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AGENCY FOR INTERNATIONAL DEVELOPMENT  
WASHINGTON D C 20523

09 AUG 1985

**ACTION MEMORANDUM FOR THE ASSISTANT ADMINISTRATOR, ANE**

**FROM:** ANE/TR, Kenneth H. Sherper *KS*

**SUBJECT:** Cooperative Marine Technology Program for the Middle East, Phase III

**PROBLEM:** Your signature is required to (1) authorize this project totalling \$3,203,206 from ESF Regional Cooperation grant funds and (2) approve negotiation of a Cooperative Agreement with New Jersey Marine Sciences Consortium (NJMSC) to carry out project activities for the Cooperative Marine Technology Program for the Middle East, Phase III. Initial funding in FY 85 would be \$301,176.

**BACKGROUND:** The Cooperative Marine Technology Program for the Middle East was the first major A.I.D.-funded Regional Cooperation Project. Initial funding of the project (Phase I) began in late FY 80. The project consisted of several trilateral research sub-projects in shore processes, biological productivity, lakes management and aquaculture involving a number of U.S., Egyptian, and Israeli institutions under the overall management of the NJMSC. An evaluation was conducted on the Phase I activity in 1983. The evaluation concluded that the project was generally successful in meeting its technical objectives and as successful as could be expected in fostering regional cooperation, given the exogenous political problems with which it had to contend.

In September 1983, Phase II of the project was authorized, limiting the activities to the three most successful sub-projects. These sub-projects included coastal management and shore processes in the Southeastern Mediterranean, biological productivity of the Southeastern Mediterranean, and monosex production of Tilapia. An evaluation was conducted on the Phase II activity in May of 1985. The evaluation concluded that the project was successful in conducting scientific research but limited in stimulating regional cooperative exchanges (in particular travel of Egyptians to Israel).

The NJMSC submitted a Phase III proposal in April of 1985 and the FRC recommended an evaluation of the Phase II be conducted prior to considering the Phase III proposal. The NEAC met on July 16, 1985 and approved three of the five sub-project activities of the Phase III proposal.

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**Project:** The project will directly support U.S. efforts to foster scientific and technical cooperation between Egypt and Israel. It will assist the process of the normalization of relations between Egypt and Israel and the development of ties between the two countries, as well as conduct scientific research in the marine sciences area which will be useful to both countries. It is anticipated that the intensity and extent of the cooperation between the Egyptians and Israelis will continue to grow and that the U.S. role will continue to diminish.

The following three sub-projects will be carried out for the three-year period of the project:

**1) Non-Conventional Fish Production**

In addressing the need in the region for increasing the production of high protein food, this project promotes research on fish production. The goal is to develop inexpensive, safe and socially acceptable technologies to use sewage, sludge and other forms of organic wastes such as chicken and cow manure to increase the production of fish pond systems while minimizing the associated health risk for both the public and private sectors.

**2) Seafood Toxins**

This sub-project will assess the health significance of contamination of Egyptian/Israeli foods and feeds by chemical contaminants. The project will study the aspects of the biogeochemical cycle of heavy metals in the environment and will consider ways of achieving international control over contamination of foods by such substances.

**3) Lakes Management**

This sub-project will study the environmental conditions governing fish production and establish an experimental fish farm. The results of such an experiment will determine whether intensive farming should be extended to larger areas and will indicate the order of magnitude for future optimal fish catches to be harvested from the lakes.

**Implementation:**

The NJMSC will be the recipient of cooperative agreement funds and will have fiscal and overall management responsibility for the project. The NJMSC will conclude sub-agreements with and provide sub-grants to various U.S., Egyptian and Israeli institutions. Pursuant to Handbook 13, Ch. 1B 2E, your specific approval is required to accept an unsolicited proposal.

Notification to the Congress: Congress was notified on June 24, 1985 of our intent to obligate funds for this project. The 15-day waiting period expired on July 9, 1985 with no objections expressed.

Plan of Activities:

The NJMSC has been requested to submit a plan of activities which will lead to the expansion of individuals participating from Egypt and Israel. This plan must include the travel of younger Egyptian scientists to Israel and vice versa as a means of further stimulating regional cooperation.

