

9310489(3)
 PD-ADL-882-E1
 SHC

AGENCY FOR INTERNATIONAL DEVELOPMENT PROJECT PAPER FACESHEET		1. TRANSACTION CODE <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	PP 2. DOCUMENT CODE 3 8p
3. COUNTRY ENTITY TA/AGR RDA-4 Type C - Field Services		4. DOCUMENT REVISION NUMBER 2	
5. PROJECT NUMBER (7 digits) <input type="checkbox"/> 931-0489 <input type="checkbox"/> B	6. BUREAU OFFICE A. SYMBOL TAB	7. PROJECT TITLE (Maximum 40 characters) <input type="checkbox"/> On Farm Water Management - Utah <input type="checkbox"/>	
8. ESTIMATED FY OF PROJECT COMPLETION FY <input type="checkbox"/> 7 <input type="checkbox"/> 8		9. ESTIMATED DATE OF OBLIGATION Extension A. INITIAL FY <input type="checkbox"/> 7 <input type="checkbox"/> 4 B. QUARTER <input type="checkbox"/> 4 C. FINAL FY <input type="checkbox"/> 7 <input type="checkbox"/> 7 (Enter 1, 2, 3, or 4)	

10. ESTIMATED COSTS \$000 OR EQUIVALENT \$1 - N/A for 9 month extension

A. FUNDING SOURCE	FIRST FY 77			LIFE OF PROJECT		
	B. FX	C. L/C	D. TOTAL	E. FX	F. L/C	G. TOTAL
AID APPROPRIATED TOTAL	\$156	-	\$156	\$156	-	\$156
(GRANT)	\$156	-	\$156	\$156	-	\$156
(LOAN)						
OTHER U.S.						
HOST COUNTRY						
OTHER DONOR(S)						
TOTALS	\$156	-	\$156	\$156	-	\$156

11. PROPOSED BUDGET APPROPRIATED FUNDS (\$000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH. CODE	E. Thru 9/30/76		H. 1st FY 77		K. 2nd FY 78		
			C. GRANT	D. LOAN	F. GRANT	G. LOAN	I. GRANT	J. LOAN	L. GRANT
(1) FN	141 I	953	-	\$1830	-	\$156	-	-	-
(2)									
(3)									
(4)									
TOTALS				\$1830	-	\$156	-	-	-

A. APPROPRIATION	N. 3rd FY 79		O. 4th FY 80		LIFE OF PROJECT		12. IN-DEPTH EVALUATION SCHEDULED
	P. GRANT	Q. LOAN	R. GRANT	S. LOAN	T. GRANT	U. LOAN	
(1) FN	-	-	-	-	\$1986	-	MM YY <input type="checkbox"/> 0 <input type="checkbox"/> 4 <input type="checkbox"/> 7 <input type="checkbox"/> 6
(2)							
(3)							
(4)							
TOTALS		-	-	-	-	\$1986	

13. DATA CHANGE INDICATOR. WERE CHANGES MADE IN THE PID FACESHEET DATA, BLOCKS 12, 13, 14, OR 15 OR IN PRP FACESHEET DATA BLOCK 12? IF YES, ATTACH CHANGED PID FACESHEET.

1 = NO
 2 = YES

14. ORIGINATING OFFICE CLEARANCE		15. DATE DOCUMENT RECEIVED IN AID/W, OR FOR AID/W DOCUMENTS, DATE OF DISTRIBUTION
SIGNATURE Leon F. Hesser, <i>Leon F. Hesser</i>		
TITLE Director, Office of Agriculture, TAB	DATE SIGNED MM DD YY 12 21 76	

AID 1330-4 (3-76)

Other clearances: LA/DR:DChaij *for* Date: *12/21/76*

(short form-amendment)

