

AID 1350-1 (10-79)

UNITED STATES INTERNATIONAL DEVELOPMENT COOPERATION AGENCY AGENCY FOR INTERNATIONAL DEVELOPMENT

1. Cooperating Country S&T Bureau

Page 1 of 4 Pages

PIO/T

PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES

2. PIO/T No. 936-4087-362/028

3.  Original or Amendment No.

4. Project Activity No. and Title 936-4087 International Water Management Center (IAC Study)

DISTRIBUTION

DS/PO OFFICIAL

5. Appropriation Symbol 72-1121021.3 6. Allotment Symbol and Character DDAA-82-13600-AG11(243-36-099-00-20-21)

7. Obligation Status  Administrative Reservation  Implementing Agreement 8. Project Assistance Completion Date (Mo., Day, Yr.) 9/30/82

9. Authorized Agent AID/W NA 10. The PIO/T is in full compliance with IRO AG Date

11a. Type of Action and Governing AID Handbook  AID Contract (HB 14)  PASA/RSSA (HB 12)  AID Grant (HB 13)  Other 11b. Contract/Grant/PASA/RSSA Reference Number (if this is an Amendment) to be determined

12. Estimated Financing (A detailed budget in support of column (2) is attached as attachment no. 1)

		(1) Previous Total	(2) Increase	(3) Decrease	(4) Total to Date
Maximum AID Financing	A. Dollars	-	\$25,000	-	\$25,000
	B. U.S. Dollar Local Currency				

13. Mission References

14a. Instructions to Authorized Agent This PIO/T authorizes SER/CM/COD/AN to initiate a Specific Support Grant with Technical Advisory Committee, Food and Agriculture Organization of the United Nations (Rome, Italy) for partial support of a "TAC Study on Water Management". This grant will be effective for a twelve (12) month period from October 1, 1981 to September 30, 1982. The total A.I.D. funds, provided herein, for this grant is \$25,000. (See attachment #1 for the Proposed Budget.) These funds will be used in support of expenses for consultants, travel, per diem, communications, secretarial services and supplies relating to the Study. Non-A.I.D. sources (including FAO, TAC, CGIAR Secretariat, World Bank, Ford Foundation and other CGIAR donors) will provide consultants, in-kind services and funds to help support the study.

(continued)

14b. Address of Voucher Paying Office Office of Financial Management Agency for International Development Washington, D.C. 20523

15. Clearances—Include typed name, office symbol, telephone number and date for all clearances.

A. The project officer certifies that the specifications in the statement of work are technically adequate S&T/AGR/R:FWilliams	Phone No. 235-8893 Date 2/22/81	B. The statement of work lies within the purview of the initiating and approved agency programs S&T/AGR/KMcDermott	Date 26 Oct 81
C. S&T/AGR:MMozynski MEM. S&T/AGR:JWalker J.P. Walker	Date 10/27/81 26 Oct 81	D. Funds for the services requested are available FUNDS RECEIVED BY Boris... 11/2/81	
E. S&T/PO:ASilver arl	Date 10/30/81		

16. For the cooperating country. The terms and conditions set forth herein are hereby agreed to

17. For the Agency for International Development

Signature \_\_\_\_\_ Date \_\_\_\_\_

Signature Kenneth Milow Date 10/26/81  
Mr. Kenneth Milow

Title \_\_\_\_\_

Title Chief of the Program Division

1350-1 (0-79)  PIO/T	1. Cooperating Country S&T Bureau	2. PIO/T No. 936-4087-	Page 2 of 4 Pages
	4. Project/Activity No. and Title 936-4087 International Water Management Center - TAC Study		

**SCOPE OF WORK**

18. THE SCOPE OF TECHNICAL SERVICES REQUIRED FOR THIS PROJECT ARE DESCRIBED IN ATTACHMENT NUMBER 2 HERETO ENTITLED "STATEMENT OF WORK".

