

ASEAN AGRICULTURAL DEVELOPMENT PLANNING CENTRE

Background

The establishment of the ASEAN Agricultural Development Planning Centre (ADPC) was endorsed by the Second Meeting of the ASEAN Ministers on Agriculture and Forestry, Chiangmai, 20-21 February 1980. Its main objectives are:

- (i) to strengthen the agricultural development capability of member countries through training government personnel in agricultural development planning strategies and methodologies;
- (ii) to construct and verify regional planning models; and
- (iii) to undertake studies and research, and make recommendations on ASEAN agricultural policies.

2 The ADPC project, funded by the United States Agency for International Development (USAID), commenced on 28 August 1980. The Board of Planners (BOP), consisting of representatives from ASEAN member countries and chaired by Thailand, was created to oversee the programmes and activities of the ADPC.

3 The activities of ADPC are mainly on research and training. It carries out research and studies assigned by the ASEAN Ministers on Agriculture and Forestry (AMAF) and the ASEAN Committee on Food, Agriculture and Forestry (COFAF). ADPC also conducts short and long term courses on agricultural planning methodologies. In recent years, AMAF has increasingly used the ADPC to prepare working papers for their deliberations.

4 The ADPC has accomplished the following:

- (a) Trained ASEAN planning technicians under 4 training programmes (Leader Group, Special Group, Micro Group and Technical Group);

- (b) Completed or on-going research studies on:
- (i) food security reserves;
 - (ii) baseline information on member countries' agricultural economics and their planning efforts;
 - (iii) basic policy on cooperation in food, agriculture and forestry;
 - (iv) production and marketing of rice, rubber and oil palm;
 - (v) the role of agriculture in combatting malnutrition;
 - (vi) fertiliser self-sufficiency;
 - (vii) socio-economic indicators of agricultural development for planning purposes; and
 - (viii) agricultural wage structure in ASEAN.
- (c) Construction and coordination of the ASEAN Development Model for Agricultural Planning (ADM-AP) and the In-Country Regional Model for Agricultural Planning (INCREMAP). These are for use in analysing agriculture and forestry among ASEAN countries; and
- (d) establishment of ASEAN Agri-DATA System (an acronym for ASEAN Agricultural Data Accumulation Technique/Analytical System) and publication of the first ASEAN Statistical Yearbook on Food, Agriculture and Forestry.

Current Status

5 ADPC, funded mainly by the US Government, will end in May 1986. The Thai Government had provided counterpart funds corresponding to about a third of that of the US.

6 The objective of Phase II (June 1986 to May 1991) of ADPC is to continue serving as a planning arm of COFAF and its subsidiary bodies in ASEAN's efforts to strengthen cooperation in food, agriculture and forestry.

7 The scope of work is:

- (a) Continuous updating and strengthening of the analytical ability of the ADMAP.
- (b) Continuous collection and publication of selected ASEAN statistics on food, agriculture and forestry.
- (c) Holding of short courses, workshops and/or seminars on (a) and (b) above. Collaboration with selected academic institutions in ASEAN member countries in implementing a post-graduate degree programme in agricultural planning that will involve ASEAN planning technicians.
- (d) Carry out policy-oriented research studies for the ASEAN Ministers on Agriculture and Forestry and COFAF.
- (e) Provision of necessary administrative support to the activities described above.

8 The duration for Phase II is proposed for 5 years (June 1986 to May 1991) or for an indefinite period paralleling that of COFAF's existence, should a trust fund be made available. The cost for the 5-year project is US\$2,016,000 or US\$3,360,000 on a trust fund basis.

9 The project proposal on ADPC Phase II was submitted to the 6th ASEAN-US Dialogue held in 1985. The Meeting agreed to consider further assistance for the Phase II after evaluation of Phase I in June 1985. The 7th BOP Meeting of ADPC held in Bangkok in July 1985 agreed that the full project proposal for ADPC Phase II should be prepared for final consideration at the 8th BOP Meeting to be held in Bangkok on 10-14 March 1986. The Meeting further agreed that the proposal should be submitted to USAID for funding in the first instance.

10 The original proposal on ADPC Phase II has been endorsed by the 14th COFAF Meeting held in Denpasar, Indonesia in 1984 and approved by the 17th Meeting of the ASEAN Economic Ministers held in Kuala Lumpur in 1985 for third party funding.

11 The project proposal for ADPC Phase II is attached.

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PROPOSED PHASE II

OF THE

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AGRICULTURAL DEVELOPMENT
PLANNING CENTRE

(ADPC II)

Bangkok , Thailand

21 February 1986

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PROPOSED PHASE II
OF
THE ASEAN AGRICULTURAL DEVELOPMENT PLANNING CENTRE
(ADPC II)

I. PROJECT BACKGROUND

In January 1984, Brunei Darussalam joined ASEAN thereby increasing its membership to six, namely: Brunei Darussalam, Indonesia, Malaysia, the Philippines, Singapore and Thailand. In 1983, total population in ASEAN was 277 million, roughly 36 per cent more than the 1970 population, increasing at an average of 2.47 per cent per annum. The ASEAN countries in general are basically agricultural. More than half (57 per cent in 1980) of the economically-active population are still engaged in agriculture-related activities. Over one-third of the value of the region's exports is derived from agriculture, fishery, and forestry products and other agricultural requisites, while the agriculture sector's contribution to gross domestic product although declining over time is in the range of one-fourth to one-fifth of total gross domestic product.

In the 1980's, the ASEAN region achieved significant successes in raising overall agricultural productivity. This is especially true in the production of food and other strategic crops like rice, sugar, etc. However, surplus production of these crops in the ASEAN has created the second generation problem of finding suitable markets for them outside the region. Moreover, falling prices for the region's traditional agricultural product exports in the world market have affected domestic prices which, in turn, have resulted in diminished agricultural incomes of the small farmers and rural workers. The protectionist policies adopted by many countries have compounded the problem of surplus agricultural production. It may therefore be necessary for the ASEAN member countries to take the necessary measures, to develop sound short-term and long-term agricultural policies with immediate impact that would help maintain the desired growth of the agricultural economy.

Agricultural development planning and policy analysis are important tasks that most of the ASEAN countries have been vigorously attempting to carry out with highly visible positive consequences especially after the 1972 crop shortfalls. The need for improved planning techniques is now even more keenly felt by the ASEAN member countries because of the recent world wide recession. However; because agriculture deserves priority attention as the backbone of most economies in ASEAN, agricultural development planning to be effective and sound, must be given special attention and therefore, the people who would be responsible for planning and policy analysis should be technically capable and especially trained to do the job. In addressing this particular problem, the ASEAN Agricultural Development Planning Centre (ASEAN ADPC) was established in 1980/81 arising from the recognized constraints at the time (a) that there were insufficient numbers of technically trained personnel in agricultural development planning, especially at the high levels, (b) that the few trained planners in the ASEAN countries are hampered in planning by inadequate data computation, dissemination and storage/retrieval systems, and (c) consequently, resulting in the existing shortfall in the quality and effectiveness of the agricultural development planning process. Indeed, after five years the ADPC has greatly contributed to the improvement of the agricultural planning capabilities and the understanding of agricultural development planning and policy issues through the training of planning staff of ASEAN member countries and the conduct of research and planning activities. Such significant contributions and accomplishments are reflected in ANNEX A.