Project Funding: The project will be fully authorized but incrementally funded over the three-year life of project. A cooperative agreement will be utilized by A.I.D. in undertaking this activity. A.I.D. intends to reserve for itself a position of substantial involvement, as the activity unfolds, in the form of the project monitoring mentioned above to determine progress toward achievement of the project's objectives. Accordingly, pursuant to the policy guidance of AID Handbook 1, Supp. B. Ch 25 E.3, a cooperative agreement is the appropriate vehicle for the activity. This agreement will be negotiated by SER/CM.

Recommendation: It is recommended that, by signing the attached project authorization, you 1) authorize funding for the proposed project in the amount of \$3,203,206 of which up to \$301,176 will initially be obligated in the Cooperative Agreement and 2) approve negotiation by A.I.D. of a Cooperative Agreement with the NJMSC to carry out the approved activity based upon the NJMSC unsolicited proposal.

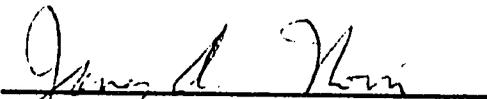
Attachment: Project Authorization

PROJECT AUTHORIZATION

Name of Country: Near East Regional      Name of Project: Cooperative Marine Technology Program for the Middle East, Phase III

Number of Project: 298-0158.08

1. Pursuant to Section 531 of the Foreign Assistance Act of 1961 as amended, I hereby authorize Phase III of the Cooperative Marine Technology Project for the Middle East involving planned obligations of E.S.F. Funds not to exceed \$3,203,206 over a three year period from the date of this authorization subject to the availability of funds in accordance with A.I.D. OYB/allotment process to assist in financing for foreign exchange and local currency costs of the project. The planned life of the project is three years from the date of initial obligation.
2. This Regional Cooperation Project addresses three areas of concern to Egypt and Israel. The identified topics of work are:
  - a) Lakes Management
  - b) Seafood Toxins
  - c) Non-Conventional Fish Production Pond System
3. The Project shall be implemented by means of a Cooperative Agreement to be negotiated by A.I.D. with New Jersey Marine Sciences Consortium.
4. Commodities financed by A.I.D. under the Project shall have their source and origin in Egypt, Israel or the United States, except as A.I.D. may otherwise agree in writing. Except for ocean shipping, the suppliers of commodities or services shall have Egypt, Israel or the United States as their place of nationality, except as A.I.D. may otherwise agree in writing. Ocean shipping financed by A.I.D. under the project shall, except as A.I.D. may otherwise agree in writing, be financed only on U.S. flag vessels.

  
for Charles W. Greenleaf, Jr.  
Assistant Administrator  
Bureau for Asia and Near East

3/12/55  
Date

29 80190

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

12 JUL 1985

*Based on preliminary?  
Budget analysis  
Satisfactory in context  
Amt for CMTA as %  
of total*

MEMORANDUM

TO: AA/ANE, Charles W. Greenleaf, Jr.  
FROM: ANE/TR, Kenneth H. Sherper *KHS*  
SUBJECT: Issues Paper - Regional Cooperation - Cooperative  
Technology Program for the Middle East, Phase III

The PRC held meetings on April 4 and June 12 to discuss subject proposal which was submitted by the New Jersey Marine Sciences Consortium on behalf of sixteen institutions in Egypt, Israel and the United States.

BACKGROUND: The Cooperative Marine Technology Program for the Middle East was first authorized in August of 1980 as a trilateral collaborative effort in marine and freshwater aquatic research. A Phase I evaluation, conducted in March of 1983, concluded that the first phase of the project was generally successful technologically and was fostering regional cooperation between Egypt and Israel as well as could be expected under the existing political situation. In September of 1983, Phase II of the project was authorized to continue AID funding support for an additional three years.

A phase II mid-term evaluation prepared by May of 1985 reported the situation to be similar to that during Phase I: scientific efforts were generally outstanding and cooperative efforts between the two countries were proceeding towards normalization as well as could be expected. The three main problems encountered by the Phase II evaluation were 1) reluctance of Egyptians to travel to Israel, 2) slow administrative procedures handicapping fund disbursement and 3) the absence of a unified logical framework which could be used to plan project activities.