PROJECT PAPER

#931-0489 ON-FARM WATER MANAGEMENT - UTAH

I. SUMMARY

Utah State University, through contract AID/ta-C-1103 is conducting water management research in South and Central America. The project is currently scheduled for termination on March 31, 1977. Several related mission funded activities are aimed at improving the use and effectiveness of water in agriculture. The Peru, Ecuador and El Salvador missions have, therefore, specifically requested that TAB insure that past project research data be developed for use in these mission activities. (see attachments A, B, and C). The purpose of this PP amendment is for Utah State University to package several relevant past research findings for utilization in support of existing or planned Latin America Bureau/Mission activities. The packaged results will be presented to host governments in seminar and publication form. This additional work requires additional funds totaling \$156,000 and extension of the Utah contract by nine (9) months. The Latin America Bureau/Missions will pick up management and funding responsibilities for any further utilization activities after the extension period.

II. PROJECT BACKGROUND AND DESCRIPTION

A. Background:

The Utah On-Farm Water Management research project has developed a great deal of information and knowledge in South and Central America regarding irrigation water management. Specific data include: climatic factors, water requirements, drainage criteria, water law, water management institutions and fertilizer/crop/water interactions. The current approved termination date for this project will not allow for presentation of results in utilizable form for existing Latin America Bureau/Mission activities. This extension will permit the packaging of relevant research findings for utilization and the presentation of data to the concerned host governments.

B. DESCRIPTION

Utah State University will: (a) develop an extension and training program for the Sierra Irrigation Project in Peru based on their research and experience as they apply to the small farmer; (b) prepare five (5) publications regarding water and water/fertilizer interactions on rice, pasture, corn, sorghum and dry beans, in Central America and present

them at a seminar to be held in El Salvador: and (c), summarize results of irrigation institutional and farmer surveys and present them in two seminars in Ecuador and Bolivia.

III. IMPLEMENTATION ACTIVITIES (WORK PLAN)

Presently under contract AID/ta-C-1103, Utah State University has two scientists in Peru and one each in Ecuador, El Salvador and Guatemala. Termination of the contract on March 31, 1977 would require that all scientists be returned to the U.S. prior to that date. To carry out the activities outlined in II. B (above) requires that:

- a. The irrigation engineer remain in Peru until 31 December 1977.
- b. The agronomist remain in Peru until 30 June 1977.
- c. The agronomist remain in El Salvador until 30 June 1977.
- d. The water law specialist remain in Ecuador until 30 June 1977.
- e. Agronomic and legal assistance to support the scientists (above) be provided on-campus at Utah State University.

Specific implementation activities under this extension will include the following:

- a. Activities in Peru: To effectively utilize data and experience gained under contract AID/ta-C-1103 so that it has relevance to the Sierra On-Farm Irrigation loan program in Peru, the irrigation engineer and agronomist will:
 1. Develop a demonstration/problem analysis/extension program which will reach small farmers in the Sierra.
 2. Provide complementary services to on-going USAID/Peru programs in agriculture/irrigation.

The irrigation engineer would be funded under this extension through December 31, 1977, and by the mission commencing January 1, 1978 to implement the development program. The agronomist would complete his duties on or about June 30, 1977. No on-campus technical support is required for these activities in Peru.

- b. Activities in El Salvador: To analyze results, prepare and present publications in utilizable form for the proposed On-Farm Irrigation loan in El Salvador, the agronomist, with on-campus assistance of three (3) other agronomists, would collect all significant field data, analyze the data and prepare publications on the following:

1. Year-round pangola pasture production in El Salvador concerning soil moisture and nitrogen fertilizer requirements.
2. Irrigation and nitrogen fertilizer management for upland rice production in Central America.
3. Predicting corn yields at various levels of management intensity for soil moisture and nitrogen fertility in Central America.
4. Soil moisture and nitrogen fertility management for wet season sorghum production to the Zapotitan Valley, El Salvador.
5. Dry beans production under surface irrigation in the Atiocoyo District of El Salvador.

The agronomists in El Salvador, with assistance of three (3) agronomists on campus, will conduct a seminar/workshop in El Salvador to present a summary of the research findings. This work in El Salvador will be completed on or about June 30, 1977.