The project (Phase one) was evaluated in June-July 1985. The evaluation team pointed out as a conclusion and a recommendation, the necessity of continuing the task of strengthening the agricultural development planning capability of ASEAN member countries through training, and research & planning activities. This view is also shared by the ASEAN member countries since the region is still much in need of more highly trained planners and policy analysts in the different

sub-sectors such as in food, agriculture, fishery and forestry. The advent of two-way and multi-level planning in the agriculture sector of ASEAN member countries have likewise increased the total number of agricultural personnel, thereby exerting more pressure on the demand for training related to agricultural development planning. The extension of the ADPC project, Phase Two, is therefore proposed in order to achieve the overall objective of completing the thorough strengthening of the planning capability of ASEAN member countries through training, research & planning activities and in the process help promote cooperation and understanding of issues and problems of agricultural development.

II. SCOPE OF THE PROJECT

A. Site and Duration

The Project is a 5-year program which will involve planning divisions of the Ministry of Agriculture in the six member countries and the implementation arms of these same Ministries to verify data generated at the national and regional (in-country) level. The project base will be Thailand and the country coordinator for the project will be the host country.

B. Objectives of the Project

1. Long-Range Objectives

Continued existence of the ADPC (under Phase II) would further strengthen the agricultural development planning capabilities of planning units of the member countries of ASEAN especially those involved in food, agriculture, fishery and forestry planning such that commonality may be achieved by member countries in terms of close cooperation in the formulation of regional policies, plans and programs and their implementation. It would also be able to provide continuous support to

ASEAN COFAF and its subsidiary bodies in furnishing relevant data and information generated by the research and planning component and the agricultural data collection component.

2. Immediate Objectives

2.1 To implement strengthened short-term and long-term training programs in the field of agricultural development planning and analysis, to train planning staff in the member countries involved in food, agriculture, fishery and forestry, and arrange for seminars and workshops including short courses related to agricultural development planning, there will be done in close coordination with government institutions and agencies in Thailand (e.g., the Office of Agricultural Economics and Kasetsart University) as well as with other member countries.

2.2 To further develop and operate a system of agricultural data collection, analysis, storage, retrieval and dissemination for use by ASEAN in regional development planning .

2.3 To conduct and/or implement research and planning studies in areas like agricultural development planning and policy analysis, etc.; as may be commissioned by COFAF and other higher ASEAN bodies, studies that would promote greater understanding of the problems in the agriculture sector of ASEAN countries and enhance closer cooperation in pursuance of their solutions .

C. Detailed Project Description

1. Project Components

1.1 Training

The training component is designed to achieve the long range objectives of the ADPC II and specifically to follow-up on the

successful training activities under Phase I, incorporating all the relevant recommendations contained in the ADPC evaluation report. The training component has 3 sub-components classified according to the nature of training activities, namely : (1) degree training; (2) non-degree training; and (3) co-ordination with institutions and national and international organizations.

1.1.1 Degree Training The Technician Group (TG) Training Programme (leading towards a Master's Degree in Agricultural Economics)

The objective of this sub-component is to train technical personnel of the ASEAN countries involved in or responsible for planning, research and/or policy analysis in the field of food, agriculture and forestry in their respective countries, such as to increase the number of highly trained personnel of national and regional (in-country) agricultural planning offices of the ASEAN countries. To achieve this objective, the ADPC shall continue the Technician Group (TG) Training Programme which has been proven highly successful in the ADPC Phase I. The full details of the program are indicated in ANNEX B.

The duration of the TG training program will be two years and three months. The first three months will be devoted to the attendance of a refresher course, while the remaining two years will be devoted to regular course work (graduate study) leading to a masteral degree (M.S.) in agricultural economics.

1.1.2 Non-degree Training

There will be two non-degree training programs, as follows :

a) Micro Group (MG) Training Program

The purpose of the Micro Group (MG) training program is to train government personnel in the member countries on agricultural

project planning strategies and methodologies, including the acquisition of project formulation, monitoring and evaluation skills and techniques.

The MG program shall be, as before, a three-month intensive training program in project planning, formulation, implementation, monitoring and evaluation. The first one and a half months will be devoted to class lectures, case studies and workshops. The second half of the training period will be devoted to supervised field practise in project monitoring and evaluation, and the preparation of project proposals under the close supervision of invited experts (who will act as group advisors) and the ADPC staff.

There shall be two MG sessions per year under the program and each session shall involve 2 participants from each member country. Other details of the MG program may be seen in ANNEX C.

b). Special Group (SG) Training Program

There is increasing awarness by Member Countries that the process of agricultural development planning has becomes more complicated as the whole economy expands. Furthermore, new planning tools and approaches have been developed for better planning. Thus the ADPC, by its function and objectives, finds it important to provide an opportunity for senior agricultural planners, researchers, and policy makers in the ASEAN countries to share their interest and experience, and to keep them abreast of recent developments in agricultural planning tools and approaches. This program has thus been disigned to address this need. To carry out this program, a ten-day seminar cum workshop on a selected topic relating to agricultural development planning or on specific analytical tools and techniques in planning, shall be organized once each year for a group of twelve comprised of senior agricultural planners, policy makers or research leaders from the ASEAN member countries. The details of the SG program may be seen in ANNEX D.

1.1.3 Co-ordination with Other Institutions as well as with National and International Organizations

There is a great potential and possibility for the ADPC to co-ordinate with relevant institutions and funding agencies in and outside of ASEAN in conducting trainings, seminars and workshops related to the activities of the Centre. To achieve this, the following activities are outlined :

a. Accept a limited number of participants who are supported financially by outside assistance to join in the training programs conducted by the ADPC. The number should be limited such that it will not jeopardize the harmony and quality of the training program. In this connection, the Centre will charge overhead cost equivalent to 20 to 30 per cent of the total Training Program cost per participant.

b. For joint trainings or workshops sponsored by national and international institutions, the ADPC will actively seek cooperation with such relevant institutions in the conduct of trainings and workshops which are appropriate for the ASEAN countries.

c. In conducting and organizing trainings commissioned by national or international institutions or organizations, ad hoc arrangements shall be entered into between the institution concerned and ADPC for a special training activity according to the needs of the institution concerned. In this case, all related costs involved plus an overhead cost equivalent to 20 to 30 percent of the total budgetary cost shall be charged to the institution concerned.

1.2 Agricultural Data Collection System Component

Recognizing the prime importance of a reliable data to planners, researchers and decision-makers, the ADPC under phase I in close cooperation with the national statistical agencies in the member

countries have successfully operationalized a network system of collecting ASEAN data on food, agriculture and forestry.. As a result, two issues of the ASEAN Statistical Yearbook on Food, Agriculture and Forestry have been published; a third one will be ready for distribution in May 1986. As expressed by the Secretary-General of the ASEAN Secretariat, he felt that the Yearbook will certainly be a concrete step towards implementing the mechanism for ASEAN economic cooperation as contained in the Declaration of ASEAN Concord.

The Agricultural Data Collection System is aimed towards the improvement of the established data collection system under Phase I, i.e., efforts will be geared in enhancing reliability, comprehensiveness, relevance, timeliness and uniformity of data and information collected, collection of missing information, improving the form of presentation of the existing data; improving efficiency in processing with special reference to computerization and the extension of data coverage; and statistical analysis to render the data more useable and useful for planning purposes.

The activities under this component will be attuned to the ASEAN Secretariat's "ASEAN Data Collecting System" where it is envisaged that the ADPC Agricultural Data Collection System will eventually be incorporated into the ASEAN Secretariat's System. The specific activities to be carried out are as follows:

1.2.1 Collection of data and information (on a periodic basis) related to food, agriculture and forestry in the ASEAN region.

