

PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES

Cooperating Country: Philippines

2. PID/T No.: 492-234-3-30063

3. Original or Amendment No.:

4. Project Activity No. and Title: 492-11-180-234 Inland Fisheries 2p

5. Appropriation Symbol: 72-1131004

6.A. Allotment Symbol and Charge: 354-50-492-00-31

6.B. Funds Allotted to: A.I.D./W Mission

7. Obligation Status: **Implementing Document**

Administrative Reservation Subobligation

8. Funding Period (Mo., Day, Yr.): From **7/1/73** to **6/30/74**

9.A. Service to Start (Mo., Day, Yr.): **STARTING BEGINNING** **July 1, 1973**

9.B. Completion date of Services (Mo., Day, Yr.):

10.A. Type of Action: A.I.D. Contract Cooperating Country Contract Participating Agency Service Agreement

10.B. Authorized Agent: **AID/Washington**

Estimated Financing		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
11.	Maximum A.I.D. Financing		95,000		95,000
12.	Cooperating Country Contributions				

13. Mission Reference:

14. Instructions to Authorized Agent:

Extend contract AID/ea-180 with Auburn University for the third and last year envisioned at the beginning of the inland fisheries project. An illustrative budget is provided on page and is intended to cover two full time and approximately 4 man-months of short-term consultants as agreed and/or requested by the USAID.

The scope of work is unchanged.

15. Clearances - Show Office Symbol, Signature and Date for all necessary clearances.

A. The specifications in the scope of work are technically adequate

B. Funds for the services requested are available

C. The scope of work lies within the purview of the initiating office and approved Agency Programs

D.

Project Manager: *Frank W. Sheppard Jr.*

Controller: *James P. Loney*

AD/AD: *R. Ducharme*

Executive Officer: *Frank H. Denton*

Program Office: *Frank H. Denton*

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

Signature and date: *B. G. VILLAVICENCIO*

Title: Director of Foreign Aid Coordination

17. For the Agency for International Development

Signature: *Frank H. Denton*

Title: Program Office

18. Date of signature: **Dec. 27, 1972**

/OFAC: CPPB/MSS: Sr. DFC-AGR/JTH: *[Signature]*

ESTIMATED BUDGET

Salaries (Field Staff and Consultants)	\$45,000
Home Office (field trips)	2,600
Allowances	7,000
Fringe Benefits	6,000
Travel and Transportation	14,000
Other Direct Costs	5,000
Overhead	<u>15,400</u>
TOTAL	<u>\$95,000</u>

Under the terms of the Economic and Technical Cooperation Agreement signed April 27, 1951, and the Standard Provisions Foreign Currency Standard Provisions annexes attached, it is agreed to carry out a project in accordance with the terms set forth herein.

PROJECT NO. **491-11-180-234** 2. ORIGINAL 3. REVISION NO.
 PROJECT TITLE: **Inland Fisheries** AGREEMENT NO.: **73-07**

6. AID FOR A SPECIFIC RESEARCH AND EXPLANATION
 7. ALLOTMENT: **354-50-492-00-69-31**

8. AID PLANS	9. REV. CUR. TOTAL (A)	10. INCREASE (B)	11. DECREASE (C)	12. TOTAL TO DATE (D)
a. PERSONNEL COSTS				
b. PARTICIPANTS		95,000		95,000
c. EQUIPMENT	30,000			30,000
d. OTHER COSTS		15,000		15,000
e. TOTAL (TOTAL)	30,000	110,000		140,000
13. REFERENCES AND REMARKS:				

This revision provides funding for P/O/T 492-234-3-30063, P/O/C 492-234-0-30062 and P/O/C 492-234-0-30061.

CLEARANCES
 USAID: *[Signature]*
 Project Manager: *[Signature]*
 Director: *[Signature]*

14. DATE OF ORIGINAL AGREEMENT: **AUGUST 6, 1972**
 15. DATE OF THIS REVISION: **December 27, 1972**
 16. EST. FINAL CONTRIBUTION DATE: **June 30, 1974**
 17. GOVERNMENT OF THE PHILIPPINES: **JERARD P. SIGAT**
 18. AGENCY FOR INTERNATIONAL DEVELOPMENT: **Thomas C. Niblock**
 Officer in Charge, NECA
 Director

W A I V E R

DATE : December 27, 1972

NO. : 492-11-160-234

PROJECT: Maland Fisheries

In accordance with the provisions of E.O. 112.4 T.I.A.3.a.,
I hereby authorize the obligation of \$6,804.00 without
accompanying implementation documents.

The PKO(s) covering an estimated \$6,804.00 will be
issued by June 27, 1973.


Director, USAID/Philippines

Clearances:
Program [initials]
Division [initials]
Controller [initials]
Logistics [initials]

RDAS
INTERNATIONAL
TRUST
OFFICE

DEPARTMENT OF HEALTH
BUREAU OF FISHERIES
THE NATIONAL ECONOMIC COUNCIL
AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES

1. Agency/Activity No. 492-11-180-234	PAGE 2 OF 7 PAGES
2. Agreement No.	3. <input type="checkbox"/> Original or Revision No. 1
3. Project/Activity Title 492-11-180-234 Inland Fisheries	

I. Background

In the Philippines fish is the principal source of animal protein. However, production is inadequate notwithstanding the fact that the inland and marine waters of the archipelago are richly endowed with aquatic life. Fish has been selected as a principal source of protein to receive production emphasis in the present "Agricultural Four-Year Development Plan".

II. Description and Purpose

This project is designed to support the GOP's agricultural development goal of raising fish production by an annual increment of 5.8 percent compared to the 3.8 percent average of the past few years by assisting in the development of the Philippine fish culture industry.

The project is to assist the GOP in the attainment of the fish self-sufficiency goal including the development of Philippine fish products for export. The focus of this program is on inland fisheries, i.e., freshwater and brackishwater aquaculture of fish and other aquatic products in ponds.

A Freshwater Fish Culture Station is under construction on the campus of Central Luzon State University, Muñoz, Nueva Ecija. Scheduled completion date for the first 60 ponds is December, 1972. Research will be underway in a total of 60 ponds by early 1973.

A Brackishwater Fish Culture Station is being constructed at Leganes, Iloilo. The station is scheduled for completion in mid-1973. Some ponds are expected to be available for beginning research in January, 1973.

These stations will provide the physical facilities to carry out the research and develop the technology necessary to substantially, consistently, and economically increase the yield per pond hectare, and develop and teach modern methods of fishpond management and technology to extension workers, research trainees, and fish farmers, in order to disseminate the information developed as required to

For the Cooperating Government or Agency		For the Agency for International Development	
SIGNATURE: _____	DATE: _____	SIGNATURE: _____	DATE: _____
TITLE: _____		TITLE: _____	

PERSONS
ACQUAINTANCE
SERIES
ORDER

SECRETARY GENERAL
OFFICE

THE NATIONAL ECONOMIC COUNCIL

AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES

1. Identification No.
492-11-180-234

PAGE 3 OF 7 PAGES

2. Agreement No.

3. Original or
Revision No. 1

3. Project/Activity Title

492-11-180-234 Inland Fisheries

effect significant increases in fish production.