- c. Activities in Ecuador: To provide for dissemination of data on irrigation institutional studies gathered from farmer and institutional surveys in Ecuador, Peru, Chile, Bolivia and Columbia, the water law specialist in Ecuador, with on campus assistance of two (?) other water law specialists, will:

1. Compile, analyze and summarize all data into country specific reports.
2. Conduct workshops to present the data in Bolivia and Ecuador.

This work in Ecuador and Bolivia will be completed on or about June 30, 1977.

IV. ESTIMATED BUDGET

A. Budget by Line Item*

Salaries	\$ 75,645
Fringe benefits	17,590
Allowances	15,400
Overhead	30,445
Travel and transportation	8,500
Publications and misc.	8,420
TOTAL --	<u>\$156,000</u>

B. Budget by Country (including on campus back-up support)

Activity - Peru	\$ 66,310
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*NOTE: See attached "Estimated Distribution of Cost by Country/technician"

Activity - El Salvador		46,615
Activity - Ecuador		<u>43,075</u>
	Total --	\$156,000

Attachments:

- A. Cable Lima 10393
- B. Cable San Salvador 5241
- C. Cable Quito 7960
- D. Memo Girard to Farrar

ESTIMATED DISTRIBUTION OF COSTS BY COUNTRY/TECHNICIAN
 FOR EXTENSION (APRIL 1 - DECEMBER 31, 1977)
 OF ON-FARM WATER MANAGEMENT - UTAH
 (AID/ta-C-1103)

<u>ITEM</u>	<u>ACTIVITIES IN PERU</u>		<u>Activities in</u> <u>El Salvador &</u> <u>On Campus Support</u>	<u>Activities in</u> <u>Ecuador &</u> <u>On Campus Support</u>	<u>TOTAL</u>
	<u>1 Irr. Engr.</u> <u>(9 MM total)</u>	<u>1 Agronomist</u> <u>(3 MM total)</u>	<u>4 Agronomists</u> <u>(10 MM total)</u>	<u>3 Water Law Spec.</u> <u>(9 MM total)</u>	
1. Salaries & post differential	\$27,075	\$ 8,660	\$21,145	\$18,765	\$ 75,645
2. Fringe Benefits	7,425	2,360	4,200	3,605	17,590
3. Allowances	8,700	2,300	2,900	1,500	15,400
4., Overhead	7,425	2,365	10,870	9,785	30,445
5. Travel and Transportation	-	-	2,500	6,000	8,500
6. Publication & Misc.	-	-	5,000	3,420	8,420
TOTALS -	<u>\$50,625 plus \$15,685</u> Equals \$66,310		<u>\$46,615</u>	<u>\$43,075</u>	<u>\$156,000</u>

NOTE: MM equals man months of technical services.

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AGENCY FOR INTERNATIONAL DEVELOPMENT
PROJECT AUTHORIZATION AND REQUEST
FOR ALLOTMENT OF FUNDS PART I

1. TRANSACTION CODE
 A ADD
 C CHANGE
 D DELETE

PAF
2. DOCUMENT CODE
5

3. COUNTRY ENTITY TA/AGR FDA-4
Type C. Field Service

4. DOCUMENT REVISION NUMBER
 Original

5. PROJECT NUMBER (7 digits)
1162
 931-0409 B

6. BUREAU OFFICE
A SYMBOL B CODE
TAB 08

7. PROJECT TITLE (Maximum 40 characters)
 On Farm Water Management - Utah Utilization

8. PROJECT APPROVAL DECISION
ACTION TAKEN
 A APPROVED
 D DISAPPROVED
 DE DEAUTHORIZED

9. EST. PERIOD OF IMPLEMENTATION Extension
YRS. 0 0 QTRS 3

10. APPROVED BUDGET AID APPROPRIATED FUNDS (\$000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH. CODE		E. Thru 09-30-76		H. 1st FY 77		K. 2nd FY	
		C GRANT	D LOAN	F GRANT	G LOAN	I GRANT	J LOAN	L GRANT	M LOAN
(1) FN	141 I	953	-	\$1,830	-	\$156	-	-	-
(2)									
(3)									
(4)									
TOTALS				\$1,830	-	\$156	-	-	-