New Project Proposal

The proposal for the third phase of the Cooperative Technology Program for the Middle East is composed of five separate subprojects as follows:

- 1. Nutrition Research
- 2. Red Sea Fisheries

*Cost?  
604,415 1 yr.  
319,610*

*format for proposals*

*Trials*

*5*

*4,406,149*

3. Lakes Management <sup>436,701</sup> *continued with new Egyptian lake*
- Trilateral* 4. Seafood Toxins 1,021,600
- Trilateral* 5. Non-Conventional Fish Production Pond System <sup>1,496,800</sup> *environmental health hazards*

In the PRC review held on April 4, the Committee members agreed to recommend support for the Lakes Management and the Seafood Toxins subprojects, as both of these activities offered ample opportunity for scientific collaboration between Egypt and Israel. The Nutrition Research and Red Sea Fisheries subprojects were not recommended for approval because the cooperative aspects of the proposals are weak and the problems to be addressed by the research are not shared by the two countries.

The fifth subproject, Non-Conventional Fish Production Pond System, was discussed at the first meeting, but the revised subproject paper had not been reviewed by all of the Committee members. During the second PRC review held on June 12, the Committee agreed to recommend approval of this subproject.

ISSUES:

1. The PRC members agreed that three of the five subprojects proposed by the New Jersey Marine Sciences Consortium are technically sound, as well as offering opportunities for increased collaboration between Egyptian and Israeli scientists. Therefore, the Lake Management, the Seafood Toxins and the Non-Conventional Fish Production Pond System subprojects are recommended for approval.

Recommendation: The New Jersey Marine Sciences Consortium be advised that the three subprojects mentioned above are approved for the first year funding and that the Consortium should revise their budget to exclude the two subprojects not recommended for funding, with a similar reduction in the management. The revised budget should be accompanied by a breakdown of international travel costs which the PRC felt were very high.

2. In both Phases I and II, evaluations have noted that scientific undertakings to date have been generally successful, however the primary goal of increasing collaboration between Egypt and Israel still has only met with limited success.

Recommendation: The Consortium, during the new Phase III activities, should develop new methods to increase travel of ?

*Is there a condition to approval?*

scientists between the two countries in order to stimulate and promote increased cooperative activities.

A total of only \$301,176 is available from FY 85 funds for this project. The balance of funding for first year activities will be provided when FY 86 funds become available.

Distribution:

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2980190

26 SEP 1984

ACTION MEMORANDUM FOR THE DIRECTOR, OFFICE OF TECHNICAL SUPPORT, NE/TECH

THRU: NE/TECH/AD, Wilbur G. Thomas *JWT for*

FROM: NE/TECH/AD, Gary W. Bittner *JWB.*

SUBJECT: AID Grant No. NE-CA-1706, Cooperative Marine Technology PACD Extension

Problem: Your signature is required to extend the PACD for the above mentioned project through March 31, 1985.

Discussion: The present PACD of subject project is September 30, 1984. An extension of six months is requested to install tanks for monitoring growth rates of fish by Egyptian and Israeli scientists.

The project recently incurred a setback in project implementation through the loss of large fish tanks purchased by the Egyptian Academy. The tanks were lost through the delivery process and are beyond hope of recovery. Since these tanks are important for monitoring growth phases of various fish species, re-purchase of these tanks has been initiated. Once installed, the fish tanks will help accelerate the pace of collaborative research efforts between Egyptian and Israeli scientists. This is a request for extension of time and no additional costs will be incurred. An evaluation of this phase of the project is scheduled the second quarter of FY 85.

You have authority to approve this extension pursuant to Redlegation of Authority 113.4.

Recommendation: That you approve the extension of the PACD of the Cooperative Marine Technology Project for six months. The new PACD will be March 31, 1985.

Approved: *Barbara Turner*  
Acting Director

Disapproved: \_\_\_\_\_

Date: 9/27/84

*8*

2980190

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

SEP 14 1983

ACTION MEMORANDUM FOR THE ASSISTANT ADMINISTRATOR, NEAR EAST

FROM: NE/TECH, Kenneth Sherper *AT*  
NE/ME, Gerald Kamens *GK*

SUBJECT: Cooperative Marine Technology Program for the Middle East, Phase II

Problem: Your signature is required to (1) authorize this project in a life of project amount of \$2,695,000 from ESF regional cooperation funds and (2) approve negotiation of a cooperative agreement with the New Jersey Marine Sciences Consortium (NJMSC) to carry out project activities for the Cooperative Marine Technology Program for the Middle East, Phase II. Initial funding in FY 1983 would be \$1,000,000.