III. Designation and Implementation

A. Designation

An NSDB Fish Culture Technical Committee advises the NSDB Chairman on matters pertaining to scientific and technical aspects of the project. The Committee is responsible for coordinating the implementation of the project, including the activities of the agencies participating in the accomplishment of the overall objectives. The University of the Philippines through the Dean of the College of Fisheries (UPCF), who serves as Project Director, is responsible for the operation and administration of the project. The Director of the **Institute of Fisheries**, Development and Research, UPCF, serves as Assistant Project Director, and is responsible for those aspects of the daily administration of the program as delegated to him by the Project Director.

The Assistant Director for Agricultural Development serves as the USAID Project Manager. He is responsible for providing liaison with the GOP and overall coordination of USAID resource inputs.

B. Implementation

Under the technical guidance of Auburn University contract advisors the Project Director will undertake research, training and extension in fish culture activities as follows:

1. Research - Through the stations and in cooperation with private operators will develop or determine:
 - a. Improved technology in the culture and production of fishery products for domestic consumption and for export, including: (1) Fishes: milkfish, carp, catfish, tilapia, mullet and other species; and (2) Invertebrates: shrimp, crab, mollusk, (oyster, mussel, clam), and others.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

THE NATIONAL ECONOMIC COUNCIL

OFFICE OF THE GOVERNMENT OF THE PHILIPPINES

492-11-180-234

Agreement No.

PAGE 14 OF 17 PAGES

Signature Revision No. 1

3. Project/Activity Title

492-11-180-234 Inland Fisheries

- b. Feeds and fertilizers from locally-available materials.
 - c. Parasite and disease control techniques.
 - d. Breeding techniques for various species of milkfish, mullet, and others.
 - e. Optimum fishpond construction and management techniques.
2. Training - Attention will be focused on the development of fisheries personnel, especially scientists, extension workers and fish farmers through training, experience and demonstration at the aquaculture centers and participant training in the U.S.
- a. During the three-year first phase of the program it is planned to send a minimum of 12 Filipino scientists to Auburn University for graduate study in aquaculture, including practical training at commercial fishponds. Upon completion of their training they will return to the Philippines to serve as scientists at the research stations. Eight participants are currently in training at Auburn, and an additional four will begin training in September 1972.
 - b. The professional staff of the Inland Fisheries Project in cooperation with the technical staff of the Philippine Fisheries Commission (PFC) will conduct intensive training courses for extension personnel in pond construction and in research-proven and production-oriented techniques. In addition, commercial pond operators and fish farmers will be invited periodically to attend fish culture courses or seminars at the stations. Generally, the technical capabilities of all personnel at the stations will be promoted through their participation in the planning and conduct of research and training activities.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

1974
TECHNICAL
REPORT
DATE

THE NATIONAL ECONOMIC COUNCIL

AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES

1. Project/Activity No.
492-11-180234

Page 5 of 7 pages

2. Agreement No.

3. Original or

Revision No. 1

3. Project/Activity Title

492-11-180-234 Inland Fisheries

3. Extension - The PFC will be responsible for disseminating the results of research and experience at the aquaculture stations, the demonstration farms of the PFC, and in cooperation with fishpond operators located throughout the country. In this way, wider and more rapid dissemination and utilization of scientific information will be effected. In addition, extension workers of the PFC, trained at the stations, will be fielded to advise commercial fishpond operators and fish farmers.

NOTE: While construction is continuing at the station sites, research, training and extension activities have been in progress at other locations. Sixteen individual research/demonstration projects (80 ponds totalling 32.9 ha) have been initiated in public and private sector ponds.

It is anticipated, based on results of the research completed and in progress in the private sector, that annual fishpond yields can be tripled with only moderate increases in inputs. These results are being validated by further trials. In any event the potential for increasing production is tremendous, which may lead to marketing problems by the end of 1974. This probability is accentuated by the already inadequate marketing situation that has experienced little change over many years. A short-term consultant under the Auburn University Contract will be brought in for 60 days to study the marketing situation.

IV. Funding

- A. The USAID under the terms of this agreement has ~~and~~ will provide funding for the following:
1. Personnel - Two full-time and approximately 4 MM of short-term advisors under the contract with Auburn University.
 2. Participants - Four in aquaculture; two specializing in hatchery operations and two in fish nutrition.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

PD/10-000 10-10-72 FOR IAG CONTINUATION SHEET NUMBER _____	PROJECT AGENCY OF THE PHILIPPINE AND AID THE NATIONAL ECONOMIC COUNCIL AN AGENCY OF THE GOVERNMENT OF THE PHILIPPINES	1. Project/Activity No. 492-11-180234	PAGE 6 OF 7 PAGES
		2. Agreement No.	3. <input type="checkbox"/> Original or Revision No. 1
		3. Project/Activity Title 492-11-180-234 Inland Fisheries	

3. Commodities - Laboratory, operational and maintenance equipment for the two aquaculture stations.

B. The GOP through the NSDB and other agencies is financing the construction of the two research stations and providing other financial support.

In addition the GOP is providing: (1) local support for the Auburn contract consultants, similar to that provided to the USAID US direct-hire employees from the NEC/USAID "Type B" trust fund budget and the international travel of participants Trust Fund "Type A".

V. Reporting and Evaluation

The GOP Project Director is submitting semi-annually to the NSDB a report outlining:

- A. The substantive research and training programs and their progress;
- B. The financial status of the program;
- C. The administration of the program and any recommendations which would lead to the more efficient and productive operation of the stations.

The first comprehensive report covering the period March 8, 1971 through June 30, 1972 was issued in August, 1972. This report covered the research projects completed, those in progress, the training program (US and local), the proposed research and extension plans for July through December 1972, and progress on the construction of the two stations.

For the Cooperating Government or Agency SIGNATURE: _____ DATE: _____ TITLE: _____	For the Agency for International Development SIGNATURE: _____ DATE: _____ TITLE: _____
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USAID
CONTRIBUTION
SHEET
ORIGIN

DEPARTMENT OF AGRICULTURE
SECRETARIAT
THE NATIONAL ECONOMIC COUNCIL
AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES

1. Program/Activity No. 492-11-180-234	PAGE 7 OF 7 PAGES
2. Agreement No.	3. <input type="checkbox"/> Original or Revision No. 1
5. Project/Activity Title 492-11-180-234 Inland Fisheries	

VI. Special Provisions

- A. The GOP is providing adequate professional and supporting staff required to effectively and efficiently operate the stations and carry out the training and extension necessary to accomplish the objectives of the project.
- B. The GOP agrees to provide continuing adequate budget support to stations upon termination of the USAID support to ensure the continuity and efficient operation of the research and training stations.
- C. In addition to the terms and conditions of the Agreement as stated herein, the National Science Development Board, and the University of the Philippines signed a Memorandum of Agreement (MOA dated March 8, 1971) which specified in detail the operational relationships and responsibilities of the various participants in the establishment and operation of the Inland Fisheries Project.

This MOA, as may be amended, is considered as the operating guide for the implementation of the project.

