AND SANITATION COMPONENTS OF SUBJECT PP. MISSION UNDERSTANDS EFFORT WILL BE MADE TO PROVIDE CHARLES PINEO AND GONZALO MEDINA FOR THESE ASSIGNMENTS TO BE FUNDED CENTRALLY BY DS/HEA WASH PROJECT. THEIR SCOPES OF WORK ARE OUTLINED IN PARA. 2. IF MEDINA OR PINEO NOT AVAILABLE SUGGEST TDY OF HERB GAUDIL OF USAID/PANAMA.

2. BASICALLY, THE TWO MAJOR TASKS TO BE COMPLETED BY THESE ENGINEERS ARE RELATED TO (A) IEOS RURAL DELIVERY CAPACITY AND (B) PROJECT ENGINEERING ANALYSES.
A. IEOS ORGANIZATIONAL CAPACITY. CHARLES PINEO WOULD CONDUCT A STUDY IN THIS AREA. IT INVOLVES FOLLOW-UP TO EARLIER DISCUSSIONS IN MAY 1980 OF PINEO AND WEHMAN WITH IEOS ON DEVELOPING THE CAPACITY TO PLAN, DESIGN, CONSTRUCT, OPERATE AND MAINTAIN SMALL RURAL WATER SUPPLY AND SANITATION SYSTEMS. PINEO WOULD CONCENTRATE ON REFINING THE PRELIMINARY CONCLUSIONS IN MAY 13 TRIP REPORT BY WEHMAN REGARDING NEEDS FOR INSTITUTIONAL STRENGTHENING AT NATIONAL AND (SELECTED) PROVINCIAL LEVELS. THIS TASK ENTAILS DETERMINING SPECIFIC NUMBERS OF PERSONS TO BE TRAINED, PERSON-MONTHS AND TYPE OF TA TO BE PROVIDED OVER LIFE OF PROJECT, VEHICLES REQUIRED AND SUGGESTED ORGANIZATION RESTRUCTURING AND INTER-ORGANIZATIONAL RELATIONSHIPS, TO WORK EFFECTIVELY WITH MOH ON BASIC WATER SUPPLY AND SANITATION PROJECTS IN IRD AREAS. FINALLY, THE STUDY SHOULD INCLUDE SPECIFIC POLICY LEVEL AND FIELD LEVEL RECOMMENDATIONS FOR EFFECTIVE COMMUNITY PARTICIPATION IN WS/S PROJECTS.
B. ENGINEERING ANALYSES. GONZALO MEDINA WOULD CONDUCT A STUDY ANALYSING TECHNICAL ENGINEERING ASPECTS OF WATER SYSTEMS TO BE CONSTRUCTED IN THREE OR FOUR IRD PROJECT AREAS. THIS ANALYSIS SHOULD BE SUFFICIENT TO MEET SEC. 611 REQUIREMENTS OF PROJECT PAPER. IT WILL REQUIRE ANALYSING PRELIMINARY WATER SYSTEM DESIGNS FOR 10-12 COMMUNITIES OF 300-2000 POPULATION PROPOSED FOR THE IRD AREAS, DETERMINING COST ESTIMATES AND TECHNICAL DESIGN APPROPRIATENESS; ESTIMATING NEED FOR ADDITIONAL SMALL WATER SYSTEMS, INCLUDING APPROXIMATE NUMBER OF HAND PUMPS FOR PROJECT AREAS; AND ASSESSING APPROPRIATE EXCRETA DISPOSAL SYSTEMS. THE STUDY SHOULD CONTAIN RECOMMENDATIONS ON COMMUNITY INVOLVEMENT IN PLANNING, DESIGN, OPERATION AND MAINTENANCE OF WATER SYSTEMS.

3. IT WOULD BE OPTIONAL IF BOTH ENGINEERS COULD BE AVAILABLE DURING SAME TIME PERIOD, BUT IT IS ESSENTIAL THAT MINIMAL OVERLAP OCCUR. IT IS ALSO EXPECTED THAT THESE CONSULTANTS WILL DEVELOP FOCUSSED, WRITTEN REPORTS USEABLE IN PROJECT PAPER WITH ONLY MINOR EDITING.

4. PER REFTEL (C) MISSION UNDERSTANDS DS/HEA WISHES TO PROVIDE APPRENTICE ENGINEER TO ACCOMPANY PINEO FOR 2-3 WEEKS. WE CONCUR IN THIS VISIT AND REQUEST NAME AND C.V. DATA.