Background: The Cooperative Marine Technology Program for the Middle East was the first major AID funded regional cooperation project. Initial funding of the \$4,238,000 project began in late FY 1980. The project consisted of seven trilateral research sub-projects in shore processes, biological productivity, lakes management and aquaculture, involving a number of US, Egyptian, and Israeli institutions under the overall management of the NJMSC. A project evaluation conducted at the beginning of 1983 concluded that the project was generally successful in meeting its technical objectives and as successful as could be expected in fostering regional cooperation, given the exogenous political problems with which it had to contend. Some of the sub-activities, however, were much less successful than others in achieving these goals.

The NJMSC submitted a proposal for a follow-on project which would have continued all the sub-projects. The NEAC met on May 29 and decided that additional field input was necessary before a decision could be made. Field views were solicited and the NEAC met on June 30, agreeing to accept a revised proposal based on the three most successful of the sub-projects. The NJMSC submitted a revised proposal on July 20 which was approved by the NEAC on August 25. Funding will be provided in at least three increments over the three year life of project, subject to:

- 1) Availability of funds in accordance with the AID OYB/allotment process.
- 2) Satisfactory technical performance by the NJMSC and its US, Israeli and Egyptian partners.
- 3) Satisfactory progress in meeting the cooperative objectives of the regional program.

Project: The project will directly support U.S. efforts to foster scientific and technical cooperation between Egypt and Israel. It will assist the process of the normalization of relations between Egypt and Israel and the development of ties between the two countries as well as conduct scientific research in the marine sciences area which will

be useful to both countries. It is anticipated that the intensity and extent of the cooperation between the Egyptians and Israelis will continue to grow and that the U.S. role will continue to diminish.

The following three sub-projects will be carried out for the three-year period of the project:

1) Coastal Management and Shore Processes in the Southeastern Mediterranean.

Coastal erosion in Egypt and Israel has become a serious problem since the Aswan Dam became operational and trapped silt which would normally add to or stabilize the coastline. The sub-project will continue a study which is 1) identifying and quantifying the driving forces which shape the coastal zone, influencing the erosional/accretional budget of coastal sediment and 2) providing engineers and planners with the best estimates of design conditions and of erosional/accretional trends.

2) Biological Productivity of the Southeastern Mediterranean in the Post Aswan High Dam Period.

The operation of the dam has caused a significant decline in commercial fisheries in the Southeastern Mediterranean. This sub-project will continue efforts to gain a deeper understanding of the physical, chemical, and biological factors which influence the primary productivity of the area. The objective is to have better information on the nearshore and offshore marine ecosystems, and more rational management of fisheries.

3) Monosex Production of Tilapia.

Tilapia is an important food fish which tend to over-populate their ponds, creating undersize fish. This sub-project continues research on the production of all male hybrid tilapia, which will alleviate this problem and produce larger fish.

In addition, phase-out costs not to exceed a one-year period (\$152,000) will be provided for the Israeli and U.S. costs of the "Culture and Nutrition of Commercially Important Fishes" (sufficient funds remain in the Egyptian budget of the first marine technology project to cover the Egyptian costs). This sub-project is a combination of the three other aquaculture projects in the first project.

Implementation: The NJMSC will be the recipient of cooperative agreement funds and will have fiscal and overall management responsibility for the project. The NJMSC will conclude sub-agreements with and provide sub-grants to Texas A & M university, where the chief scientists and technical director is located, the Israel Oceanographic and Limnological

Research Ltd., Alexandria University and the Egyptian Academy of Scientific Research and Technology. Other U.S. institutions involved are Scripps Institution of Oceanography, Bigelow Laboratory for Ocean Sciences, Auburn University, and Louisiana State University. Pursuant to Handbook 13, CH. 1B 2E, your specific approval is required to accept an unsolicited proposal.

Notification to the Congress: Congress was notified on July 26, 1983 of our intent to obligate funds for this project. The 15 day waiting period expired on August 10, 1983 with no objections expressed.