For the Cooperating Government or Agency	For the Agency for International Development
SIGNATURE: _____ DATE: _____	SIGNATURE: _____ DATE: _____
TITLE: _____	TITLE: _____

PRO AG
USAID/P

PROJECT AGREEMENT
BETWEEN THE DEPARTMENT OF STATE, AGENCY FOR INTERNATIONAL DEVELOPMENT (AID)
AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND
THE NATIONAL ECONOMIC COUNCIL (NEC)
AN AGENCY OF THE GOVERNMENT OF THE PHILIPPINES

Under the terms of the Economic and Technical Cooperation Agreement signed April 27, 1951, and the Standard Provisions Foreign Currency Standard Provisions annexes attached, it is agreed to carry out a project in accordance with the terms set forth herein. 7p

1. PROJECT NO. 492-11-180-234	2. ORIGINAL <input type="checkbox"/>	3. REVISION NO. <input checked="" type="checkbox"/>
4. PROJECT TITLE: Inland Fisheries		AGREEMENT NO.: 72-07

5. ANNEX A PROJECT DESCRIPTION AND EXPLANATION

6. APPROPRIATION: 72-1121004	7. ALLOTMENT: 254-50-492-00-69-21
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8. AID FINANCING	PREVIOUS TOTAL (A)	INCREASE (B)	DECREASE (C)	TOTAL TO DATE (D)
a. PERSONNEL COSTS <u>PASA</u>				
Contract	83,000			83,000
b. PARTICIPANTS				
c. COMMODITIES	19,268	63,183		82,451
d. OTHER COSTS <u>AID Direct</u>				
Contract				
e. TOTAL (Dollars)	102,268	63,183		165,451
f. US OWNED (Pesos)				
9. GOP FINANCING \$1.00 in Pesos				
a. COUNTERPART				
Trust Fund -- "A"				
-- "B"				
Special				
Other				
TOTAL (Pesos)				
b. OTHER		1,147,608		1,147,608

10. REFERENCES AND REMARKS:
The combined total of local currency funding for the first year for the two fish research stations is shown in the attached budgets.

CLEARANCES

GOP:		USAID: <i>JTB</i> Project Manager	<i>Henry L. Robinson</i> Controller <i>mb</i> Other
		Program Officer <i>JTB</i>	

11. DATE OF ORIGINAL AGREEMENT November 15, 1971	12. DATE OF THIS REVISION May 23, 1972	13. EST FINAL CONTRIBUTION DATE June 30, 1974
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14. GOVERNMENT OF THE PHILIPPINES Signature: <i>R. G. Villavicencio</i> Title: Director of Foreign Aid Coordi-	15. AGENCY FOR INTERNATIONAL DEVELOPMENT Signature: <i>Robert W. Toney</i> Title: Director, USAID
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NEC/OFAC:
CDFC/MSS
Sr. DPC-AGP
JTH

**PROJECT AGREEMENT
BETWEEN AID AND**

THE NATIONAL ECONOMIC COUNCIL

**AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES**

1. Project/Activity No.
492-11-180-234

2. Agreement No.
72-07

3. Project/Activity Title

Inland Fisheries

3. Original or
Division No. 1

I. Background and Description

In the Philippines fish is the principal source of animal protein. However, production is inadequate, notwithstanding the fact that the inland and marine waters of the archipelago are richly endowed with aquatic life. Priorities have been determined in the present "Agricultural Four-Year Development Plan" and fish has been selected as a principal protein source to receive production emphasis. Self-sufficiency in fish production, through development and improvement of inland fisheries, and more specifically, fish culture activities, is the target set for achievement by mid-1973.

This project is designed to support the GOP's agricultural development goal of raising fish production by an annual increment of 5.8 percent compared to the 3.8 percent average of the past few years by assisting in the development of the Philippine fish culture industry.

II. Purpose and Outputs

The purpose of this project is to assist the GOP in the attainment of the fish self-sufficiency goal and also to assist in the development of Philippine fish products for export. The focus of this program is on inland fisheries, i.e., freshwater and brackishwater aquaculture of fish and other aquatic products in ponds.

A Freshwater Fish Culture Station will be established on the campus of Central Luzon State University, Muñoz, Nueva Ecija, and a Brackishwater Fish Culture Station will be located in Leganes, Iloilo Province.

These stations will provide the facilities to carry out the research and develop the technology necessary to substantially, consistently, and economically increase the yield per pond hectare.

A second and equally important objective of these stations is to develop and teach modern methods of fishpond management and technology to extension workers, research trainees, and fish farmers in order to disseminate the knowledge necessary to effect significant increases in fish production.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

PROJECT AGREEMENT BETWEEN AID AND THE NATIONAL ECONOMIC COUNCIL AN AGENCY OF THE GOVERNMENT OF THE PHILIPPINES	1. Project/Activity No. 492-11-180-234	PAGE <u>3</u> OF <u>7</u> PAGES
	2. Agreement No. 72-07	3. <input type="checkbox"/> Original or Revision No. <u>1</u>
	3. Project/Activity Title Inland Fisheries	

III. Designation and Implementation

A. Designation

An NSDB Fish Culture Technical Committee advises the NSDB Chairman on matters pertaining to scientific and technical aspects of the project. The Committee is responsible for coordinating the implementation of the project, including the activities of the agencies participating in the accomplishment of the overall objectives. The University of the Philippines through the Dean of the College of Fisheries (UPCF) who serves as Project Director, is responsible for the operation and administration of the project. The Project Director will be assisted by the Director of the Institute of Fishing Development and Research, UPCF, as Assistant Project Director, who will be responsible for such aspects of the daily administration of the program as may be delegated to him by the Project Director.

The Deputy Assistant Director, AD/AD serves as the U.S. Project Manager. He is responsible for providing liaison with the GOP and overall coordination of USAID resource inputs. Technical assistance is provided through contract with Auburn University.

B. Implementation

The project will undertake research, training and extension in fish culture activities.

1. Research - The stations will develop or determine:

- a. Improved technology in the culture and production of fishery products for domestic consumption and for export, including: (1) Fishes: milkfish, carps, catfish, tilapia, mullets and other species; and (2) Invertebrates: prawns, shrimps, crabs, mollusks, (oyster, mussel, clam), and others.
- b. Feeds and fertilizers from locally-available materials.
- c. Parasite and disease control techniques.

