

Project Title Fish Production through Improved Fish Culture  
Project No. 931-11-180-<sup>787</sup>~~786~~ Contract No. CSD- 2270?  
Contractor Auburn University Contract Representative Prof H. S. Swingle  
Project Monitor George K. Farman Extension 29756

1. Project Goals and Justification

The objectives of this project are

- a. To provide experts for surveys, on Mission request, to assess the potential for aquaculture in the IDCs, and to develop projects as appropriate.
- b. To provide technical staff to ongoing projects in IDCs.
- c. To provide short-term or TDY technical consultation to IDCs on Mission request.
- d. To conduct applied research and, develop technical information, collate and analyze research data, and develop techniques as back-stopping to ongoing projects.

The justification is the potential of modern aquaculture to provide significant yields of needed animal protein at a substantially lower cost than other animal protein production, and the need, therefore, to begin a systematic consideration of this area in A.I.D.

2. Evaluation of Contractor's Performance

All country surveys have been handled expeditiously and with competence. Reports have been submitted promptly and in succinct and readable form. Project planning and implementation has been good. The Auburn personnel have been well received and have engendered increased interest in aquaculture as a result of their activities.

3. Major Issues to be Resolved

Whether sufficient fish culture projects and further Mission request for surveys, consultations, etc. are going to be forthcoming to warrant continued support of the Auburn contract.

This contract, with the completion of the surveys scheduled, will have generally achieved its goals and further maintenance of a staff at Auburn for the specific purpose of the contract are not warranted unless more requests for assistance come from Missions.

However, there is a need for this type of expertise to be available on a long-term basis which can best be met through a 211(d) grant. Auburn has submitted such a proposal. If 211(d) funds are available to Auburn by July 1, 1970, only a relatively small amount of central funding will be needed to complete scheduled surveys and to fulfill further requests which may arise in FY 71. If 211(d) funds are not available by July 1, interim funding will be needed to complete scheduled projects.

#### 4. Accomplishments

- a. Eighteen countries have been surveyed and reports rendered on each.
- b. A project has been developed for the Philippines which will be implemented when Philippine Government financing has been arranged.
- c. Projects are being developed in Pakistan and Colombia.
- d. One staff member has been provided to an ongoing aquaculture project in Brazil and a second expert is expected to be requested in FY 70.
- e. Auburn is maintaining a formalized and continual assistance program in aquacultural research and training in Thailand.
- f. Requests have been received from Tanzania, Panama, Paraguay, Kenya and Mauritius for surveys which are being scheduled over the next 5-6 months.

#### 5. Recommended Course of Action

a. Assuming 211(d) funds are available by July 1, 1970, extend the present contract for one year, utilizing unexpended funds estimated at \$15-20,000 and adding an additional \$70,000. This amount would

- (1) Complete scheduled surveys;
- (2) Cover additional requests for surveys that may be received;
- (3) Provide for holding one or more regional seminars on aquaculture if sufficient interest develops.

b. Assuming delayed 211(d) funding - renew the contract for six months at current level of funding (approximately \$170,000 or 50% of present annual cost) to complete the goals of the contract.

c. In either case, review the project and its funding in October 1970.