1.2.2 Publication of an ASEAN Statistical Yearbook in Food, Agriculture and Forestry and other statistical references of interest, on a periodic basis.

1.2.3 Analysis of the data to show, for example, trends, significant changes, cross references, correlations; regression analysis; and other types of analyses to render the data more readily useable and useful for planning for development in the food, agriculture and forestry sectors.

1.3 Research and Planning Component

The Centre's research activities shall focus on issues and problems related to agricultural development planning and policies that are of great concern to the ASEAN member countries. In this context, the following activities shall be pursued :

1.3.1 The conduct of researches/studies that are commissioned by and/or assigned to ADPC by the ASEAN Committee on Food, Agriculture and Forestry (COFAF) or by other ASEAN bodies through COFAF.

As in the past, COFAF and other higher ASEAN bodies within the Association's framework have commissioned or assigned the Centre to conduct researches or studies on topics and issues that are useful for policy and decisions-making affecting ASEAN cooperation in food, agriculture and forestry. It is therefore presumed that the Centre will continue to be asked to undertake research/study on certain topics or issues of great importance from time to time. In order to implement these directives, project funds shall be earmarked and utilized for this purpose.

1.3.2 The periodic review of policies and update information on agricultural programmes in ASEAN member countries as they affect and promote ASEAN cooperation in the agriculture sector.

This particular activity is in line with what was expressed at the 5th of the Meeting ASEAN Ministers on Agriculture and Forestry suggesting that the Centre should regularly provide comprehensive reviews on agricultural policies and programs of ASEAN

countries for information to COFAF. This information, which is to be updated on a regular basis, will be extremely useful in COFAF's effort to promote regional cooperation in the agriculture sector.

1.3.3 Assist in the formulation of research and/or study proposals on selected agricultural policy and planning issues/topics for funding considerations by outside institutions, organizations and agencies; and the subsequent conduct and implementation of these directly funded research activities.

The Centre, in order to broaden its capabilities in providing relevant information that would foster close cooperation and understanding on issues relating to food, agriculture and forestry (e.g., in the form of agricultural policy analysis and planning), shall prepare research/study proposals and submit to outside institutions, organizations and agencies for possible funding assistance.

2. Organization of the ASEAN ADPC (Phase II)

2.1 The ASEAN ADPC Board of Planners

The Board shall be composed of one representative from each member country's agricultural policy and planning bureau (or its equivalent) of each member country and the Director of the ASEAN ADPC who will also act as the Secretary of the BOP. The functions of the Board are to :

- a) plan and manage on a continuing basis the various activities to be undertaken by the Centre;
 - b) approve and oversee the disbursement of project funds;
- and
- c) keep the ASEAN COFAF informed of project development and to seek COFAF policy guidance in case of need.

2.2 Director

To run the office in Thailand, the Director of the ASEAN ADPC shall be a Thai national and shall be responsible inter alia for the execution and administration of the work program. In discharging his executive and administrative functions he shall be guided by the ASEAN ADPC Board of Planners. In implementing the work activities, he shall co-ordinate with the competent authorities of participating countries and other regional or international organizations concerned. In addition, he shall direct all project activities. To the extent that his time permits, he shall also participate in training, research, planning advisory services and other functions of the Centre.

2.3 Administrative Staff (Support Services)

The main duties of the administrative staff are to carry out the work of providing administrative support; supervision over and maintenances of equipment, storage, and other property of the Centre; arrange for travel and use of registry facilities; and arrangement of classrooms, seminar rooms, cafeteria and accommodation for the participants in the Centre's activities and amenities for other visitors. Part of the support services, which is directly under the Director, shall include the computer support which consists of the computer facilities and staff.

2.4 Training Staff

The main duties of the Training Staff are to coordinate with the academic as well as other staff of applied institutions in Thailand towards the development of training curricula, and to arrange for the services of the teaching staff, participate in instructional activities and assist trainees and meeting participants in their official needs. They shall also be responsible for the monitoring of academic progress of participants and in guiding the participants' own planning and policy analysis research projects.

2.5 Agricultural Data Collection System Staff

The main duties of the staff are to collect data on food, agriculture and forestry of ASEAN through the contact persons in the member countries; to check, verify, process, update, etc., the data received to ensure maximum reliability, comprehensiveness, relevance, timeliness and uniformity of the data collected. They shall collect also missing data, improve the form of presentation of existing data, improve efficiency in processing with special reference to computerization, extension of data coverage and responsibility for publishing of the ASEAN Yearbook on food, agriculture and forestry.

2.6 Research and Planning Staff

The main duties of the research and planning staff are to conduct and/or implement specific research assignments given by the ASEAN COFAF and other higher ASEAN bodies; to conduct a periodic review of agricultural policies and programs in the member countries; to assist in the field of agricultural development studies; and to assist in teaching and advisory services. They shall also assist in formulating research proposals in areas related to agricultural development planning and policy analysis/issues for consideration by outside institutions for funding assistance and to implement the same in accordance with the terms and reference of the research proposal.

2.7 Consultants

Consultants shall provide expert technical advise to the Centre on activities in agricultural development planning, research, agricultural data collection and training.

3. Project Inputs

In this section all direct and associated costs and relevant sources of funding, where applicable, are as indicated in the Financial Analysis.

3.1 Technical Support

3.1.1 Data processing services and the service of a computer specialist to assist in setting up and operationalizing the proposed data collection and information referral system.

3.1.2 Other short term consultancies as needed for the general implementation of this project and to ensure the achievement of expected project outputs.

3.2 Training Component

3.2.1 Trainees At least two hundred and four (204) national, regional planners and implementation officers shall be trained under this project's short term and long term (with an option of pursuing a Master's Degree at Kasetsart University) training programs. A detailed breakdown of this is given in Table 1 :

Table 1 Number of Participants by Training Program
(May 1987 - June 1992)

| | Y E A R | | | | | Total |
|------------------------------------|------------|------------|------------|------------|------------|-------|
| | 1 87/88 | 2 88/89 | 3 89/90 | 4 90/91 | 5 91/92 | |
| Degree Training | | | | | | |
| TG | 12 | 12 | 12 | | | 36 |
| Non-degree Training | | | | | | |
| MG | 24 | 24 | 24 | 24 | 24 | 120 |
| SG | 12 | 12 | 12 | 12 | | 48 |
| Other Joint Training ^{1/} | 12 | 12 | 12 | 12 | 12 | 60 |
| Total | 60 | 60 | 60 | 38 | 36 | 264 |

Note : ^{1/} With the expectation of holding one joint training program with a National or International Institution each year.

3.2.2 The training component staff consisting of one senior staff and two training assistants to arrange and conduct the scheduled courses along with the assistance of a number of specialized teachers, demonstrators and visiting lecturers.

3.3 Agricultural Data Collection System Component

The component staff consisting of one senior staff and one statistical assistant to engage in data collecting, collating, storage, retrieval and dissemination (in the form of publications) activities.

3.4 Research and Planning Component

The Research and Planning component consisting of one senior staff and one research assistant to conduct and/or implement the research and planning activities.

3.5 Administration Component

Fifteen (15) administrative support personnel are needed to enable the smooth running of the Centre and its program. The detailed breakdown of administrative staff is given in Table 2 :

Table 2 Breakdown of Administrative Staff

| Position | Number |
|----------------------------|--------|
| Director | 1 |
| Computer Programmer | 1 |
| Secretary | 1 |
| Accountant | 1 |
| General Disbursing Officer | 1 |
| Office Clerks | 2 |
| Drivers * | 3 |
| Janitors * | 3 |
| Guards * | 3 |

* Staff salaries supported by the Royal Thai Government.