For the Cooperating Government or Agency SIGNATURE: _____ DATE: _____ TITLE: _____	For the Agency for International Development SIGNATURE: _____ DATE: _____ TITLE: _____
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**PROJECT AGREEMENT
BETWEEN AID AND
THE NATIONAL ECONOMIC COUNCIL
AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES**

1. Project/Activity No.
492-11-180-234

PAGE 4 OF 7 PAGES

2. Agreement No.

3. Original or
Revision No. 1

3. Project/Activity Title

Inland Fisheries

- d. Breeding techniques for various species of prawns and shrimps, oysters, milkfish, mullets, and others.
 - e. Optimum fishpond construction and management techniques.
 - f. Efficient storage and marketing procedures for fresh, semi-processed and processed fish products.
 - g. The economics of various fishery products.
2. Training - Attention will be focused on the development of trained fisheries personnel especially fisheries scientists, extension workers and fish farmers through participant training in the US and training and demonstration at the aquaculture centers.
- a. During the three-year program, it is planned that a minimum of 12 Filipino scientists will be sent to Auburn University, or other suitable American universities, for graduate study in aquaculture, including practical training at commercial fishponds. Upon completion of their overseas training they will return to the Philippines to serve as scientists at the research stations. Three participants are currently in training at Auburn, and four participants will be funded in FY 1973.
 - b. The professional staff of the Inland Fisheries Project in cooperation with the technical staff of the Philippine Fisheries Commission (PFC) will conduct intensive training courses for extension personnel in pond construction and in research-proven and production-oriented techniques. In addition, commercial pond operators and fish farmers will periodically be invited to attend fish culture courses or seminars at the stations. Generally, the technical capabilities of all personnel at the station will be promoted through their participation in the planning and conduct of research and training activities.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

**PROJECT AGREEMENT
BETWEEN AID AND**

THE NATIONAL ECONOMIC COUNCIL

**AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES**

1. Project/Activity No.
492-11-180-234

2. Agreement No.

PAGE 5 OF 8 PAGES

3. Original or
Revision No. 1

3. Project/Activity Title

Inland Fisheries

3. Extension - The PFC will be responsible for disseminating the results of research and experience at the aquaculture stations, the demonstration farms of the PFC, and in cooperation with fishpond operators located throughout the country. In this way, wider and more rapid dissemination and utilization of scientific information will be effected. In addition, extension workers of the PFC, trained at the stations, will be fielded to advise commercial fishpond operators and fish farmers.

IV. Funding

A. The USAID under the terms of this Agreement has or will provide funding for the following:

1. Personnel - Two full-time and short-term advisors under the contract with Auburn University.

2. Commodities - Laboratory, operational and maintenance equipment for the two aquaculture stations.

B. The GOP through the NSDB (and others) will finance the construction of the two research stations and provide other financial support as shown in the budgets attached.

In addition the GOP will provide: (1) local support for the Auburn scientists similar to that provided to the USAID direct-hire American employees from the NEC/USAID "Type B" trust fund budget.

V. Reporting and Evaluation

The GOP Project Director shall submit to the NSDB semi-annually a report outlining:

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

**PROJECT AGREEMENT
BETWEEN AID AND
THE NATIONAL ECONOMIC COUNCIL**

**AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES**

1. Project/Activity No.
492-11-180-234

2. Agreement No.
72-07

3. Project/Activity Title

Inland Fisheries

3. Original or
Revision No. 1

- A. The substantive research and training programs and their progress;
- B. The financial status of the program;
- C. The administration of the program and any recommendations which would lead to the more efficient and productive operation of the stations.

The end of year report which shall be due by July 31, 1972 will cover the above information and include:

- D. The research and training program for the next operational year; and
- E. The operating budget for the next operational year.

VI. Special Provisions

- A. The GOP will provide adequate professional and supporting staff required to effectively and efficiently operate the stations and carry out the training and extension necessary to accomplish the objectives of the project.
- B. The Government of the Philippines agrees to provide continuing adequate budget support to the stations upon termination of the USAID support to ensure the continuity and efficient operation of the research and training stations. During the three-year period of the program, or anytime thereafter, this Agreement does not preclude the GOP from soliciting and accepting assistance from other local or foreign agencies.
- C. In addition to the terms and conditions of the Agreement as stated herein, the National Science Development Board, and the University of the Philippines signed a Memorandum of

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

**PROJECT AGREEMENT
BETWEEN AID AND
THE NATIONAL ECONOMIC COUNCIL**

**AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES**

1. Project/Activity No.
492-11-180-234

2. Agreement No. 72-07

3. Original or
Revision No. 1

3. Project/Activity Title
Inland Fisheries

Agreement (MOA dated March 8, 1971, which specified in detail the operational relationships and responsibilities of the various participants in the establishment and operation of the Inland Fisheries project.

This MOA, as may be amended, is considered as the operating guide for the implementation of the project.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____
TITLE: _____

SIGNATURE: _____ DATE: _____
TITLE: _____

PRO AG
USAID/P

PROJECT AGREEMENT
BETWEEN THE DEPARTMENT OF STATE, AGENCY FOR INTERNATIONAL DEVELOPMENT (AID)
AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND
THE NATIONAL ECONOMIC COUNCIL (NEC)
AN AGENCY OF THE GOVERNMENT OF THE PHILIPPINES

Under the terms of the Economic and Technical Cooperation Agreement signed April 27, 1951, and the Standard Provisions Foreign Currency Standard Provisions annexes attached, it is agreed to carry out a project in accordance with the terms set forth herein.

1. PROJECT NO. 492-11-180-234 2. ORIGINAL 3. REVISION NO.

4. PROJECT TITLE: Inland Fisheries AGREEMENT NO.: 72-07

5. ANNEX A PROJECT DESCRIPTION AND EXPLANATION

6. APPROPRIATION: 72-1121004 7. ALLOTMENT: 254-50-492-00-69-21

AID FINANCING	PREVIOUS TOTAL (A)	INCREASE (B)	DECREASE (C)	TOTAL TO DATE (D)
a. PERSONNEL COSTS				
PASA				
Contract		83,000		83,000
b. PARTICIPANTS				
c. COMMODITIES		19,268		19,268
d. OTHER COSTS				
AID Direct				
Contract				
e. TOTAL (Dollars)		102,268		102,268
f. US OWNED (Pesos)				
g. GOP FINANCING \$1.00 = Pesos				
h. COUNTERPART				
Trust Fund -- "A"				
-- "B"				
Special				
Other				
TOTAL (Pesos)				
i. OTHER				

10. REFERENCES AND REMARKS: Essentially a two-year project was described in the FY71 ProAg, the actual work is just beginning; therefore, the narrative contained in the FY71 ProAg serves as the description of activities to be carried out during FY72. This agreement provides funding for the second year of contract services, and for additional commodities for the establishment of the fish ponds and related laboratories.
Ref.: PIO/T 20045 and PIO/C 20046

CLEARANCES

GOP: _____

USAID: *[Signature]* Project Manager *[Signature]* Controller *[Signature]* Other *[Signature]*

Program Officer *[Signature]*

11. DATE OF ORIGINAL AGREEMENT November 15, 1971 12. DATE OF THIS REVISION November 15, 1971 13. EST. FINAL CONTRIBUTION DATE June 30, 1974

14. GOVERNMENT OF THE PHILIPPINES Signature: *[Signature]* B. G. VILLAVICENCIO Title: Director of Foreign Aid Coordination

15. AGENCY FOR INTERNATIONAL DEVELOPMENT Signature: *[Signature]* Title: Director, USAID

NEC/OFAC
CDPC/MSS
DPC-AGR
JTH

PRO AG
USAID/P

PROJECT AGREEMENT
BETWEEN THE DEPARTMENT OF STATE, AGENCY FOR INTERNATIONAL DEVELOPMENT (AID)
AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND
THE NATIONAL ECONOMIC COUNCIL (NEC)
AN AGENCY OF THE GOVERNMENT OF THE PHILIPPINES

Under the terms of the Economic and Technical Cooperation Agreement signed April 27, 1951, and the Standard Provisions Foreign Currency Standard Provisions annexes attached, it is agreed to carry out a project in accordance with the terms set forth herein. 10p