4. CONFIRM ASAP AVAILABILITY OF SUGGESTED CONSULTANTS, WASH PROJECT FUNDING AND ETA'S.
FIMBRES

Attn: Mr. Kilsky

UNCLASSIFIED

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OTD 29 February 19, 1981

Development of Local Capability to Fabricate Hand Pumps and Well Screens--Honduras

USAID Mission/Honduras requests WASH assistance in local manufacture of the AID Hand Pump and Roboscreen. WASH consultant/contractor/sub-contractor will, in consultation with USAID/Honduras, select suitable manufacturers of AID Hand Pumps and Roboscreen and award contracts to the selected foundries.

During this manufacturing stage, the contractor will be responsible to: a) order from local foundries and machine shop, 150 AID Hand Pumps, 50 Sanpar Hand Pumps, and 100 feet of Roboscreen; b) provide working drawings, prototypes and technical assistance including dies, jigs, patterns, etc. for production of above to foundries and machine shops; c) inspect, test and accept finished products prior to release by manufacturers for installation in the field; and d) assist the Government of Honduras to identify specific locations for installation of test pumps and screens. A later OTD will be concerned with field installation and testing of this equipment in Stage II.

WASH will use technical assistance personnel familiar with Honduras mission personnel, local manufacturing conditions and organizations and with local manufacturing quality control aspects of AID Hand Pump and Roboscreen (broached).

One hundred person days over a six month period are authorized for this OTD. Contractor authorized to purchase 150 AID handpumps, 35 Dempster 210 F handpumps, 50 Sandpar pumps, 200 feet of Roboscreen. No single order for equipment may exceed $20,000 in cost for that order.

For further information, contact James Arbuthnot.

JEB/WASH/CIC
3/4/81

MEMORANDUM

February 19, 1981

Water And Sanitation for Health Project
Order of Technical Direction (OTD) Number 29

TO: Mr. James Arbuthnot, P.E.
WASH Contract Project Director

FROM: DS/HEA, Victor W.R. Wehman, Jr., P.E., R.S.
AID WASH Project Manager

SUBJECT: Provision of Technical Assistance Under WASH Project to USAID/Honduras-Phase I

Refs: A) Tegucigalpa 00093 (7 Jan. 81)

1. WASH contractor requested to provide technical assistance to USAID/Honduras as per Ref. A scope of work (modified).

2. WASH contractor/sub-contractor/consultants authorized to expend up to 100 person days over a 6-month period to accomplish Phase I or Stage I (see Ref. A para 2, State 1) of the scope of work. Stage II activities, i.e., field installation, training monitoring and evaluation of Phase I Honduras locally manufactured prototypes will be ordered in a later OTD, based upon knowledge of field conditions and knowledge of availability of high quality Roboscreens and high quality locally produced AID handpumps.

3. As per Ref. A, para 4., a draft final report shall be prepared by the contractor describing Phase I activities. A final report will be provided the mission within 30 days of contractor leaving Honduras on pump acceptance of quality of prototype trip.

4. Contractor to coordinate directly with USAID/Honduras, probably with Assistant Program Officer (Mr. Ray Baum). Inform LAC/DR/ENGR, LAC/DR/HN and Honduras desk officer of all important issues and coordination points. Make sure Ms. Brinneman, Dr. Mathews and Honduras desk officer receive copies of this order.

5. WASH contractor will use technical assistance personnel familiar with Honduras mission personnel, local manufacturing conditions and organizations and with local manufacturing quality control aspects of AID handpump and Roboscreen (broached).

6. WASH contractor authorized to allow consultants to make up to 6 round trips in and out of Tegucigalpa through Washington, if necessary, to his/her home base as appropriate during technical assistance effort.

7. Contractor will be required to provide detailed debriefing on Phase I activity in Washington for regional bureau personnel before authorization and approval of Phase II activity.

8. Contractor authorized to purchase 150 AID handpumps, 35 Dempster 210 F handpumps, 50 Sandpar pumps, 200 feet of Roboscreen. No single order for equipment may exceed $20,000 in cost for that order.

9. Contractor will insure sincere, tough negotiation takes place to obtain all equipment involved for as low a unit price as is reasonable, in conjuntion with the quality of manufacture anticipated.