3.6 Equipment

The list of equipments needed is in Table 3.

Table 3 Breakdown of Equipments

| Description | Number (Unit) |
|---|------------------|
| 1. Time-recording Machine | 1 |
| 2. Classroom chair | 20 |
| 3. Chair a) ADPC Staff | 15 |
| b) for Meeting room | 25 |
| 4. Typewriter (IBM) | 2 |
| 5. Desk calculator | 2 |
| 6. Duplicator | 1 |
| 7. Photo-copying machine | 1 |
| 8. Bookcase | 6 |
| 9. Filing cabinet | 7 |
| 10. Steel cabinet | 5 |
| 11. Rider cabinet | 4 |
| 12. Wireless microphone & loud-speaker | 1 set |
| 13. Book & Reference Material (for 5 years) | |
| 14. Vehicles | |
| a) Mini-bus (12-seater) | 1 |
| b) Car (4-door sedan) | 1 |

4. Expected Project Outputs

In general, the expected outputs of this project are :

4.1 An increasing number of capable ASEAN planners in the fields of food, agriculture and forestry who shall serve more efficiently to fill the planning needs of both the member countries of their origin and ASEAN as a whole.

4.2 A comprehensive compilation of regional agricultural data on food, agriculture and forestry which the relevant agencies/bodies of ASEAN could make use of, either for academic, analytical and/or planning purposes.

4.3 A periodic and timely update of ASEAN agricultural policies and programs that are necessary to promote regional cooperation activities in the agriculture sector.

4.4 A collection of policy-related research studies on issues which are of great concern to the ASEAN region, in order to foster cooperative and interactive activities in food, agriculture and forestry.

5. End of Project Status

The Project to be financed under USAID grant fund shall terminate in 1992. On the reasonable assumption that the ASEAN member countries shall continue to regard improvement of agricultural development planning as a priority goal, the ASEAN ADPC could be transferred to another specific project that may be proposed for submittal to international, bilateral or independent institutions for financing consideration. However, this does not preclude the continuation of funding by USAID.

III. PROJECT ANALYSIS

A. Technical Analysis

1. Appropriateness of Project

The strategic issue is whether the project including the technology proposed, is appropriate and timely.

The agricultural/rural sector situation in individual ASEAN countries with an agricultural economy is very similar to that of the other developing countries of the world. USAID's Agricultural Policy Paper, which is based on extensive research and review of the past performance of developing countries, concludes that very high priority should be given to improving planning and policy making capability.

Success of this project will ultimately depend on whether the top decision makers in ASEAN countries recognize the pressing need for improved planning and policy-making, and have the will required to take the necessary action, including a major reorganization if that is what is needed to deliver coordinated programs.

The ASEAN ADPC will provide training, planning exercises, applied research, technical assistance and commodities to relieve the identified constraints.

The ASEAN countries having given careful, detailed consideration to all aspects of the issue, have concluded that the proposal to extend the project life of ADPC for another five years after May 1987 is completely appropriate and timely, another step towards institutionalization.

2. Constraints

While every effort has been exerted in identifying potential constraints and subsequently incorporating the necessary counter-balancing factors in the project to overcome them, the emergence of residual and unforeseen constraints during the project implementation has not been discounted. In such an event, the ASEAN member countries are confident that they, acting in unison, could resolve such constraints as and when they arise.

3. Environmental Concerns

In the implementation of the project, no environmental assessment should be needed since the project will only cover training, data collection, planning and research activities.

B. Financial Plan and Analysis

1. Summary of Project Budget

The USAID contribution over the five (5)-year life of the project shall be US\$ 2.93 million. ASEAN in kind and budgetary support is estimated to be US\$ 0.91 million.

Table 4 provides a summarized financial plan for the project. USAID funds will be used to support the project director and his staff and the project activities, including an allowance for contingencies. Project costs include costs for core staff, commodities, equipment and operation expenses. Project activities include costs for consultants' services (US and ASEAN), training, agricultural data collection system, research and planning.

Table 4: Summary of Cost Estimates and Financial Plan
for the Entire Project Life

| | (1,000 US\$) | | |
|---|--------------|---------------------|----------|
| | USAID | ASEAN | TOTAL |
| 1. <u>Project Director's Office</u> ^{1/} | | | |
| a. The Board of Planners ^{1/} | - | 43.50 | 43.50 |
| b. Administrative Staff | 336.00 | - | 336.00 |
| c. Supporting Staff | - | 45.00 | 45.00 |
| d. Office Space | - | 480.00 | 480.00 |
| e. Computer Service | - | 9.60 | 9.60 |
| f. Equipment | 45.20 | - | 45.20 |
| g. Commodities | 31.50 | - | 31.50 |
| h. Operation & Maintenance | 294.60 | 88.00 | 382.60 |
| Sub-Total | 707.30 | 666.10 | 1,373.40 |
| 2. <u>Project Activities</u> | | | |
| a. Consultant | 65.00 | 21.60 ^{1/} | 86.60 |
| b. Training | 1,134.37 | 40.80 ^{1/} | 1,175.17 |
| c. Agricultural Data Collection System | 204.43 | 46.00 ^{1/} | 250.43 |
| d. Research & Planning | 437.50 | 15.00 ^{1/} | 452.50 |
| Sub-Total | 1,841.30 | 123.40 | 1,964.70 |
| 3. <u>Contingency/Inflation (15%)</u> | 380.49 | 118.42 | 498.91 |
| 4. Total | 2,929.09 | 907.92 | 3,837.01 |

^{1/} including services for consultants contact persons for data collection and research activities, training and field trip arrangements.

2. Funding Responsibilities

Aside from the US Government grant funds for the Project, the ASEAN will assume a portion of the ADPC's operating support costs. The grant funds will be utilized in accordance with the budget line items shown in Table 5. ASEAN contribution, which are mostly in kind with some budgetary support, is shown in Table 6.

3. Relationship to Other Donors

Currently, the ASEAN COFAF has a good number of on-going projects which are being implemented with financing from various donors, such as the ASEAN dialogue countries and international organizations. ADPC, being one of these projects under the ASEAN COFAF, funded by the US Government and hosted by Thailand. From time to time it has been assigned by COFAF and ASEAN authorities concerned to coordinate with other ASEAN agencies, and jointly implement the activities of projects funded by other donors. In view of fund and resource limitations and for the mutual benefit of all parties concerned, ADPC shall adopt the following measures:

3.1 In case ADPC is assigned to coordinate and/c. implement ASEAN-COFAF projects funded by other donors wherein ADPC has to share its existing facilities and/or personnel, then all utilities and overhead costs as well as other related costs shall have to be shared proportionately between or among all parties concerned.

3.2 In the case of activities and/or projects that shall be coordinated or implemented by the ADPC leading to the Centres' institutionalization, the ADPC may commit and/or utilize part of its resources in the execution/implementation of such activities and/or projects. Likewise, the ADPC may use part of its resources to activities that would seek project funds from other donors which would enable its institutionalization.