1. PROJECT NO. 492-11-180-234	2. ORIGINAL <input checked="" type="checkbox"/>	3. REVISION NO. <input type="checkbox"/>
4. PROJECT TITLE: Inland Fisheries	AGREEMENT NO.: 73-07	

5. ANNEX A PROJECT DESCRIPTION AND EXPLANATION

6. APPROPRIATION: 72-1131004	7. ALLOTMENT: 354-50-492-00-69-31
---------------------------------	--------------------------------------

B. AID FINANCING	PREVIOUS TOTAL (A)	INCREASE (B)	DECREASE (C)	TOTAL TO DATE (D)
a. PERSONNEL COSTS PASA Contract				
b. PARTICIPANTS		30,000		30,000
c. COMMODITIES				
d. OTHER COSTS AID Direct Contract				
e. TOTAL (Dollars)		30,000		30,000
f. US OWNED (Pesos)				
5. GOP FINANCING \$1.00 = Pesos				
a. COUNTERPART Trust Fund - "A" - "B" Special Other TOTAL (Pesos)				
b. OTHER				

10. REFERENCES AND REMARKS:
This document provides funding for four participants to be trained in Aquaculture with emphasis on Nutrition and Fish Hatchery Operation. <
Ref.: PIO/P 1-30006 and 1- 30007.

CLEARANCES

G O P :	USAID: <i>F. Sheppard</i> Project Manager	<i>Brown Robinson</i> Controller
	<i>John Denton</i> Program Officer	<i>my</i> Other

11. DATE OF ORIGINAL AGREEMENT August 8, 1972	12. DATE OF THIS REVISION -	13. EST FINAL CONTRIBUTION DATE June 30, 1974
--	--------------------------------	--

14. GOVERNMENT OF THE PHILIPPINES Signature: <i>B. G. Villaverde</i> Title: Director of Foreign Aid Coordination	15. AGENCY FOR INTERNATIONAL DEVELOPMENT Signature: <i>Thomas C. Niblock</i> Title: Thomas C. Niblock, Director
--	---

DDO/OFAC:
GPP/AMSS:
Sr. DDC FOR
THE: *SM*

PROJECT AGREEMENT
 BETWEEN THE DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT (AID)
 AN AGENCY OF THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AND
THE NATIONAL ECONOMIC COUNCIL

PRO AG

FY 1971

AN AGENCY OF THE GOVERNMENT OF THE PHILIPPINES

The above-named parties hereby mutually agree to carry out a project in accordance with the terms set forth herein and the terms set forth in any annexes attached hereto, as checked below:		1. PROJECT/ACTIVITY NO. 492-11-180-234		PAGE 1 OF 9 PAGES	
<input type="checkbox"/> PROJECT DESCRIPTION ANNEX A <input type="checkbox"/> FOREIGN CURRENCY STANDARD PROVISIONS ANNEX <input checked="" type="checkbox"/> STANDARD PROVISIONS ANNEX <input type="checkbox"/> SPECIAL LOAN PROVISIONS ANNEX		2. AGREEMENT NO.		3. <input checked="" type="checkbox"/> ORIGINAL OR REVISION NO. _____	
This Project Agreement is further subject to the terms of the following agreement between the two governments, as modified and supplemented:		4. PROJECT/ACTIVITY TITLE Inland Fisheries			
<input type="checkbox"/> GENERAL AGREEMENT FOR TECHNICAL COOPERATION DATE _____ <input checked="" type="checkbox"/> ECONOMIC COOPERATION AGREEMENT DATE 4/27/51 <input type="checkbox"/> (Other) DATE _____		5. PROJECT DESCRIPTION AND EXPLANATION (See Annex A attached)			
6. AID APPROPRIATION SYMBOL 72-1111004		7. AID ALLOTMENT SYMBOL 154-50-492-00-69-12			
8. AID FINANCING <input checked="" type="checkbox"/> DOLLARS <input type="checkbox"/> LOCAL CURRENCY		9. PREVIOUS TOTAL (A)		INCREASE (B)	
				DECREASE (C)	
				TOTAL TO DATE (D)	
(a) Total				122,500	
(b) Contract Services				82,500	
(c) Commodities				16,000	
Participances (d) REVENUES				24,000	
10. COOPERATING AGENCY FINANCING - DOLLAR EQUIVALENT \$1.00 = ₱6.44					
(a) Total				1,331,060	
(b) Technical and other Services					
(c) Commodities					
Capital & Operating (d) REVENUES				1,331,060	
10. SPECIAL PROVISIONS (Use Additional Continuation Sheets, if Necessary)					
11. DATE OF ORIGINAL AGREEMENT March 1, 1971		12. DATE OF THIS REVISION -		13. ESTIMATED FINAL CONTRIBUTION DATE June 30, 1974	
14. FOR THE COOPERATING GOVERNMENT OR AGENCY			15. FOR THE AGENCY FOR INTERNATIONAL DEVELOPMENT		
SIGNATURE: <i>Gerardo Bicutan</i> DATE: <i>April 1, 1971</i> TITLE: Gerardo Bicutan, Chairman, NEC			SIGNATURE: <i>Thomas C. Niblock</i> DATE: _____ TITLE: Thomas C. Niblock, Director		

FWSheppard,
Rural Dev.

GS Johnson
Controller

REGaul,
Program

Florencio Medina, Chairman
National Science Development Board

PROAG
CONTINUATION
SHEET

ANNEX _____

PROJECT AGREEMENT

BETWEEN AID AND

THE NATIONAL ECONOMIC COUNCIL

**AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES**

No. Project/Activity No.
492-11-180-234

PAGE **2** OF **9** PAGES

2. Agreement No.

3. Original or

Revision No.

3. Project/Activity Title

Inland Fisheries

I. Project Description

In the Philippines rice is the principal staple; fish is the principal source of animal protein. The chronic problem of rice deficiency has, in the past few years, been solved by the government through its rice program supported by pioneering international and national research. Fish as a principal source of protein is still in insufficient supply, notwithstanding the fact that the Philippines is an archipelago endowed with rich inland and marine waters. Priorities have been determined in the present "Agricultural Four-Year Development Plan" and fish has been selected as a principal protein source to receive production emphasis. Self-sufficiency in fish production, through development and improvement of inland fisheries, and, more specifically, fish cultural activities, is the target set for achievement by mid-1973.

In support of the GOP's agricultural development plan, a three-year bilateral project called the "Inland Fisheries Project" has been programmed to assist in the development of the Philippine fish culture industry. The purpose of this project is to assist in the attainment of the fish self-sufficiency goal and also to assist in the development of Philippine fishery products for exports. The focus of this program is on the brackishwater and freshwater culture of fish and other aquatic products in ponds.

The Inland Fisheries Project will establish a Freshwater Fish Culture Station and a Brackishwater Fish Culture Station to provide the research necessary to substantially and consistently, year after year, increase the yield per pond hectare and to develop technology for economical fish production.

The second and equally important objective of these stations will be to develop and teach modern methods of fishpond management and technology to extension workers, research trainees, and fish farmers in order to disseminate the knowledge necessary to effect significant increases in fish production.