10. Contractor may purchase under Phase I activities those amounts of spare parts, drop rod, drop pipe, and expendable supplies necessary to have complete pump assemblies ready to go for Phase II. Contractor may not purchase these supplies until contractor is very sure that quality of AID Honduras handpump is reasonable to go into field trials.

11. Contractor may work with USAID and Honduras officials in identifying and characterizing test sites. Every attempt should be made to have all test sites (35 AID handpump, 35 Sandpar handpump), (30 Dempster 210F) identified before Phase II activities are started and readily accessible on a yearly basis. Contractor will not select sites that take extensive amounts of time to reach. Every effort shall be made to cluster handpump sites, if possible.

12. Each handpump shall be filled with a 2" diameter Roboscreen strainer for evaluation purposes of 0.018 inch cut about 8 inches long. These Roboscreens shall be evaluated with the handpumps on a regular basis in Phase II.

13. Mission should be contacted immediately and technical asistance initiated as soon as possible and convenient to USAID/Honduras.

14. Appreciate your prompt attention to this matter. Good luck.

DS/HEA:V.Wehman:ja:2/19/81

PAGE 01 TEGUCI 00093 01 OF 02 060024Z 050407 A105143
ACTION AID-35

ACTION OFFICE DSHE-01
INFO LACE-03 LADP-03 LADR-03 CHG-01 FM-02 AADS-01 CHGT-02
CTR-02 CHS-01 /019 A4 7

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TO SECSTATE WASHDC 1343

UNCLAS SECTION 1 OF 2 TEGUCIGALPA 0093

ADM AID

FOR VIC WEHMAN DS/HEA/EH

EO 12065 N/A
SUBJECT: CONTRACT TO DEVELOP LOCAL CAPABILITY TO FABRICATE HAND PUMPS AND WELL SCREENS

1. MISSION REQUESTS AID/W TO NEGOTIATE A CONTRACT EITHER UNDER THE WASH PROGRAM OR DIRECTLY WITH GEORGIA INSTITUTE OF TECHNOLOGY AS APPROPRIATE TO PROVIDE TECHNICAL ASSISTANCE FOR THE LOCAL MANUFACTURE OF THE AID HAND PUMP AND THE ROBOSCREEN.

2. SCOPE OF WORK WILL BE IN 2 STAGES OVER 24 MONTHS AND THE CONTRACTOR WILL PERFORM THE FOLLOWING TASKS:

STATE 1: (10 MONTHS). IN CONSULTATION WITH USAID/HONDURAS SELECT SUITABLE MANUFACTURERS OF AID HAND PUMPS AND ROBOSCREEN AND AWARD CONTRACTS TO THE SELECTED FOUNDRIES. DURING THIS MANUFACTURING PHASE, THE CONTRACTOR WILL BE RESPONSIBLE TO:

(A) ORDER FROM LOCAL FOUNDRIES AND MACHINE SHOP:

150 AID HAND PUMPS

50 SANPAR HAND PUMPS

100 FEET OF ROBOSCREEN

(B) PROVIDE WORKING DRAWINGS, PROTOTYPES AND TECHNICAL ASSISTANCE INCLUDING DIES, JIGS, PATTERNS, ETC. FOR PRODUCTION OF ABOVE TO FOUNDRIES AND MACHINE SHOPS.

(C) INSPECT, TEST AND ACCEPT FINISHED PRODUCTS PRIOR TO RELEAASE BY MANUFACTURERS FOR INSTALLATION IN THE FIELD.

(D) ASSIST GOH IDENTIFY SPECIFIC LOCATIONS FOR INSTALLATION OF TEST PUMPS AND SCREEN.

STAGE II: INSTALLATION AND TESTING OF PUMPS AND ROBOSCREENS (14 MONTHS). CONTRACTOR WILL:

(A) DIRECT GOH HEALTH PROMOTERS IN METHODS OF PROPER INSTALLATION OF 30 AID PUMPS, 30 SANPAR PUMPS AND ROBOSCREENS. INSTRUCT THE SAME PROMOTERS HOW TO TEST AND WHERE REQUIRED DESINFECT THE WELLS FOR EACH TEST SITE. PROVIDE INSTRUCTIONS ON MAINTENANCE AND PREVENTIVE MAINTENANCE AND REPAIR OF TEST PUMPS.