Table 5 Continued

| Item | Year | Year | | | | | Total |
|---|----------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------|
| | | 1 (Jun.-May) 87-88 | 2 (Jun.-May) 88-89 | 3 (Jun.-May) 89-90 | 4 (Jun.-May) 90-91 | 5 (Jun.-May) 91-92 | |
| 4. Equipments | | | | | | | |
| 4.1. Time-recording machine | 1 Unit | .70 | - | - | - | - | .70 |
| 4.2. Classroom chair | 20 Units | .80 | - | - | - | - | .80 |
| 4.3. Chair a) ADPC staff | 15 Units | 1.32 | - | - | - | - | 1.32 |
| b) for meeting rooms | 25 Units | .80 | - | - | - | - | .80 |
| 4.4. Typewriter (IBM) | 2 Units | 2.40 | - | - | - | - | 2.40 |
| 4.5. Desk calculator | 2 Units | .60 | - | - | - | - | .60 |
| 4.6. Duplicator | 1 Unit | 1.00 | - | - | - | - | 1.00 |
| 4.7. Photo-copying machine | 1 Unit | 4.00 | - | - | - | - | 4.80 |
| 4.8. Bookcase | 6 Units | 1.47 | - | - | - | - | 1.47 |
| 4.9. Filing cabinet | 7 Units | .70 | - | - | - | - | .70 |
| 4.10. Steel cabinet | 5 Units | .60 | - | - | - | - | .60 |
| 4.11. Rider cabinet | 4 Units | .53 | - | - | - | - | .53 |
| 4.12. Wireless microphone & loud-speaker | 1 set | .48 | - | - | - | - | .48 |
| 4.13. Book & reference materials (for 5 years) | | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 6.00 |
| 4.14. Mini-bus | 1 Unit | 11.00 | - | - | - | - | 11.00 |
| 4.15. Car | 1 Unit | 12.00 | - | - | - | - | 12.00 |
| Sub-total | | 45.20 | - | - | - | - | 45.20 |

Table 5. Continued

| Item | Year | 1 | 2 | 3 | 4 | 5 | Tot. |
|--|------|-------------------|-------------------|-------------------|-------------------|-------------------|----------|
| | | Jun.-May 87-88 | Jun.-May 88-89 | Jun.-May 89-90 | Jun.-May 90-91 | Jun.-May 91-92 | |
| 5. <u>Operation & Maintenance</u> | | 58.92 | 58.92 | 58.92 | 58.92 | 58.92 | 294.60 |
| 6. <u>Salaries</u> | | | | | | | |
| - Director 2,700/month | | 32.40 | 32.40 | 32.40 | 32.40 | 32.40 | 162.00 |
| - Senior staff 1,800/month (TrB) | | 21.60 | 21.60 | 21.60 | 21.60 | 21.60 | 108.00 |
| - Senior staff 1,800/month (RPB) | | 21.60 | 21.60 | 21.60 | 21.60 | 21.60 | 108.00 |
| - Senior staff 1,800/m (Agri-data) | | 21.60 | 21.60 | 21.60 | 21.60 | 21.60 | 108.00 |
| - Computer programmer 600/month | | 7.20 | 7.20 | 7.20 | 7.20 | 7.20 | 36.00 |
| - Accountant 600/month | | 7.20 | 7.20 | 7.20 | 7.20 | 7.20 | 36.00 |
| - Secretary 600/month | | 7.20 | 7.20 | 7.20 | 7.20 | 7.20 | 36.00 |
| - General ad./disbursement 500/m | | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 30.00 |
| - Training Aides 500/m X 2 | | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 60.00 |
| - Research Aides 500/m X 2 | | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 60.00 |
| - Clark/Typists 300/m X 2 | | 7.20 | 7.20 | 7.20 | 7.20 | 7.20 | 36.00 |
| Sub-Total | | 156.00 | 156.00 | 156.00 | 156.00 | 156.00 | 780.00 |
| 7. <u>Agricultural Data Collection</u> | | 11.29 | 11.29 | 21.27 | 11.29 | 11.29 | 66.44 |
| 8. <u>Research & Planning</u> | | 59.90 | 59.90 | 59.90 | 59.90 | 59.90 | 299.50 |
| Sub-Total (1-8) | | 582.81 | 565.13 | 533.92 | 457.89 | 408.85 | 2,548.60 |
| 9. <u>Contingency/Inflation (15%)</u> | | - | - | - | - | - | 380.40 |
| 10. <u>Grand Total</u> | | - | - | - | - | - | 2,929.00 |

Table 6 Five-Year Budget of ASEAN Contribution; 1989-1992

(1,000 US\$)

| Year | 1 | 2 | 3 | 4 | 5 | Total |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|--------|
| Item | (Jun.-May) 87-88 | (Jun.-May) 88-89 | (Jun.-May) 89-90 | (Jun.-May) 90-91 | (Jun.-May) 91-92 | |
| 1. <u>Consultant</u> | | | | | | |
| - Travel and per diems during BOP Meetings ^{1/} | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 43.50 |
| 2. <u>Training</u> | | | | | | |
| - Round-trip ticket for IG program participants | 4.16 | 4.16 | 4.16 | 4.16 | 4.16 | 20.80 |
| 3. <u>Operation & Maintenance</u> | | | | | | |
| - Utility & water supply | 17.60 | 17.60 | 17.60 | 17.60 | 7.60 | 88.00 |
| 4. <u>Salaries</u> | | | | | | |
| - Supporting staff | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 45.00 |
| 5. <u>In Kind</u> | | | | | | |
| - Office space | 96.00 | 96.00 | 96.00 | 96.00 | 96.00 | 480.00 |
| - Computer service | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 9.60 |
| - Services of ASEAN officers concerned | 20.52 | 20.52 | 20.52 | 20.52 | 20.52 | 102.60 |
| Sub-total (1-5) | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 686.90 |
| 6. <u>Contingency/Inflation (15%)</u> | - | - | - | - | - | 118.42 |
| 7. <u>Grand Total</u> | | | | | | 907.92 |

^{1/} Five Member Country and one ASEAN Secretariat representatives

C. Social Soundness Analysis

1. Direct Effects

The direct social benefits expected to be derived from the ASEAN ADPC project under phase II are already implicit in the overall aim governing the rationale of this particular undertaking. It is therefore worth restating that the ASEAN member countries are of the conviction that this matter should be governed by the vital aim of upgrading the living standards of ASEAN farmers in general and at the same time ensuring a greater degree of self-reliance in them. The increase in production and therefore of income should logically entail the generation of better welfare conditions, e.g., better nutrition, better education, and better medical care, all of which would contribute to the improvement of the quality of human capital. This should also go some way towards the fulfilment of one of the main goals of policy analysis, that is, the reduction of income gaps, both within the agricultural sector itself and that between the agricultural sector and the non-agricultural sector, leading towards a greater degree of social harmony. Although much scepticism could reasonably be expected in this connection, social harmony must, in the final analysis, remain a decisive yardstick for any project of this nature.

2. Spread Effects

Agricultural development planning, when accompanied by careful implementation of planning programs and policies, will have effects beyond that of increased agricultural production in terms of forward and backward linkages. In other words, the forward linkage to post-production activities (which can range from marketing, manufacturing through to end product use) and the backward linkage to pre-production activities (which can range from supply of agro-inputs, their manufacture through to the production of their basic inputs in turn) will have to be considered. Although such sequence of forward and backward linkages are

conceptually almost infinite, it would nevertheless be vital to consider the immediate linkages in any planning exercise, which is to say that, agricultural development planning cannot take place in a vacuum.

Further, as ASEAN agricultural development planning becomes more sophisticated and far-sighted, increased communication and cooperation can naturally be expected among ASEAN member countries.

Increased agricultural production brought about by effective national planning and agricultural policies will also affect ASEAN's import requirements, export capabilities, and foreign exchange situation. This will make available additional development resources.