Evaluation: The NJMSC will be tasked to produce an evaluation plan and a logframe prior to the FY 1984 disbursement. Evaluation will be based on cooperative as well as technical project objectives.

Project Funding: The project will be fully authorized but incrementally funded over the three year life of project. This would permit regional funds to be used for other equally important projects and would provide a way to incorporate the results of project monitoring prior to continuation of the project.

A cooperative agreement will be utilized by AID in undertaking this activity. AID intends to reserve for itself a position of substantial involvement as the activity unfolds in the form of the project monitoring mentioned above to determine progress toward achievement of the project's objectives. Accordingly, pursuant to the policy guidance of AID Handbook 1, Supp. B. Ch. 25 E.3, a cooperative agreement is the appropriate vehicle for the activity. This agreement will be negotiated by SER/CM.

Recommendation: It is recommended that, by signing the attached project authorization, you 1) authorize funding for the proposed project in the amount of \$2.695 million of which up to \$1.0 million will initially be obligated in the cooperative agreement and 2) approve negotiation by AID of a Cooperative Agreement with the NJMSC to carry out the approved activity based upon the NJMSC unsolicited proposal.

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

ASSISTANT  
ADMINISTRATOR

PROJECT AUTHORIZATION

Name of Country: Near East  
Regional

Name of Project: Cooperative Marine  
Technology Program  
for the Middle  
East, Phase II

Number of Project: 298-0190

1. Pursuant to Part II, Chapter 4, Section 531 of the Foreign Assistance Act of 1961, as amended (the "Act") I hereby authorize the Cooperative Marine Technology Project for the Middle East, Phase II (the "Project"), involving planned obligations of not to exceed Two Million Six Hundred Ninety Five Thousand United States Dollars (\$2,695,000) over a three-year period from the date of this authorization, subject to the availability of funds in accordance with the A.I.D. OYB/allotment process to assist in financing the foreign exchange and local currency costs of the Project. The planned life of the Project is three years from the date of the initial obligation.

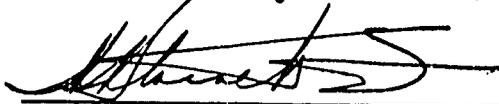
2. The Project consists of three follow-on sub-activities involving cooperative research between Egypt and Israel in: (a) coastal management and shore processes in the southeastern Mediterranean, (b) biological productivity of the southeastern Mediterranean in the post-high dam period, and (c) monosex production of tilapia.

The Project will also finance phase-out costs of the following activities carried out in Phase I: (a) controlled reproduction of commercially important marine fish, (b) intensive fish culture and nutrition; (c) fish nutrition and pond culture.

3. A cooperative agreement with the New Jersey Marine Sciences Consortium (NJMSC) may be negotiated and executed for this Project by the officer(s) to whom such authority is delegated in accordance with A.I.D. regulations and Delegations of Authority subject to the following essential terms and conditions together with such other terms and conditions as A.I.D. may deem appropriate.

a. Source and Origin of Goods, Nationality of Services

All goods and services financed by A.I.D. under the Project shall have their source and origin in the United States, Egypt or Israel, except as A.I.D. may otherwise agree in writing. Ocean shipping financed by A.I.D. under the Project shall, except as A.I.D. may otherwise agree in writing, be financed only on U.S. flag vessels.



W. Antoinette Ford  
Assistant Administrator  
Bureau for Near East

19 SEP 1983

Date

2980190

OCT 24 1980

ACTION MEMORANDUM FOR THE ACTING ASSISTANT ADMINISTRATOR, NE

THRU: NE/TECH, Lewis Reade /s/ L. P. Reade

FROM: NE/TECH, Robert Morrow

SUBJECT: A.I.D. Project Number 298-0161 (Cooperative Marine Technology); Amendment to Project Authorization

Problem: To authorize local cost financing for A.I.D. Project 298-0161

Discussion: On June 27, 1980, pursuant to the attached action memorandum, you authorized the subject Project which contemplated a Cooperative Agreement with the New Jersey Marine Sciences Consortium (NJMSC). On August 22, 1980 the cooperative agreement was signed. In accordance with the Project Authorization, the Cooperative Grant Agreement provided for all commodities and services procured with grant funds to be of U.S. source and origin.