TEGUCI 00093 01 OF 02 060024Z 050407 A105

(B) MONITOR AND EVALUATE THE AID AND SANPAR PUMPS AND ROBOSCREENS. PROVIDE FEEDBACK TO MANUFACTURERS FOR QUALITY CONTROL AND, IF NECESSARY, THE CORRECTION OF DEFECTIVE COMPONENTS.

(C) PROVIDE GOH MINISTRY OF HEALTH WITH PROGRESS DATA FOR SIMULTANEOUS EVALUATION OF HAND PUMPS INSTALLED IN TEST SITES.

3. BUDGET

STATE 1 (10 MONTHS)

SALARIES	$25,000
OVERHEAD	12,500
INSURANCE	1,000
TRAVEL (INTERNATIONAL)	2,500
PER DIEM	6,000
DIRECT MIS. (REPRODUCTION) TELE, ETC.)	1,500
SUB TOTAL	$48,500
EQUIPMENT (CONTRACTED) AND DIES JIGS, ETC.	35,500
STAGE I TOTAL	$84,000

STAGE II (14 CALENDAR MONTHS)

SALARIES	40,000
OVERHEAD	20,000
INSURANCE	1,500
TRAVEL (INTERNATIONAL)	2,500
TRAVEL (IN-COUNTRY)	3,000
PER DIEM	15,000
DIRECT MISC. (REPRODUCTION, TELE, ETC.)	3,000
SUB TOTAL	85,000
EQUIPMENT (DROP PIPE, PLUNGER ROD, CEMENT, ETC.)	18,000
STAGE II TOTAL	$103,000
TOTAL STAGE I AND II	$187,000

Department of State

INCOMING TELEGRAM

PAGE 01 TEGUCI 00093 02 OF 02 080024Z M207 4884 AID5142
ACTION AID-35

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FM AMEMBASSY TEGUCIGALPA
TO SECSTATE WASHDC 1344

UNCLAS SECTION 2 OF 2 TEGUCIGALPA 0093

ADM AID

FOR VIC WEHMAN DS/HEA/EH

NOTE ALL ITEMS WITH EXCEPTION OF SALARY AND OVERHEAD WOULD BE COST REIMBURSABLE IN ACCORDANCE WITH APPLICABLE AID REGULATIONS.

4. REPORTS: A REPORT SHALL BE PREPARED BY THE CONTRACTOR AT THE END OF STAGE 1 OUTLINING THE PROJECT, CONCLUSIONS, AND RECOMMENDATIONS; A SECOND REPORT SHALL BE PREPARED AT THE END OF STAGE II WHICH SUMMARIZES THE WHOLE PROJECT AND PROVIDES THE RESULTS OF THE TESTS AND THE RECEPTION AND REACTION OF GOH PERSONNEL TO THE PROJECT.

5. AS AGREED WITH WEHMAN AT DAEC, CONTRACT WILL BE FUNDED ENTIRELY FROM AID/W SOURCES SINCE FUNDS ARE NOT AVAILABLE FOR THIS ASSISTANCE FROM THE RURAL WATER AND SANITATION PROJECT (522-0166) NOR IN ANY OTHER AID HONDURAS PROJECT.

6. CONTRACTOR SHOULD BE MADE AWARE THAT THE PROJECT AUTHORIZATION FOR 522-0166 GIVES MISSION AUTHORITY TO ALLOW PROPIETORY PROCUREMENT OF DEMPSTER BRAND HAND PUMPS AND THAT THE PUMPS DEVELOPED LOCALLY WILL BE IN COMPETITION, AS FAR AS PRICE AND QUALITY ARE CONCERNED, WITH THE DEMPSTER PUMPS. WHEN THE SECOND GROUP OF 2,000 PUMPS IS ORDERED, DEMPSTER INDUSTRIES INC. WILL BE ALLOWED TO QUOTE A PRICE AND THE GOH WILL SELECT THE APPROPRIATE HAND PUMP BASED ON THE LOWEST UNIT COST, LOCALLY MANUFACTURED OR DEMPSTER (WHICH HAS ALREADY BEEN SELECTED AS THE STANDARIZATION MODEL).
BINNS

Act: JSH
LAEC
LADK
LADP
AADS
CMGT
CTR
FM
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OTD 30 March 2, 1981

Participation in XIII Central American Congress of Sanitary Engineering Meeting, 16-20 March, 1981 Guatemala City, Guatemala.