The Freshwater Fish Culture Station will be located on the Campus of Central Luzon State University, Munoz, Nueva Ecija.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

PROJECT AGREEMENT
BETWEEN AND AND

THE NATIONAL ECONOMIC COUNCIL

AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES

1. Project/Activity No.
492-11-180-234

PAGE 3 OF 9 PAGES

2. Agreement No.

1. Original or
Revision No. _____

2. Project/Activity Title
Inland Fisheries

The Brackishwater Fish Culture Station will be located in Leganes, Iloilo Province. Both sites are well suited, technically and geographically, for the establishment of the research, training, and extension facilities.

II. Project Objectives

The project will undertake research, training and extension in fishcultural activities with the purpose of increasing fishpond production in the Philippines:

A. Research Objectives - The stations will develop or determine:

1. Improved technology in the culture and production of fishery products for domestic consumption and for export including: (a) Fishes: milkfish, carps, catfish, tilapia, mullets and other species; (b) Invertebrates: prawns, shrimps, crabs, mollusks, (oyster, mussel, clam) and others.
2. Cheap feeds and fertilizers from locally-available materials.
3. Parasite and disease control techniques.
4. Breeding techniques for various species of prawns and shrimps, oysters, milkfish, mullets and others.
5. Optimum fishpond construction and management techniques.
6. Efficient storage and marketing procedures for fresh, semi-processed and processed fish products.
7. The economics of various fishery products.

B. Training Objectives: Attention will be focused on the development of trained fisheries personnel especially fisheries scientists, extension workers and fish farmers.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____
TITLE: _____

SIGNATURE: _____ DATE: _____
TITLE: _____

PROJECT AGREEMENT BETWEEN AID AND THE NATIONAL ECONOMIC COUNCIL <hr/> AN AGENCY OF THE GOVERNMENT OF THE PHILIPPINES	1. Project/Activity No. 492-11-180-234	PAGE <u>4</u> OF <u>9</u> PAGES
	2. Agreement No.	3. <input checked="" type="checkbox"/> Original or Revised No. _____
	3. Project/Activity Title Inland Fisheries	

1. During the three years of the program, it is anticipated that a minimum of 12 Filipino scientists will be sent to Auburn University, or other suitable American universities, for intensive graduate study in aquaculture. Efforts will also be made to have these scientists receive training on commercial fish-ponds, either in the United States or in third countries. Upon completion of their overseas training they will return to the Philippines where they will serve as scientists at the research stations.
2. The professional staff of the Inland Fisheries Project in cooperation with the Philippine Fisheries Commission's technical staff will conduct intensive training courses for extension personnel in pond construction and in research-proven and production-oriented techniques. In addition, commercial pond operators and fish farmers will periodically be invited to attend fish culture courses or seminars. To facilitate these training programs at the respective stations, modest dormitory facilities will be provided.
3. For mutually selected key Filipino extension personnel, training trips to third countries with advanced programs in Inland Fisheries, will be provided.
4. Generally, the technical capabilities of all personnel at the station will be promoted through their participation in the planning and conduct of research and training activities.

C. Extension Objectives: Results of researches and experiences at the stations will be demonstrated at the demonstration fish farms of the Philippine Fisheries Commission and in cooperation with fishpond operators located throughout the country. In this way, there will be effected a wider and more rapid dissemination and utilization of scientific information. In addition, extension workers of the Philippine Fisheries Commission, trained at the stations, will be fielded to guide commercial fishpond operators and fish farmers.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

PROAG
CONTINUATION
SHEET
ANNEX

PROJECT AGREEMENT
BETWEEN AID AND

THE NATIONAL ECONOMIC COUNCIL

AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES

1. Project/Activity No.
492-11-180-234

PAGE 5 OF 9 PAGES

2. Agreement No.

3. Original or
Revision No. _____

3. Project/Activity Title

Inland Fisheries

D. Institutional Objective:

The project objective is to assist the Government of the Philippines in establishing and operating an effective research and training institution in fish culture, thereby providing support to the fishpond production program.

III. Project Implementation

Upon signing of this Project Agreement, the Philippine National Science Development Board (NSDB) will release to the project over a three-year period, funds earmarked for the Inland Fisheries Project, as indicated in the budget approved by the NSDB Governing Board.

The USAID will enter into a contract with Auburn University for the technical services of fisheries biologists to assist in planning and conducting the research, training and extension program of the project.

The Brackishwater Fish Culture Research Station will be located at Leganes, Iloilo, with the Municipality of Leganes providing the land consisting of 50 hectares on a 25-year lease at a nominal rate with the option to renew for another 25 years. (See Part VII re: Memorandum of Agreement).

The Freshwater Fish Culture Station will be located within the campus of the Central Luzon State University (CLSU) on an area of about 20 hectares made available without cost by the CLSU. (See Part VII re: Memorandum of Agreement).

Responsibility for the operation and administration of the Inland Fisheries Project will be vested in a Project Director who will be responsible to the Chairman of the NSDB (Annex 1). The Project Director will be assisted by an Assistant Project Director who will be responsible for such aspects of the daily administration of the program as may be delegated to him by the Project Director. Each Fish Culture Station will have a Project Leader, an Assistant Project Leader and a Pond Superintendent as key personnel. Each Project Leader will be responsible to the Project Director. (See Part VII re: Memorandum of Agreement).

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

PROAG
CONTINUATION
SHEET

ANNEX _____

**PROJECT AGREEMENT
BETWEEN AID AND**

THE NATIONAL ECONOMIC COUNCIL

**AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES**

1. Project/Activity No.
492-11-180-234

2. Agreement No.

3. Project/Activity Title
Inland Fisheries

PAGE 6 OF 9 PAGES

3. Original or
Revision No. _____

Upon the signing of this Agreement, the project will proceed along the following guidelines:

FY 1971 - Auburn University will provide two scientists to be assigned to the project. Upon completion of plans and engineering designs, construction on both stations will commence. A minimum of four/Filipinos will be selected and sent to Auburn University or other suitable American universities for graduate studies in aquaculture leading to a Master's Degree. On-site training, principally on pond construction techniques, and some researches will commence.

FY 1972 - Both stations are programmed for completion within the year. A second group of Filipinos will be sent to the U.S. for graduate work. Short-term training for participants to third countries with advanced programs in Inland Fisheries is programmed. Short courses for Philippine Fisheries Commission personnel will be conducted throughout the year. Close coordination with private fishpond operators will be maintained through seminars and cooperative work. The full complement of professional staff, both Filipinos and Americans, will be working at both stations.

FY 1973 - The first group of returning scholars from the U.S. will be assigned to the project. A third group of participants will depart for the United States for training. Another group of participants for short-term third country training will be sent. Research will continue and be increasingly focused on accelerating pond and labor productivity and the development of products for export. Training of extension workers, technicians, and fish farmers will continue.