The NJMSC has now requested A.I.D., consistent with their contemplated procurement procedures set forth in their Project Proposal, to in effect (1) authorize local cost financing for certain elements of the Project and (2) waive two aspects of A.I.D.'s rules for local cost financing as set forth in Chapter 18 of A.I.D. Handbook 1, Supplement B. The waiver would permit procurement of shelf items from local stocks in Israel and Egypt in instances when the price per item exceeded the U.S. dollar equivalent of \$2,500 and would permit local cost financing in excess of 10% of the total costs authorized for the Project. A price per item limitation of \$12,000 would be acceptable. The total amount of Project procurement to be carried out under A.I.D. local cost financing procedures will be the local currency equivalent of \$260,000.

The NJMSC in requesting A.I.D. to permit local cost financing in amounts which will require waivers as described in (1) and (2) above, has stated that the Project, which is made up of various subactivities involving NJMSC support of a number of institutions in Egypt and Israel, will be greatly expedited by the procurement of certain commodities and services from locally available stocks and firms. The attached note represents a reasonable estimate of the items and amounts to be so procured.

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We support the NJMFC request as representing a reasonable means of project financing and procurement which by permitting the continuation of local procurement patterns of participating institutions, will permit the most efficient and expeditious means of purchasing needed items by the participating institutions. In order to implement the local cost financing procedures, as well as other project procurement by NJMFC, a letter of instruction will be issued to NJMFC detailing the procedures and constraints involved in local cost financing.

Pursuant to A.I.D. Handbook 1, Supp. B Ch. 18B, you, the official authorizing the Project, have authority to authorize local cost financing and to waive policies for local cost financing set forth therein.

Recommendation: Your signature below, will authorize (1) local cost financing up to the amount of the local currency equivalent of \$260,000 and (2) procurement of individual items exceeding the local currency equivalent of \$2,500, but not exceeding the local currency equivalent of \$12,000. All other policies set forth in A.I.D. Handbook 1, Supp. B Ch. 18 for local cost financing shall apply to this Project. Also your signature of approval, below, will determine in accordance with Section 612(b) of the Foreign Assistance Act of 1961, as amended, that U.S.-owned local currency in Egypt is fully programmed and thus is not available to this Project. This rationale is consistent with reasons advanced by USAID/Cairo for approvals of local cost financing for FY 80 projects which have been approved by the Administrator.

Section 612(b) Determination

The expenditure of United States dollars for the procurement of goods and services in Egypt is required to fulfill the purposes of the project, the purposes of the project cannot be met effectively through the expenditure of U.S.-owned local currencies for such procurement and the administrative officials approving local cost vouchers may use this determination as the basis for certification required for Section 612(b).

Your approval is recommended.

BRAUSHAW LANGMID, JR.  
Bradshaw Langmaid, Jr. (Acting)

OCT 24 1980

Date

Clearances:

NE/TECH/AD:Ksnerper \_\_\_\_\_ Date \_\_\_\_\_  
NE/DP:McMoll \_\_\_\_\_ Date \_\_\_\_\_  
SER/CM/ROD:Sheishman \_\_\_\_\_ Date \_\_\_\_\_  
GC/NE:JLKessler \_\_\_\_\_ Date \_\_\_\_\_

Drafted:GC/NE:TCarter:paj:10/08/80  
Retyped 10/23/80

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2980190

JUN 24 1980

ACTION MEMORANDUM FOR THE ACTING ASSISTANT ADMINISTRATOR, NE

FROM: NE/TECH, Lewis Reade *lpr*

SUBJECT: Cooperative Marine Technology Project for the Middle East (AID Project Number 298-0161)

Problem: Your signature is required to (1) approve this project which will require a grant of \$4,238,000 from the Economic Support Fund and, (2) to approve negotiation of a Cooperative Agreement with the New Jersey Marine Sciences Consortium (the Consortium) to carry out project activities for the Cooperative Marine Technology Project for the Middle East. Initial funding in FY 80 would be \$400,000.