USAID/Guatemala and ROCAP indicated that this meeting would be a good opportunity to present the WASH Project and its capabilities to Latin American engineers who are assembling to discuss Central American cooperation during the U.N. International Drinking Water Supply and Sanitation Decade.

The WASH consultant, Mr. Charles Pineo, will brief the AID Mission and ROCAP on WASH, and is expected to become part of the program of the Congress, 18-21 March. He will take notes on the Congress, bring back relevant materials as available, and prepare a written report on proposed national environmental health activities and strategies to achieve Water Decade goals.

Four man days are authorized for this OTD. For further information, contact Peter Kolsky.

JEB/WASH/CIC
3/4/81

Water and Sanitation for Health (WASH) Project
Order of Technical Direction (OTD) Number 30

TO: Mr. James Arbuthnot, P.E. March 2, 1981
WASH Project Director

FROM: Dr. John Austin, P.E. JHA
Mr. Victor W.R. Wehman, P.E., R.S. VWW
WASH AID Project Managers

SUBJECT: Provision of senior consultant services to participate in XIII Central American Congress of Sanitary Engineering Meeting of 16-20 March 1981 in Guatemala City, Guatemala

1. WASH contractor is requested to provide expert senior consultant technical assistance services as defined below.

2. Arrange for and transport Mr. Charles S. Pineo (301-530-1726) (representing DS/HEA staff) from St. Thomas, Virgin Islands o/a 18 March 81 to arrive on 12 p.m with return on Saturday 21 March 81 to St. Thomas.

3. Contractor requested to make accommodations in the old section of the Biltmore Hotel where other participants are staying.

4. Contractor requested ~~Congress~~ V.W. & J.A. to pay all international and local travel and A.I.D. allowed per diem during period 18-21 March 81.

5. Upon arrival in Guatemala, Mr. Pineo should go to A.I.D. mission to meet with Scott Edmonds of that mission. He will also be an invitee to conference by the Congress.

6. Mr. Pineo should take 100 copies of the WASH brochure (without enabling cable) with him for handouts and discussion at conference and A.I.D. mission and ROCAP. During the course of the week, Mr. Pineo should attempt to brief A.I.D. and ROCAP program officer and A.I.D. health and engr. officers on WASH program and services (leaving a copy of brochure with each of them). Leave 10 copies each of WASH brochures extra with Edmonds, Carlos Crowe and ROCAP staff.

7. Mr. Pineo should discuss conference and program content and his presentation with Mr. Edmonds before attending conference on 19-20 March 1980. Arrangements must be made to secure a spot on Congress Program for Pineo.

8. While at the conference, Mr. Pineo shall take detailed notes and collect materials to bring back to WASH Coordination and Information Center (CIC). A.I.D. is very interested in proposed national environmental health activities and proposed in Central America and proposed strategies for achieving Decade goals. Pineo should prepare a written report on his visits.

9. Upon arrival back at Washington recommend that WASH CIC set up a debriefing session for Mr. Pineo to debrief WASH staff. Request entire WASH CIC attend and participate.

10. Suggest WASH CIC invite Chuck Mantione, LAC/DR/HN, Charles Mathews and other interested LAC/DR staff to briefing including Guatemala desk officers.

11. Suggest WASH Contractor pay salary as approved by SER/CM/COD to total of 4 days of professional salaried services.

12. Call USAID Mission in Guatemala and receive concurrence of travel for Pineo before he goes. Give them a short briefing on reason for his travel. Then let LAC desk officer know by phone of Pineo's consultation for DS/HEA.