19. SPECIAL PROVISIONS

- L A.  LANGUAGE REQUIREMENTS (SPECIFY) \_\_\_\_\_  
(IF MARKED, TESTING MUST BE ACCOMPLISHED BY AID TO ASSURE DESIRED LEVEL OF PROFICIENCY)
- L B.  ACCESS TO CLASSIFIED INFORMATION  WILL  WILL NOT BE REQUIRED BY TECHNICIAN(S).
- C.  DUTY POST(S) AND DURATION OF TECHNICIANS' SERVICES AT POST(S) (MONTHS)
- D.  DEPENDENTS  WILL  WILL NOT BE PERMITTED TO ACCOMPANY TECHNICIAN.
- A E.  WAIVER(S) HAVE BEEN APPROVED TO ALLOW THE PURCHASE OF THE FOLLOWING ITEM(S) (COPY OF APPROVED WAIVER IS ATTACHED)
- A F.  COOPERATING COUNTRY ACCEPTANCE OF THIS PROJECT (APPLICABLE TO AID/W PROJECTS ONLY)  
 HAS BEEN OBTAINED  HAS NOT BEEN OBTAINED  
 IS NOT APPLICABLE TO SERVICES REQUIRED BY PIO/T
- NA G.  OTHER (SPECIFY)

20. BACKGROUND INFORMATION (ADDITIONAL INFORMATION USEFUL TO AUTHORIZED AGENT)

21. SUMMARY OF ATTACHMENTS ACCOMPANY THE PIO/T (INDICATE ATTACHMENT NUMBER IN BLANK)

- 1 DETAILED BUDGET IN SUPPORT OF INCREASED FUNDING (BLOCK 12)
- NA  \_\_\_\_\_ EVALUATION CRITERIA FOR COMPETITIVE PROCUREMENT (BLOCK 14)
- NA  \_\_\_\_\_ JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT (BLOCK 14)
- 2 STATEMENT OF WORK (BLOCK 18)
- NA  \_\_\_\_\_ WAIVER(S) (BLOCK 19) (SPECIFY NUMBER)
- x  3 Grantee Proposal/letter dated 8/25/81

2

AID 1350-1 (10-79)	1. Cooperating Country S&T Bureau	2. PIO/T No. 936-4087-	Page 3 of 4 Pages	
	4. Project/Activity No. and Title 936-4087 International Water Management Center - TAC Study			

22. Relationship of Contractor or Participating Agency to Cooperating Country and to AID

A. Relationships and Responsibilities : The A.I.D. Administrator through S&T/AGR to TAC/FAO Rome, Italy

B. FAO Liaison Official : Ralph W. Cummings, Chairman TAC  
812 Rosemont Avenue  
Raleigh, N.C. 27607

C. AID Liaison Officials : Floyd Williams, Project Manager, S&T/AGR/R  
J. Kenneth McDermott, Office Director, S&T/AGR

LOGISTIC SUPPORT

23. Provisions for Logistic Support	IN KIND SUPPLIED BY		FROM LOCAL CURRENCY SUPPLIED BY		TO BE PROVIDED OR ARRANGED BY SUPPLIER
	AID	COOPERATING COUNTRY	AID	COOPERATING COUNTRY	
A. Specific Items (Insert "X" in applicable column as right. If entry needs qualification, insert asterisk and explain below in C. "Comments")					
(1) Office Space					
(2) Office Equipment					
(3) Housing and Utilities					
(4) Furniture					
(5) Household Equipment (Stoves, Refrig., etc.)					
(6) Transportation in Cooperating Country					
(7) Transportation To and From Country					
(8) Interpreter Services/Secretarial					
(9) Medical Facilities					
(10) Vehicles (official)					
(11) Travel Arrangements/Tickets					
(OTHER SPECIFY)					
(12)					
(13)					
(14)					
(15)					

B. Additional Facilities Available From Other Sources

- APO/FPO
  PX
  COMMISSARY  
 OTHER (Specify, e.g., duty free entry, tax exemption)

CONTINUATION SHEET

DEPARTMENT OF STATE  
AGENCY FOR  
INTERNATIONAL DEVELOPMENT

Worksheet  Invoice

PAGE 4 OF 4 PAGES

- PIO/C
- PIO/P
- PIO/T
- PA/PR

1. Cooperating Country  
S&T Bureau

2a. PIO Number  
936-4087-

2b. Amendment  
 Original OR No. \_\_\_\_\_

3. Project Number and Title  
936-4087

International Water Management Center  
(TAC Study)

Indicate block numbers

Use this form to complete the information required in any block of a PIO/P, PIO/T or PA/PR. For PIO/C, furnish the item number, quantity, description/specifications, including catalog stock number and price when available.