Background: The Near East Advisory Committee reviewed the attached unsolicited proposal for Cooperative Marine Technology for the Middle East on December 13, 1979. Following extensive discussion, the Committee recommended approval of the proposed project. Funding will be provided in at least three increments over the three year life of project, subject to:

- 1) Availability of funds under the FY 80 Continuing Resolution and the FY 81, and FY 82 Appropriation Acts;
- 2) Satisfactory technical progress by the Consortium;
- 3) Progress toward meeting the political objectives of the Regional project.

The Consortium, after several meetings, numerous letters, and phone conversations with cognizant AID offices, submitted the original version of this proposal to AID/W on August 16, 1979. The proposal underwent several revisions, was reviewed numerous times by a project review committee, and, in its present form, is recommended for your approval. In the process, the proposal, which initially contained nine subproject activities, has been revised to include the following seven, listed in order of priority, i.e., in terms of regional cooperation and technical contribution as assigned by the review committee:

1. Coastal Management
2. Biological Productivity
3. Lake Manzalah/Kinneret
4. Controlled (Fish) Reproduction
5. Tilapia (a fish species) Research
6. Intensive Fish Culture
7. Aspects of (Fish) Production

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The Project activities will incorporate a general evaluation plan modeled after the AID Logframe. A more detailed project specific evaluation plan is being developed by the Consortium using guidelines from NE/DP. Evaluation will constitute one of the criteria used to determine funding levels for future increments of the project. (As a result of the evaluation process, an adjustment in scope or discontinuation of specific subactivities may occur. Thus the project contains a built in mechanism which should facilitate progress toward, and achievement of, its objectives.)

The New Jersey Marine Sciences Consortium, administrative entity for the project, was formed in 1968 and has a membership of twenty-three educational institutions from New Jersey and Pennsylvania. The purpose of establishing the Consortium was to conduct research and educational programs leading to the prudent development, use, and conservation of marine resources.

The specifics of each subproject activity are summarized as follows:

1. Coastal Management and Shore Processes: Coastal erosion of the Southeast Mediterranean has become a problem since the Aswan Dam became operational, trapping silt which would normally add to the coastline, or at least allow it to stabilize. The subproject consists of a study which will attempt to determine the forces which shape the coastline in order to develop recommendations for prevention and control of additional erosion.
2. Biological Productivity: The operation of the dam has also caused a significant decrease in commercial fisheries in the eastern Mediterranean. This subproject centers on a study of the hydrography and marine fisheries of the region. The outcome is expected to be a better understanding of the food chain dynamics of the region.
3. Lake Manzalah/Kinneret: A lake management subproject will also be undertaken to ensure high water quality and maximization of fishery resources in these two lakes.
4. Controlled Reproduction of Commercially Important Fish: The objective will be to conduct research aimed at prolonging the breeding season of specific marine fish common to both participating countries.
5. Tilapia Research: The objective of this subproject will be to advance applied research in the specific areas of the culture of Monosex Tilapia and the polyculture of fish using tilapia, carp, mullet and catfish species.



PROJECT AUTHORIZATION

Name of Country: Regional

Name of Project: Cooperative Marine  
Technology For The  
Middle East

Number of Project: 298-0160

1. Pursuant to Part II, Chapter 4, Section 531, of the Foreign Assistance Act of 1961, as amended, I hereby authorize the Cooperative Marine Technology Project for the Middle East involving planned obligations of not to exceed \$4,238,000 over a three year period from the date of this authorization subject to availability of funds in accordance with the A.I.D. OYB/allotment process to help in financing foreign exchange costs for the project.
2. The Project consists of seven sub-activities in which research will be conducted on the following regional concerns:
  - a. Assessment of the impact that the construction and operation of the Aswan High Dam have had on fish production and coastal erosion in the southeastern Mediterranean area,
  - b. lake management,
  - c. controlled reproduction of certain fish species,
  - d. tilapia (a fish species) production,
  - e. intensive fish culture, and
  - f. various aspects of fish nutrition.
3. The Project shall be implemented by means of a Cooperative Agreement between A.I.D. and the New Jersey Marine Sciences Consortium.
4. Goods and Services except for ocean shipping, financed by A.I.D. under the Project shall have their source and origin in the United States except as A.I.D. may otherwise agree in writing. Ocean shipping financed by A.I.D. under the Project shall, except as A.I.D. may otherwise agree in writing, be financed only on U.S. flag vessels.



Alfred D. White

6-27-62