DS/HEA/EH:V.Wehman:ja:2 March 81

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Department of State

INCOMING TELEGRAM

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ACTION AID-35

ACTION OFFICE LACE-03

INFO LACO-02 LADP-03 LADR-03 STA-10 AADS-01 DSHE-01 DSN-03

ENGR-02 CHS-01 HEW-09 /038 A2 024

INFO OCT-01 /036 W

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FM AMEMBASSY GUATEMALA

TO SECSTATE WASHDC PRIORITY 3098

UNCLAS GUATEMALA 1117

AIDAC

ROCAP

EO 12065: N/A

SUBJECT: XIII CENTRAL AMERICAN CONGRESS OF SANITARY ENGINEERING

REF: GUATEMALA 0948

1. URGENTLY NEED RESPONSE TO QUESTION OF POSSIBLE FINANCIAL PARTICIPATION BY LAC/BUREAU OR DSN/HEALTH.

2. ALSO, NEED RESPONSE TO QUESTION OF PRESENTATION BY DSN/HEALTH ON WASH OR OTHER SUBJECT. EYRE. SINN

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INCOMING TELEGRAM

PAGE 01 GUATEM 00948 132002 001182 AID5651
ACTION AID-35

ACTION OFFICE LACE-03
INFO LACO-02 LADP-03 LADR-03 PPCE-01 PDPR-01 PPPB-03 PPEA-01
STA-10 PPIA-02 AADS-01 DSHE-01 ENGR-02 CHS-01 ES-01
CIA-05 HEW-09 HUD-02 RELO-01 MAST-01 DO-01 /054 A1 413

INFO OCT-01 /036 W
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FM AMEMBASSY GUATEMALA
TO SECSTATE WASHDC PRIORITY 3008
INFO AMEMBASSY SAN SALVADOR
AMEMBASSY TEGUCIGALPA
AMEMBASSY MANAGUA
AMEMBASSY SAN JOSE

UNCLAS GUATEMALA 0948

AIDAC

ROCAP

E.O. 12065: N/A

SUBJECT: XIII CENTRAL AMERICAN CONGRESS OF SANITARY ENGINEERING

REF: 80 STATE 26993

1. BOTH USAID GUATEMALA AND ROCAP HAVE BEEN APPROACHED TO HAVE AID PARTICIPATE IN THE XIII CENTRAL AMERICAN CONGRESS OF SANITARY ENGINEERING AND TO DEFRAY PART OF THE CONFERENCE COST. THE CONFERENCE WILL BE HELD IN GUATEMALA FROM MARCH 16 TO 20, 1981 AND WILL HAVE AS ITS MAIN THEME "CENTRAL AMERICAN COOPERATION DURING THE DECADE OF POTABLE WATER SUPPLY AND ENVIRONMENTAL SANITATION" WHICH HAS EMANATED FROM THE UN CALL FOR INCREASED WORLDWIDE EFFORTS TO PROVIDE SAFE DRINKING WATER AND SANITATION TO ALL BY 1990.

2. THE AGENDA FOR THE CONFERENCE INCLUDES PRESENTATIONS BY ALL THE COUNTRIES OF CENTRAL AMERICA AND PANAMA ON THEIR PROGRAMS AS WELL AS PRESENTATIONS BY OPS/OMS, AID AND OTHER ORGANIZATIONS. ACCORDING TO THE LETTER RECEIVED FROM THE ORGANIZING COMMITTEE, THE OBJECTIVES OF THE CONFERENCE ARE AS FOLLOWS:
A. CONTRIBUTE TO THE ACCOMPLISHMENT OF THE OBJECTIVES PROPOSED BY THE INTERAMERICAN ASSOCIATION OF SANITARY ENGINEERING (AIDIS), AMONG WHICH ARE: TO SOLVE SANITARY PROBLEMS AND ESTABLISH PRINCIPLES AND UNIFORM STANDARDS FOR THE CONSTANT PROTECTION OF THE POPULATION'S HEALTH.
B. ANALYZE AND DISCUSS THE CONGRESS' CENTRAL THEME: "CENTRAL AMERICAN COOPERATION DURING THE DECADE OF POTABLE WATER AND ENVIRONMENTAL HEALTH", AND PRESENT CONCLUSIONS AND RECOMMENDATIONS.
C. AWAKEN REGIONAL AWARENESS AND INTEREST IN THE INTERNATIONAL DECADE OF POTABLE WATER AND ENVIRONMENTAL HEALTH.
D. INTERCHANGE IDEAS ON STRATEGIES, GOALS AND PROGRAMS FOR EACH COUNTRY.
E. ESTABLISH A MECHANISM FOR COORDINATION AND COLLABORATION AMONG THE COUNTRIES OF THE REGION.
F. IDENTIFY THE POSSIBILITIES AND CONSTRAINTS TO IMPLEMENTING RURAL POTABLE WATER AND SANITATION PROGRAMS DURING THE DECADE.