The "Statement of Work" for this study is included herein as attachment #2. The grant request submitted by TAC is included herein as Attachment #3.

The approved A.I.D. funding for this Study is \$25,000. The total amount of funds provided for this grant, including this PIO/T, is \$25,000.

Financing should be made to special account "Banca Commerciale Italiana at FAO Headquarters for credit to FAO temporary account number 5545,00".

Article # - Voucher Identification. In each instance of voucher (SF-1034) submission made by the grantee for Payment hereunder, the following identification data will appear on the face of the voucher:

Grant No.: to be determined  
Project No: 936-4087  
Project Office: S&T/AGR/R - F. Williams

## PROPOSED BUDGET

PROJECT TITLE: International Water Management Center - TAC Study

PROJECT NUMBER: 936-4087

GRANT NUMBER: To be determine

Budget Items

## A. A.I.D. Funds/Contribution

Consultants	\$15,000
Travel and Per Diem	9,000
Supplies and Secretarial Services	<u>1,000</u>
Total AID Funds	\$25,000

B. Other Donor Funds  
(including FAO, TAC, CGIAR Secretariat, World Bank and the Ford Foundation)

Consultants	\$43,700
Travel and Per Diem	34,500
Supplies and Secretarial Services	<u>4,000</u>
Total - Donor Funds	\$82,200

## STATEMENT OF WORK

PROJECT TITLE: International Water Management Center -  
(TAC Study)

PROJECT NUMBER: 936-4087

GRANT NUMBER: To be determined

### I. Purpose

The purpose of this study is to do further analysis of irrigation water management to help decide what, if anything, CGIAR should do in this area. The analysis will build on the several previous water management papers; place the problems and opportunities in context; identify those appropriate for CGIAR action, if any; explore the advantages of alternative models for CGIAR action; and recommend a course for CGIAR. The analysis will go to TAC in January and TAC will recommend a course for CGIAR in March 1982.

The study on the basis of available reports (and additional information to be collected), will identify the training and research in irrigation water management now being performed by:

- (a) existing IARCs;
- (b) existing principal water resources research institutes of universities in developing and developed countries;
- (c) existing institutions, such as FAO, UNDP, UNESCO, CEFIGRE and The Netherlands International Land Reclamation Institute; and
- (d) other organizations making significant contributions to training or research.

It will determine the aspects of training and research activities in irrigation water management which are not receiving sufficient attention; which could provide significant improvements in irrigation water management in developing countries; and which might be addressed more effectively through international -- as contrasted to national -- efforts in this area and specify the contents of the research and training programs which might be needed under the various alternative courses of action.

It will formulate alternative courses of action for CGIAR support in this area and indicate the pros and cons of these alternatives such as the following, and to elaborate the specific types of problems which would be addressed in relation to each:

- (a) No involvement from CG -- other than encouragement of international support for irrigation water management.
- (b) Formation of an institute as set forth in TAC's 1980 proposal.
- (c) A model along the lines of an international service, operating in and using the facilities of a limited number of selected irrigation systems in a few host countries.
- (d) Feasibility of existing IARCs undertaking water management in their ecological environments, and the extent to which this might or might not meet the requirements.
- (e) Any other approaches which might be suggested as a result of the study.

It will indicate how the above courses of action would be complimentary to activities of other agencies concerned with this subject.

In the event that no involvement from CG is recommended it will identify present training and research efforts which should be continued or expanded, and suggest new activities or steps which could be undertaken to improve and support irrigation project performance in developing countries.

## II. Work Plan

TAC will identify, recruit and assemble a study team comprised of an agriculturist, engineer and social economist, all experts in irrigation projects and with multi-country experience aided by TAC (which in particular would supply expert knowledge of the CGIAR System and Objectives). The study team will be under the guidance of a Steering Group.

TAC will develop a briefing note compiling various reports and give them to the study team prior to their first meeting. At or prior to the first meeting a schedule will be prepared of visits to various institutions and operating irrigation systems in developing countries to obtain needed information not readily available otherwise.

The study team will make field visits to selected countries and irrigation projects.

The study team will assemble at a convenient central point

following the field visits for discussion and drafting of the final report to TAC. A progress report will be submitted by the study team to the TAC Chairman by January 15, 1982.