3. Social Consequences and Benefit Incidence

3.1 Beneficiaries at Purpose Level

The impact of improved agricultural programs and policies, through effective planning, will continually be felt by the rural population of ASEAN countries who constitute two-thirds of the total ASEAN population. Farmers and other people in the agricultural/rural sector in a free-market economy are affected in many ways by comprehensive planning or the lack of it. For instance, the pricing, storing and distribution schemes involving agricultural commodities affect producers and consumers alike; the construction of an irrigation system affects almost everyone in the area; an effective extension service affects most of the farmers; and the distribution of farm inputs affects the productivity of millions of farmers. Thus, sound agricultural policies should enhance the productivity, income and welfare of farmers and their families.

3.2 Role of Women

In past experiences with participants in training, it had been generally difficult to recruit women professionals for long term training, mainly because it usually requires of them that they leave their families to study overseas. A great degree of success in training women is expected because their training will be conducted in an ASEAN country. The project will encourage qualified women employees to take this opportunity for career improvement and will strive for a participation rate by women of at least 25 per cent in this project.

D. Economic Analysis

It is apparent that, at this stage, the usual tools of economic cost-benefit analysis do not lend themselves readily to a project like the ASEAN ADPC. Nevertheless an attempt is made to take into account the economic benefits that might be generated, both directly and indirectly.

It would be well to consider the fact that knowledge, skills and experience in agricultural development planning will be acquired by participants from planning agencies of the ASEAN member countries. A significant increase in the number of highly qualified personnel in planning and research activities will directly augment the manpower pools of these countries. Through direct transfer of planning know-how from the newly augmented manpower pools to others within the country, the multiplication several times over in the number of ASEAN planners could be realized. This, in turn, would bring about a wider and more solid base for the preparation of sound economic development plans and hence improved economic conditions in the ASEAN region.

The Ministries of Agriculture in ASEAN member countries are directly involved in planning and policy activities in the agricultural sector and other related activities that affect the agricultural sector. These include commodity control; distribution; importation and prices of agricultural inputs; regulating exports and other related activities. It is in order to serve the needs arising from such activities that planning and research activities of ASEAN ADPC will be conducted.

Finally, increased agricultural production in the ASEAN will have some repercussions on the world food situation as a whole. At the very least, it should bring about a greater degree of self-reliance in terms of international assistance requirements and greater security for the populations of the ASEAN.

IV. IMPLEMENTATION PLAN

A. Recruitment of ADPC Staff

1. ADPC Director The ADPC Director should be a Thai national and will be appointed by the Ministry of Agriculture and Cooperatives. The Director under Phase II should be selected at least three months before the end of Phase I to enable him/her to familiarize himself/herself with the operations of the Centre and to recruit the ADPC Staff. His/her appointment however should take effect at the beginning of the ADPC Phase II project.

2. Senior Staff The recruitment of the senior staff will be done by the ADPC Director with the concurrence of the Board of Planners. The recruitment procedures are as follows :

2.1 All positions will be advertised through newspapers of general circulation in the case of the host country and through the concerned national offices in the case of ASEAN member countries.

2.2 All applications should be accompanied by the ADPC personal history form, duly accomplished.

2.3 All prospective applicants will be interviewed by the ADPC Director, or by the respective BOP member in the case of applicants from the other ASEAN countries.

2.4 The final selection for the post and/or position will be made by the ADPC Director.

3. Other Staff All other ADPC staff will be recruited by the Director.

B. Procurement of Equipments

All equipments needed to support project activities will be procured locally using AID approved "Off-the-Shelf" procedures. As much as possible all equipments shall be purchased during the first year of the project.

C. Consultancy Services

The services of qualified ASEAN or US national experts will be availed of as short-term consultants when needed. The recruitment procedure will be set up with the concurrence of the donor.

D. Training

The implementation of the training activities will be in accordance with Chart 1 below.

Chart 1 Implementation Plan of Training Activities:
3-year period

| Year Activity | 1 | | | | 2 | | | | 3 | | | | 4 | | | | 5 | | |
|---|-----|------|-----|------|-----|------|-----|------|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|
| | Q 1 | Q 2 | Q 3 | Q 4 | Q 1 | Q 2 | Q 3 | Q 4 | Q 1 | Q 2 | Q 3 | Q 4 | Q 1 | Q 2 | Q 3 | Q 4 | Q 1 | Q 2 | Q 3 |
| TO 4 (Aug86-Oct88) 1/ | | | LG9 | | | | | | | | | | | | | | | | |
| TO 5 (Mar87-May89) | | | | | LG2 | | | | | | | | | | | | | | |
| TO 6 (Mar88-May90) | | | | | | | LG6 | | | | | | | | | | | | |
| TO 7 (Mar89-May91) | | | | | | | | | | LG7 | | | | | | | | | |
| MG 9 (Jun87-Sep87) | MG9 | | | | | | | | | | | | | | | | | | |
| MG 10 (Jan88-Apr88) | | MG10 | | | | | | | | | | | | | | | | | |
| MG 11 (Jun88-Sep88) | | | | MG11 | | | | | | | | | | | | | | | |
| MG 12 (Jan89-Apr89) | | | | | | MG12 | | | | | | | | | | | | | |
| MG 13 (Jun89-Sep89) | | | | | | | | MG13 | | | | | | | | | | | |
| MG 14 (Jan90-Apr90) | | | | | | | | | MG14 | | | | | | | | | | |
| MG 15 (Jun90-Sep90) | | | | | | | | | | | MG15 | | | | | | | | |
| MG 16 (Jan91-Apr91) | | | | | | | | | | | | | MG16 | | | | | | |
| MG 17 (Jun91-Sep91) | | | | | | | | | | | | | | | MG17 | | | | |
| MG 18 (Jan92-Apr92) | | | | | | | | | | | | | | | | | | | MG |
| Special Group Training Program (November) | | | | | | * | | | | * | | | * | | | | * | | |

1/ Program carried on from ADPC Phase I

E. Agricultural Data Collection

Activities relative to agricultural data collection will be implemented in the manner shown below. The implementation schedule is shown in Chart 2.

| <u>Activities</u> | <u>Remarks</u> |
|--|--|
| <p>1. Collection, on a periodic basis, of statistical information relating to food, agriculture and forestry from the member countries for subsequent compilation, storage, retrieval and dissemination in the form of an ASEAN Statistical Yearbook/Publication. (Note : the type of information to be collected are similar to those that are found in the ADPC's publication of "ASEAN Statistical Yearbook on Food, Agriculture and Forestry" issued in three series under Phase I. Regular checking and modification according to comments from concerned officers and users will also be done.</p> | <p>Member-country contact agencies and contact persons shall be solicited to provide the necessary statistical information to the Centre. In Phase II, the Centre will also make attempts to get data from the government agencies concerned for each sector to increase accuracy and reliability of data. Back dated data will be checked from these sources and more of the routine work of transforming data and calculations using standard formula will be done at the Centre to minimize error of transcribing from contact persons.</p> |
| <p>2. The whole set of updated data in computer printout form will be sent to the ASEAN Secretariate for their usage in publishing ASEAN Statistics</p> | <p>AGRI-DATA in this phase can be viewed as a preparatory stage to the ASEAN Secretariat's formation of a network system for data collection for ASEAN under which the agri-data system could be annexed later on.</p> |
| <p>3. Distribution/dissemination of statistical publications issued on a periodic basis to data users in the member countries.</p> | |

F. Research and Planning

The research and planning activities will be implemented in the manner presented below; while the implementation schedule is reflected in Chart 3.