3. BOTH ROCAP AN USAID GUATEMALA BELIEVE THAT THIS

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CONFERENCE WILL BE OF MORE THAN USUAL IMPORTANCE BECAUSE OF THE PLANNING GOING ON TO TRY TO ACHIEVE THE GOALS OF THE UN DECLARATION. THE SUPPORT REQUESTED FROM AID IS $15,000 OUT OF A TOTAL BUDGET OF $45,000 FOR THE CONFERENCE. ROCAP AND USAID GUATEMALA DO NOT HAVE FUNDS AVAILABLE FOR THIS PURPOSE AND REQUEST THAT SERIOUS CONSIDERATION BE GIVEN TO AID/W CENTRAL FUNDING. CONFERENCE WOULD BE A USEFUL OPPORTUNITY FOR AID/W TO PRESENT INFORMATION ON NEW INITIATIVES IN THIS AREA SUCH AS THE WATER AND SANITATION FOR HEALTH (WASH) PROJECT RESOURCE FOR AID REPORTED IN REFTEL.

4. PLEASE ADVISE ASAP ON THE POSSIBILITY OF AID/W CENTRAL FUNDING FOR THE CONFERENCE AND OF AID/W INTEREST IN MAKING A PRESENTATION ON THE WASH PROJECT OR OTHER SUBJECTS. BASSFORD ACTING. SINN

Matter will have Overview

Received DS/HEA (WEHMAN) 2/18/81

Passed to WASH info 2/18/81

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Conceptualization of Rural Water Supply
and Sanitation Project - Ecuador

This work was performed by the APHA under contract with DS/HEA.

On April 11, 1980 DS/HEA was requested by LAC/DR/HN to furnish the services of two consultants (a sanitary engineer and a development economist) to work for approximately three weeks with the Ministry of Health and other related Government of Ecuador agencies to conceptualize a program of rural water supply and sanitation appropriate to Ecuador's resources and needs; to strategize how that program might be developed and to identify targets of opportunity for the MOH and USAID/ Ecuador to consider and to develop a PID for the Mission in rural water supply and sanitation.

The assignment in Ecuador was completed May 13, 1980. The two consultants spent a total of 38 man days on the assignment, including time in Ecuador, and briefing and debriefing in Washington.

As a result of the report, Environmental Health Strategy Statement, dated 13 May 1980, the following actions have occurred:

1. An agreement signed 29 August 1980 by USAID/Ecuador Director and the Subsecretariat of Environmental Sanitation and Sanitary Works (IEOS), for the sum of $44,170 for approximately 12 months of project implementation, to contribute to the strengthening of IEOS capacity to design, test and evaluate water supply and sanitation technologies appropriate to rural areas, leading to their inclusion in the development of project for field application, particularly in areas of Integrated Rural Development.
2. On November 11, 1980, PID 518/Ecuador was signed to assist the GOE develop a low cost rural health delivery system that can be used in the Integrated Rural Development (IRD) areas and ultimately nationwide. The system, among other things, will help provide for the extension and expansion for services to rural areas (especially water supply and sanitation services).

The contract was performed in April-May 1980, at a cost of $11,240.

Technical Assistance in Local Manufacturing
and Field Testing of AID Handpumps,
Robovalves & Roboscreens-Ecuador

This work is being performed by Georgia Tech, under contract with DS/HEA and includes the following tasks:

1. Render technical assistance to the local Mission, host government and private volunteer organizations (PVOs) implementing rural water supply programs associated with hand-operated water pumps, valves (faucets) for piped water schemes and well screens.

2. Place order with selected foundries, machine shops and plastics manufacturers for the prodection of no less than 110 AID hand pumps, 2000 Robovalves and 1000 feet of Roboscreen.

3. Provide working drawings, prototypes and technical assistance to selected foundries, machine shops and plastics manufacturers in proper production techniques and quality control in order that the manufacturers fully understand the components of the AID hand pump and Robo-devices and how they should be manufactured.

4. Inspect, test and accept finished AID hand pumps and Robo-devices prior to release by manufacturers installation in the field.

5. Train recipient organizations (CARE, Peace Corps, MAP/Voz Andes, Ecuadorian Institute of Sanitary Works and Center for the Rehabilitation of Manabi) in proper sanitary preparations of wells, installation of 100 AID hand pumps and Robo-devices, disinfection of water where necessary, bacteriological analysis of water and maintenance and repair of AID hand pumps. In cases where manufacturing defects are discovered in the field that data will be fed back to the manufacturer for tightening of quality control.

The contract period is September 22, 1980 to September 23, 1981. Contract cost is $97,000.