IV. Government of the Philippines' Contributions:

A. The Government of the Philippines shall provide 2.99 million pesos over the three-year period of this NSDB/NEC/USAID bilateral agreement to provide adequate support for the activities described

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____
TITLE: _____

SIGNATURE: _____ DATE: _____
TITLE: _____

PROAG
CONTINUATION
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ANNEX

PROJECT AGREEMENT BETWEEN AID AND THE NATIONAL ECONOMIC COUNCIL AN AGENCY OF THE GOVERNMENT OF THE PHILIPPINES	1. Project/Activity No. 492-11-180-234	PAGE 7 OF 9 PAGES
	2. Agreement No.	3. <input checked="" type="checkbox"/> Original or Revision No. _____
	3. Project/Activity Title Inland Fisheries	

above. The first year peso support of the Brackishwater and Freshwater Stations shall be provided in the amounts delineated below to permit maximum, uninterrupted and beneficial utilization of the technical training and commodity and professional assistance provided under this Project Agreement.

Total Annual Peso Operating and Capital Costs of the
Inland Fisheries Project.

<u>Year I</u>	<u>Year II and III</u>
P1,331,060	P1,666,384

- B. NSDB funds allocated in support of this project will be released to the Project as provided in the Memorandum of Agreement.
- C. Through this Project Agreement, the Government of the Philippines (GOP) authorizes the USAID to provide the local support for the Auburn scientists similar to that provided to the USAID direct hire American employees from the NEC/USAID "Type B" trust fund budget.
- D. The GOP shall provide the usual international travel cost from the "Type A" trust fund budget for participant travel to the U.S. or other approved third countries.
- E. Participants scheduled for graduate study in the U.S. under this Project Agreement will sign a contract to render two years service to the Project for each year, or a fraction thereof, of training.
- F. The Government of the Philippines agrees to provide continuing adequate budget support to the stations upon termination of the USAID support to ensure the continuity and efficient operation of the research and training stations. During the three-year period of the program, or anytime thereafter, this Agreement does not preclude the GOP from soliciting and accepting assistance from other local or foreign agencies.
- G. The GOP will supply adequate professional and supporting staff to effectively and efficiently utilize the stations' resources.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

PROAG
CONTINUATION
SHEET

ANNEX _____

**PROJECT AGREEMENT
BETWEEN AID AND
THE NATIONAL ECONOMIC COUNCIL
AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES**

1. Project/Activity No. 492-11-180-234	PAGE <u>8</u> OF <u>9</u> PAGES
2. Agreement No.	3. <input type="checkbox"/> Original or Revision No. _____
3. Project/Activity Title Inland Fisheries Project	

- H. The Project Director shall submit to the NSDB at the end of each operational year, a report outlining:
1. The substantive research and training programs and their progress;
 2. The financial status of the program;
 3. The administration of the program and any recommendations which would lead to the more efficient and productive operation of the stations;
 4. The research and training program for the next operational year; and
 5. The operating budget for the next operational year.

The participating agencies shall conduct, upon receipt of this report, an evaluation of the reported progress. Release of peso and dollar funds for continued construction, research and training will be contingent upon the satisfactory progress toward the program's objectives.

V. U. S. Contributions

Under this Project Agreement the USAID will provide \$122,500 to meet the following initial first year dollar costs of the Project:

Contract Services (2 man-years)	\$ 82,500
Participant Training (2 M.S. scientists to U.S.)	24,000
Commodities (vehicles)	16,000
Total	<u>\$122,500</u>

For the Cooperating Government or Agency
SIGNATURE: _____ DATE: _____
TITLE: _____

For the Agency for International Development
SIGNATURE: _____ DATE: _____
TITLE: _____

PROAG
CONTINUATION
SHEET

ANNEX _____

**PROJECT AGREEMENT
BETWEEN AID AND
THE NATIONAL ECONOMIC COUNCIL**

**AN AGENCY OF THE GOVERNMENT OF
THE PHILIPPINES**

1. Project/Activity No.
492-11-180-234

PAGE 9 OF 9 PAGES

2. Agreement No.

3. Original or
Revision No. _____

3. Project/Activity Title

Inland Fisheries

An additional amount of \$57,500 will be provided for the use of the project through a Project Agreement Amendment to be entered into before June 30, 1971. The total USAID fiscal year 1971 funding will then total \$180,000. Subject to availability of funds, the USAID has programmed \$420,000 over the next two fiscal years for a total of \$600,000 over the planned three-year life of the Project.

The initial fiscal year 1971 obligations for technical assistance, commodity support and participant training are enumerated in the Program Implementation Orders.

VI. Inland Fisheries Project Affiliation with SEAFDEC

This Project Agreement takes note of the Philippine Position Paper submitted as Working Paper 14 to the Fourth Meeting of the Council of the Southeast Asian Fisheries Development Center (SEAFDEC) and adopted by the SEAFDEC Council. The Philippine Position Paper for SEAFDEC provides a **general plan** for coordinating the project to be implemented under this Project Agreement with the Aquaculture Department of the SEAFDEC which will be located in the Philippines.

It is the intent of the parties to this Project Agreement to facilitate effective coordination and affiliation of these complementary projects.

VII. Memorandum of Agreement Among Participating Philippine Government Agencies

The Memorandum of Agreement among the participating Philippine Government agencies, when completed, will form an integral and binding part of this Project Agreement.

For the Cooperating Government or Agency

For the Agency for International Development

SIGNATURE: _____ DATE: _____

SIGNATURE: _____ DATE: _____

TITLE: _____

TITLE: _____

4920234 10
 77-ADD-50

AID 1620-22(15-67)

JOINT PROJECT IMPLEMENTATION PLAN PART V - COMMODITY AND OTHER REQUIREMENTS - TECHNICAL ASSISTANCE			1. COOPERATING COUNTRY Philippines		4. DATE (Month, Day, ..)			
2. PROJECT TITLE Inland Fisheries (formerly Fresh-Brackish Water Fish Productivity)			3. PROJECT NUMBER 492-11-160-234		<input type="checkbox"/> DRAFT <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> REVISION NO.			
5. DESCRIPTION	6. I/ TYPE	7. DATE RE- QUIRED	8. FUND REQUIREMENTS					TOTAL
			FY- 71	FY- 72	FY- 73	FY-	FY-	
A. U.S. INPUTS (U.S. \$ Thousands or equivalent)								
A. Commodities								
1) <u>608 Excess Equip.</u> (Unit delivered costs Manila)								
a) 2 generators, 60 KW, DED, Skid mtd	A/G	Dec 70	5				5	
b) 2 generators, 30KW, DED, Skid mtd	A/G	"	3				3	
c) 4 pumps, water, elect, 2,000 GPM, 5 ft level	A/G	"	7				7	
d) 2 trucks, cargo, 2 ton	A/G	"	3	2			5	
2) <u>New Equipment</u> (Unit delivered costs Manila)								
a) 2 Jeep station wagons	A/G	"	7				7	
b) 2 Jeep pickup trucks	A/G	"	6				6	
c) Appliances	A/G	Mar 71	6				6	
d) 2 commercial refrigeration units & compressors	A/G	"	10	10			20	
e) 1 set equipment water chem lab (Brackish)	A/G	July 71		3			3	
f) 1 set equipment water chem lab (Freshwater)	A/G	Oct 71		3			3	
g) 1 set Fish Nutrition Research equip (Freshwater)	A/G	July 71		22			22	
h) 1 set Fish Nutrition Research equip (Freshwater)	A/G	Oct 71		22			22	
i) 1 set equip Disease Lab (Brackish- water)	A/G	July 72		15			15	
j) 1 set equip Disease Lab (Freshwater)	A/G	July 72			15		15	
k) 2 tractors with mower	A/G	Mar 71	5				5	
l) Contingency	A/G	-	14	14			28	
			65	90	15		170	
B. COOPERATING COUNTRY INPUTS (Funds in equivalent U.S. \$ Thousands)								
B. Capital Costs (Brackish and Freshwater)								
1. Construction of service buildings and laboratories	G	Dec 70	44	37	0		81	
2. Construction of ponds	G	Dec 70	61	61	32		154	
Sub-Total							235	
B. Operating Cost (Brackish and Freshwater)								
Total	G	May 71	48	57	60		165	
			160	175	115		450	
C. OTHER DONOR INPUTS (Funds in equivalent U.S. \$ Thousands)								
1/ Indicate as appropriate by letter code whether inputs are: G - Grant Financed or L - Loan Financed For U.S. Commodities only, indicate by letter code whether they are: A - AID Procured; B - Contractor Procured; or C - Cooperating Country Procured							Rate of exchange: U.S. \$1 =	