A. APPROPRIATION	N. 3rd FY		O. 4th FY		LIFE OF PROJECT		11. PROJECT FUNDING AUTHORIZED	
	P GRANT	Q LOAN	R GRANT	S LOAN	T GRANT	U LOAN	A GRANT	B. LOAN
(1) FN	-	-	-	-	\$1,986 ¹⁵⁶	-	2	
(2)								
(3)								
(4)								
TOTALS		-	-	-	-	\$1,986 ¹⁵⁶	-	<input type="checkbox"/> 7 <input type="checkbox"/> 7

12. INITIAL PROJECT FUNDING ALLOTMENT REQUESTED (\$000)

A. APPROPRIATION	B. ALLOTMENT REQUEST NO.	
	C GRANT	D LOAN
(1)		
(2)		
(3)		
(4)		
TOTALS		

13. FUNDS RESERVED FOR ALLOTMENT

TYPED NAME (Chief, SER. FM/FSD)
SIGNATURE
DATE

14. SOURCE/ORIGIN OF GOODS AND SERVICES XX 000 941 LOCAL OTHER

15. FOR AMENDMENTS, NATURE OF CHANGE PROPOSED
This amendment will increase the existing approved project (contract AID/ta-C-1103) cost by \$156,000 (for a total cost of \$1,986,000) and extend the project/contract by nine (9) months from March 31 to December 31, 1977 for a total life of three (3) years and nine (9) months for the purposes of utilization of past research results and of facilitating the orderly transition of funding responsibilities to the Latin America Bureau/Mission(s) for any further technical expertise currently being provided in Peru, El Salvador and/or Ecuador.

FOR PPC/PIAS USE ONLY	16. AUTHORIZING OFFICE SYMBOL	17. ACTION DATE	18. ACTION REFERENCE (Optional)	ACTION REFERENCE DATE
		MM DD YY		MM DD YY

PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS

PART II

ENTITY : TA/Bureau
PROJECT : On-Farm Water Management - Utah
PROJECT NUMBER: 931-0489 B

1. I hereby authorize FY 77 grant funds not to exceed \$156,000 (increasing the total contract cost from \$1,830,000 to \$1,986,000) for a nine month extension (from April 1, 1977 to December 31, 1977) of the project - "On-Farm Water Management" with Utah State University (contract #AID/ta-C-1103) for the purposes of utilization of past project research results and of facilitating the orderly transition of funding responsibilities to the LA Bureau/Missions for any further technical expertise currently being provided in Peru, El Salvador, and Ecuador under this TAB funded contract.

2. The final extension and additional funding for utilization of results under this contract are in lieu of continuation of the project by another full three-year contract for research activities on On-Farm Water Management in Latin America. This extension is being made upon request of the affected AID missions in Latin America and has been cleared by the LA Bureau.

3. This project was initially endorsed by RAC in December 1973 and approved for a two year period. It subsequently received approval of the Deputy Administrator for a nine month extension through March 31, 1977 in the Action Memo dated December 11, 1975.

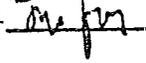


Curtis Farrar
Assistant Administrator
for Technical Assistance

Date: 1/10/77

Clearances:

TA/AGR/SWM:GCorey 
TA/AGR:LHesser 
TA/PPU:JGunning 
TA/RES:MRchcigl 

LA/DR, D. Chaij 
PPC/DPRE, R. Bobel 

References:

1. Project Paper (short form) and PP Facesheet for "On-Farm Water Management"- Utah,
2. Action Memo for the Deputy Administrator dated December 11, 1975.
3. RAC Minutes: Forty-third Meeting, December 1973.