The Final Report of the study team will be presented to TAC at the 27th TAC Meeting, March 9-14, 1982. TAC will supply copies of the Report to A.I.D. and other donors.

### III. Output

The study team will submit a progress report to the TAC chairman by January 15, 1982 and a final report of the study team will be presented to TAC at the TAC meeting during March 9-14, 1982.

CONSULTATIVE GROUP ON INTERNATIONAL AGRICULTURAL RESEARCH  
 TECHNICAL ADVISORY COMMITTEE

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Via delle Terme di Caracalla, 00100 Rome, Italy  
 Cables: FOODAGRI ROME - Telex: 610181FOODAGRI  
 Telephone: 5797

Return Address:  
 812 Rosemont Avenue  
 Raleigh, NC 27607  
 25 August 1981

Dr. Floyd Williams  
 TA/AGR (AID)  
 Rm. 411 SA-19  
 Department of State  
 Washington, DC 20523

Dear Floyd:

With further reference to the TAC study on water management, I am pleased to report that we have now recruited the members of the study team. This team will assemble at the FAO headquarters, Rome on October 5 to begin its studies. A meeting of the steering group with the team is being planned for October 15 and 16. I shall be writing you separately about the steering group meeting.

I am writing at this time to request financial support from USAID for the study. As indicated in the ad hoc meeting on the subject on July 20, the cost of the study was estimated in the range of approximately \$100,000, exclusive of the direct input from TAC and its secretariat. I am enclosing a copy of a proposed provisional budget prepared by the TAC Secretariat subsequently and estimated at approximately \$105,000. I would like to request USAID's contribution to this undertaking, hopefully at the level of \$25,000. Others who will be contributing include The World Bank, the Ford Foundation, the UNDP, the Netherlands Government, the Republic of West Germany, etc. Some of the above contributions will be partly in kind and partly in cash.

The funds provided for this study will be held in a special fund in the FAO and disbursed by the TAC secretariat. The exact designation of this fund will be confirmed to you shortly. I hope that we may look forward to a favorable response to this request to your agency at an early date.

Sincerely yours,

*Ralph W. Cummings*  
 Ralph W. Cummings  
 Chairman, TAC

RWC:aa

Enclosure (Provisional Budget)

*Note by Jhr The special account is with "Banca Commerciale Italiana" at FAO Headquarters for credit to =:o temporary account*

Tentative Budget Estimate

Personnel Services (consultants)

1.1	2 weeks for briefing ... etc. ... 4 persons. 10 working days at \$215 honorarium + 60 NAE 10 x \$275 x 4 = 11,000 4 days travel time = <u>960</u>	11,960	)	
1.2	about 4 weeks for miscellaneous travel 24 working days at \$215 + 60 24 x \$275 x 4 = 26,400 8 days travel time 8 x \$60 x 4 = <u>1,920</u>	28,320	)	
1.3	1 week for compilation travel funding 5 days (working days) 5 x 4 x \$275 = 5,500 4 days travel time = <u>960</u>	6,460	)	44,540 14,160 <u>58,700</u>
1.4	2 weeks report writing 10 x \$275 x 4 = 11,000 4 days travel time = <u>960</u>	<u>11,960</u>		
2-	<u>Travel</u>			
2.1	for briefing <u>4 x \$2,500</u>	10,000	)	
2.2	for miscellaneous travel and debriefing 4 x \$5,000	20,000	)	<u>40,000</u>
2.3	for report writing 4 x 2,500	10,000	)	(+ 3,500 attendance TAC 2)
3-	<u>General Operating Expenses</u>			
3.1	Secretarial services	1,000		
3.2	Report printing - photocopying documents	1,000		
3.3	Contingencies	<u>3,000</u>		<u>5,000</u>
Total = <u>103,600</u>				
		Rounded off:	<u>TOTAL</u>	<u>105,000</u>

N.B. 1. Secretariat staff travel not included.

2. Some of the consultant time could be provided "in kind" by interested donors (Ford Foundation, Netherlands, World Bank).

3. Similarly, most of the travel for the Steering Group would be provided by the agencies concerned (TAC, CGLAR Secretariat, World Bank, Ford Foundation, USAID, FAO, etc.).