7p

JOINT PROJECT IMPLEMENTATION PLAN PART IV - PARTICIPANT REQUIREMENTS		1. COOPERATING COUNTRY Philippines	2. PROJECT TITLE Inland Fisheries (formerly Fresh- Brackish Water Fish Productivity)		3. PROJECT NUMBER 492-11-189-234	4. DATE (Month, Day, Year)		<input type="checkbox"/> DRAFT <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> REVISION NO.								
5. FIELD OF SPECIALIZATION M.S. degree offered at AU in various areas in Fisheries	6. NO.	7. 1/ TYPE	8. PLANNED DEPARTURE DATE	9. DURATION OF TRAINING	10. FUND REQUIREMENTS (Shown in U.S. \$ Thousands or equivalent)											
					U.S.					COOPERATING COUNTRY						
					FY-71	FY-72	FY-73	FY-74	FY-	TOTAL	FY-71	FY-72	FY-73	FY-	FY-	TOTAL
Fisheries																
M.S. Degree Fisheries					Total	28	50	75		128	4	4	4			12
a) Aquaculture	6	AU	Jan 71(4)	2 year	(2.8)	(2.5)					(4)					
b) Fish disease and parasites	2	AU	Sept 71(4)			(2.5)	(2.5)					(4)				
c) Food nutrition and feeding	2	AU	Sept 72(4)				(5.0)						(4)			
d) Fish Technology	2	IAU	Sept 72(4)													
Total					1.3	1.3	1.3			3.9	.4	.4	.4			1.2
Third Country Training																
a) Biologist	2	AT	June 71	1 month	(1.3)						(.4)					
b) Extension specialist	2	AT	June 72	1 month		(1.3)						(.4)				
c) Extension specialist	2	AT	June 73	1 month			(1.3)						(.4)			
Total					4.6	4.6				9.2						
Special Training Auburn University*																
a) Action Officer (Brackishwater Station)	1	AU	Oct 70	1 month	(2.3)											
b) Pond Superintendent (Brackishwater Station)	1	AU	Oct 70	1 month	(2.3)											
c) Action Officer (Freshwater Station)	1	AU	Oct 71	1 month		(2.3)										
d) Pond Superintendent (Freshwater Station)	1	AU	Oct 71	1 month		(2.3)										
					Total Training Cost					\$1435						13
* October is best month since visitors can observe all phases of research, pond construction, training operations, tabulations of results, etc.																
1/ Indicate by combination of letters if participants are: 1st - A - AID Directly Financed; B - Contract Financed; or C - Cooperating Country Financed. 2nd - U - U.S. Training, T - Third Country Training or X - Combined U.S./Third Country Training															Rate of exchange: U.S. \$1 =	

JOINT PROJECT IMPLEMENTATION PLAN PART III - PERSONNEL REQUIREMENTS		1. COOPERATING COUNTRY Philippines	2. PROJECT TITLE Inland Fisheries (formerly Fresh- Brackish Water Fish Productivity)				3. PROJECT NO. 492-11-180-234	4. DATE (Month, Day, Year)				5. <input type="checkbox"/> DRAFT <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> REVISION NO.	
6. CATEGORY OF PERSONNEL	7. TIME PHASED REQUIREMENTS										8. TOTAL REQUIREMENTS		
	FY- 1971		FY- 1962		FY- 1973		FY- 1974		FY-		MY	FUNDS	
	MM	FUNDS	MM	FUNDS	MM	FUNDS	MM	FUNDS	MM	FUNDS			
A. UNITED STATES CONTRIBUTION (Funds shown in U.S. \$ Thousands)													
1. AID DIRECT HIRE													
a. U.S.													
b. Local													
c. Third Country													
2. PASA	a. Obligations												
	b. Expenditures												
3. AID CONTRACTOR EMPLOYEES	a. Obligations	USAID/Manila 12	50	28	100	28	110					5.6	260 1/2
	b. Expenditures												
4. AID INDIVIDUALLY CONTRACTED EMPLOYEES													
5. BORROWER/GRANTEE CONTRACT EMPLOYEES													
6.													
B. COOPERATING COUNTRY CONTRIBUTION (Funds shown in equivalent U.S. \$ Thousands)													
1. CENTRAL GOVERNMENT													
2. REGIONAL, STATE PROVINCIAL OR LOCAL GOVT													
3. National Science Development Board		168	6	84	11	84	11					28	28
4. UP		36	3	144	3	144	3					27	9
C. OTHER DONORS OR COOPERATING SPONSORS CONTRIBUTION (Funds shown in equivalent U.S. \$ Thousands)													
1. UZ/YAO (3 Scientists)				36	120	36	120					6	240 2a/
2. SELFDEC (Japan 2 Scientists)				24	60	24	60					4	120 2b/
3.	1/ Aggregate man-year and \$ figures reflect in addition to regular staff, visiting Auburn University staff to conduct short course in Philippines; 2 staff for 1 month in Philippines plus 6 months each												

Rate of exchange: U.S. \$1 =

JOINT PROJECT IMPLEMENTATION PLAN PART II - SELECTED OUTPUT INDICATORS		1. COOPERATING COUNTRY Philippines	2. PROJECT TITLE Inland Fisheries (formerly Fresh- Brackish Water Fish Productivity)		3. PROJECT NUMBER 492-11-180-234	4. DATE (Month, Day, Year)			<input type="checkbox"/> DRAFT <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> REVISION NO.	
6. CODE (For AID/W use only)	5. IDENTIFICATION OF OUTPUT AND SPECIFIC TARGETS	7. TIME PHASED ACCOMPLISHMENT							PROJECTED TOTAL	
		TO DATE	FY- 71	FY- 72	FY- 73	FY-	FY-	FY-		
	Percentage Construction of Experimental Ponds (both stations)	0	20	75	100					
	Percentage Construction of Buildings and auxiliary systems		25	100						
	Hectareage of Ponds being used in Research, Brackishwater Station		5	20	37.6					
	Hectareage of Ponds being used in Research, Freshwater		2	8	10.4					
	Short course Training sessions (Philippines):									
	FFC personnel		1	2	2					
	Fisheries Students			3	3					
	Pond Operators			2	2					