1. For research topics commissioned and/or assigned by COFAF or ASEAN bodies through COFAF

| <u>Procedural Steps</u> | <u>Remarks</u> |
|---|---|
| a) Preparation of research study outline, clearly defining the problem, the objectives and expected outputs of the research | The Centre shall coordinate with the relevant subsidiary body of COFAF to be able to draw a complete picture of the problem and the expected output. |
| b) Together with the prepared outline, send out invitations to identified established research institutions, schools & universities, individuals or group of individuals to submit research and budget proposals to conduct the research/study for & on behalf of the Centre. | These research & budget proposals being received by the Centre shall be evaluated based on certain criteria and the selected proponent shall be contracted to undertake the research /study. |
| c) Follow up and monitor the progress of the conduct and implementation of the research/study on a periodic basis. | In the form of written progress reports from the research/study contractor or through follow-up visits to the contractor in case of pressing problems that need to be resolved. |
| d) Review and provide comments and suggestions on the draft research/study report being submitted by the contractor. | Aside from the Centre, the relevant COFAF subsidiary body shall be solicited to review and provide comments and suggestions on the draft report prior to finalizing the research /study report. |

- e) After the research report shall have been finalized by the contractor, this document shall be submitted to COFAF, thru channels, for information and further action.
- f) Follow-through and feedback mechanism. Within the ASEAN System.

2. For the periodic review of agricultural policies and update of agricultural policies and programmes in ASEAN member countries

- a) Collection, compilation of agricultural policies and programmes of ASEAN member countries which include policy/programme objectives, target beneficiaries, implementing guidelines and strategies, and implementing agencies among others. To be done in collaboration with and assistance provided by the relevant government agency and staff of the respective member countries.
- b) Further processing of the information provided by the member countries and subsequent publication and dissemination to COFAF (thru channels) and other subsidiary bodies. For information purposes.
- c) Operational procedures (a) and (b) are repeated in the subsequent review and update to be undertaken once a year.

3. For research topics that are to be implemented by the Centre as a result of its efforts in securing research funds from outside institutions, organizations and agencies.

- a) Identification of researchable areas, problems and issues relating to food, agriculture and forestry that are of regional application. Solicit a list of important research topics from COFAF subsidiary bodies and relevant government agencies from member countries.

- | | |
|--|---|
| b) Preparation/formulation of research/study and budget proposals on each of the research/study topics selected. | To be circulated to the members of the governing board of ADPC for clearance on an ad-referendum basis. |
| c) Submission of the research/study and budget proposals to identified outside institutions, organizations and agencies for funding consideration. | Follow-up and/or negotiation with the possible "donor" until funding is secured and ready for implementation. |
| d) Execution and implementation of the research/study in accordance with the procedures enumerated in (b) to (f), item B.1. | |

/Note : The research activities which fall under this particular method of generating its funding requirements shall be treated as part of the on-going research undertakings of the Centre. The Centre shall see to it that the overhead costs in the implementation and execution of the research/study will drawn from the funds of the particular research/study./

**Chart 3 Implementation Plan of Research and Planning Activities
5-year period**

| Activity | Year | | | | | | | | | | | | | | | | | | |
|--|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 1 | | | | 2 | | | | 3 | | | | 4 | | | | 5 | | |
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 |
| a) Implementation/conduct of specific research & planning study that will be assigned to ADPC by COFAF & other higher bodies ^{1/} | | | | | | | | | | | | | | | | | | | |
| b) Conduct of a periodic review of agricultural policies & programmes of ASEAN member countries | | | | | | | | | | | | | | | | | | | |
| c) Preparation of research/study proposals for submission to research funding institutions for possible funding assistance & subsequent implementation by the ADPC | | | | | | | | | | | | | | | | | | | |

^{1/} The ADPC would expect at most three specific research/study assignments per year. It is also assumed that each research study, this could complete in a period of 9 to 12 months after the assignment is given.

V. MONITORING AND EVALUATION ARRANGEMENTS FOR THE PROJECT

A. Monitoring Activities

Monitoring of project implementation will begin with the formulation of annual implementation plans. Monitoring will be the continuous gathering of information on project inputs and status of activities. This monitoring process will continue throughout the project's life. Information gathered through the monitoring process will be used by project management to improve on-going implementation and financial planning and to identify problems requiring corrective action.

B. Evaluation Activities

1. Responsibilities

The ASEAN COFAF and USAID are responsible for the mid-term and final evaluation of the project. They will conduct the evaluations jointly and cooperate closely in the preparation of a Project Evaluation Summary (PES).

The Director of ADPC is responsible for the continuous evaluation of all the Centre's programs and activities. The Director will report annually to the ADPC Board of Planners, ASEAN COFAF and USAID on the Centre's activities, achievements, indications of success and desired changes to plans.

2. Focus

Evaluation of this project will focus on the quality of training provided and skills acquired by the participants, i.e., the quality of planning and policy analysis resulting from the past training work of the

participants and the quality of planning and policy research. In addition, there will be an evaluation of the efficiency with which the Centre's staff and facilities are utilized to achieve project outputs.

3. Methodology

The continuing evaluation program will include an annual accounting of expenditures and project inputs compared to project outputs; an evaluation, by participants, of the quality of the training received; a report of research accomplishments, including especially application of research findings to ASEAN member countries and to regional planning; and a report on the activities of post participants. These findings will be included the Director's annual report.

The following is a summary of evaluation schedule :

- | | |
|-------------------------|--------|
| a). Mid-term evaluation | Year 3 |
| b). Final evaluation | Year 5 |

4. Budget for the Final Evaluation

An amount of US\$ 25,000 is earmarked for the final evaluation which is reflected in Table 5, under the consultancy budgetary item.

MAJOR ACTIVITIES AND ACCOMPLISHMENTS OF THE
ASEAN AGRICULTURAL DEVELOPMENT PLANNING CENTRE
UNDER PHASE I

A. Training

Altogether exactly 199 participants have been trained under 4 different training programs. Two more sessions are planned to be held under the micro group (MG) training program in 1986/87 involving an additional 30 participants. One additional group of 5 participants under the Technician Group (TG) program is also planned to be held. The four training programs are elaborated on below.

1. Leader Group (LG)

Eleven out of the targetted number of fifteen participants were trained during 1981-1982, in three groups, lasting 1-2 weeks each. The participants involved senior agricultural planners from the ASEAN member countries.

2. Micro Group (MG)

This is a 3-to 6-month training program for planning technicians with participants coming from both national and regional (in-country) planning levels. One hundred and twelve (112) participants have been trained in eight sessions (MG-0 to MG-7). Two more sessions of 15 participants each, (or a total of 30) are scheduled for training in 1986-87, bringing the total to 142, or 97 more than the targetted 55 participants.

3. Technician Group (TG)

Three groups (TG-1, TG-2, and TG-3) involving 37 participants were enrolled in this 27-to 32-month Masteral Degree Program. There were also 9 participants who joined the training program whose scholarships were financed by sources other than ADPC.

4. Special Group (SG)

This is a one-week program which emphasizes the utilization of specific planning tools, such as linear programming, and the Data Analysis and Simulation Programme (DASI). Three groups, totalling 39 participants were trained in 1983 to 1984.

B. Research and Planning

1. Four ASEAN Benchmark Studies

These are the baseline studies on :

- a) problems and issues of greater concern to agriculture
- b) agricultural data system
- c) agricultural economics research list
- d) history of agricultural programs and projects.

These were undertaken during the period November 1981 to June 1982.

A workshop was held in Bangkok in July 1982 on how to apply the results of the studies in formulating an ASEAN basic policy on cooperation in food and agriculture. The key recommendation made was the formulation of a mathematical model to analyze certain agricultural economic issues of great concern to the ASEAN region and to make use of the four studies as well as other related information, in proposing COFAF projects.

2. ASEAN Basic Policy on Cooperation in food and Agriculture

Based on the four benchmark studies, and the original draft of the paper "ASEAN Basic Policy on Cooperation in Food and Agriculture" prepared in mid-1981, the final draft was submitted for the consideration of the ASEAN Ministers on Agriculture and Forestry at its 5th Meeting in October 1983.

3. ASEAN Development Model for Agricultural Planning (ADMAP)

In order to develop an analytical tool for use in analysing agricultural policy issues common to the ASEAN region and to be able to come up with appropriate programs and projects, a plan to construct ADMAP using a linear programming approach was proposed in November 1982.

The first version of the model was used to analyze ASEAN policies on food security, fertilizer self-sufficiency, nutrition and improved agricultural productivities. Some solutions derived were reported in a research report which was circulated to concerned individuals in the member countries' planning offices.

4. The ASEAN Agri-Data System

The ASEAN Agri-Data System is intended to serve as an agricultural data bank of ASEAN, a source of basic data for ADMAP, as well as for other research and planning activities of the ADPC and the member countries.

Its first output, with the close cooperation of contact persons from the member countries, was the publication of the first issue of the ASEAN Statistical Yearbook on Food, Agriculture and Forestry, 1970-82, which came off the press in October 1984. The ADPC is expected to publish the third issue of the Yearbook in May 1986.

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5. The ASEAN Food Security Reserve (AFSR) Studies

During the period February to April 1982, a new AFSR-4 model was developed from the original models in response to the request made by the ASEAN Ministers on Agriculture and Forestry. Results of the analysis generated by the model was made as the basis for the initial 50,000 metric tons rice reserve under the AFSR system in ASEAN. A new AFSR study was recently formulated, recommended by the Eleventh COFAF Meeting to and endorsed by the ASEAN Ministers on Agriculture and Forestry at their Fifth Meeting held in Singapore in October 1983 for UNDP funding.

6. Studies on the Production and Marketing of Selected Agricultural Products in ASEAN

To be able to propose appropriate collective action on the production and marketing of agricultural products regarded as important to the ASEAN economy, three studies on the production and marketing of rice, rubber, and oil palm as well as other oil crops, were conducted and completed in 1983. The main theme of these studies was how particular ASEAN member countries involved should cooperate with each other in the production and marketing of the said crops.

7. The Role of Agriculture in Combating Malnutrition

Assigned by COFAF to study the problems on malnutrition in the ASEAN Region, the ADPC, in addition to submitting a paper on ASEAN Basic Policy on Cooperation in Nutrition to the eleventh COFAF Meeting in March 1983, carried out a more comprehensive study entitled "The Role of Agriculture in Combating Malnutrition", which was later submitted to the Fifth Meeting of the ASEAN Ministers on Agriculture and Forestry in October 1983. The Meeting requested COFAF to look further into the need to increase and diversify food production in the region, the progress on which was reported by ADPC to the Sixth AMAF Meeting in October 1984.

8. Monitoring and Evaluation of Progress Made with Respect to Self-Sufficiency in Fertilizers in ASEAN

With regard to the directive of the Fourth Meeting of the ASEAN Ministers on Agriculture and Forestry that COFAF should monitor and evaluate the progress made with respect to fertilizer self-sufficiency in ASEAN, the Eleventh Meeting of COFAF assigned the ADPC to undertake the task in cooperation with other relevant ASEAN bodies. The report of the findings was submitted to the Fifth Meeting of the ASEAN Ministers on Agriculture and Forestry (AMAF) in October 1983.

The ADPC has also reported the finding of the issue on cost-benefit of urea production in the ASEAN region to the Sixth AMAF Meeting in October 1984.

9. Other Specific-Issue/Commodity Related Studies conducted

a) Study on the socio-economic indicators of agricultural development in ASEAN countries.

b) Study on the agriculture wage structure and other characteristics of agricultural labor in ASEAN countries.

c) Production and marketing of sunflower, soybean and peanut in the ASEAN region; and

d) Study on the economic impact of food and nutrition policies in the ASEAN region.

10. The In-country Regional Model for Agricultural Planning (INCREMAP)

This research project was conducted in line with the Centre's objective of constructing and verifying regional (in-country)

agricultural development planning models in member countries. INCREMAP models have been developed in at least four of the ASEAN countries, namely : Malaysia, Indonesia, the Philippines and Thailand. The Thai project, in addition to formulating regional models for agricultural planning and policy analysis, has exposed regional planners to analytical tools commonly used in planning and provided them with experience in applied model building.

Degree Training Program :

The Technician Group (TG) Training Program (M.S.Ag. Econ)

A. Purpose

To train technical personnel of the ASEAN countries, who would be responsible for the planning, research and/or policy analysis in the field of food, agriculture and forestry in their respective countries.

To increase the number of trained personnel in the respective national food, agriculture and forestry planning offices of the ASEAN member countries.

B. Participant's Qualifications

1. A B.S. degree in Economics, Agricultural Economics, Agriculture, Statistics, or academic programs in agricultural development.
2. Experience in the field of agricultural development for at least 2 years.
3. Age between 25-40.
4. Familiarity with current and potential agricultural situation in their home countries.
5. Good English proficiency.

Applicants are required to provide preferably the scores of the Test of English as a Foreign Language (TOEFL) or an attested certificate of English language proficiency from a governmental or professional technical courses and appropriate tests.

6. Good health condition.

Participants will be required to provide a health certificate showing that he or she is in good health and is able to study and travel.

C. Admission Procedures

1. The ADPC sends out the TG program admission notification to the Board of Planners and interested government institutions and organizations in member countries.

2. Members of the Board of Planners in the respective countries nominate applicants who will be under the ADPC's TG program support. Interested government institutions and organizations may nominate their applicants for the ADPC's support through their respective country's Board of Planners member. However, in the case of institutions or agencies who may wish to send participants (who will be supported by their agency or outside sources) to join the training program, they may directly send their nominations to the ADPC for consideration.

3. The nominated applicants are required to send their bio-data, transcript and TOEFL scores or an attested certificate of English proficiency to the ADPC, not later than November 30.

4. The ADPC forwards all necessary documents of the applicants to the Graduate School Committee of the Department of Agricultural and Resource Economics, Kasetsart University, for pre-screening by December 15 of the relevant year.

5. The Department of Agricultural and Resource Economics notifies the ADPC of its pre-screening results by December 31.

6. Admission of prospective screened applicants will be decided by the ad hoc committee which is composed of concerned officials from the ADPC and the Department of Agricultural and Resource Economics.

7. Upon being admitted, the applicants will be required to take the refresher course which is scheduled to start on March 1 until May.

8. The applicants, upon finishing the refresher course, shall formally apply for an official admission to the Graduate School, Kasetsart University. Applicants are required to take an oral examination before being granted admission to the Graduate School.

D. Training Courses and Schedule

I. Refresher Course Program (3 months)

The applicants, before starting their graduate program, are required to take the three-month refresher course program arranged by the ASEAN Agricultural Development Planning Centre in cooperation with the Department of Agricultural and Resource Economics, Kasetsart University. The main purpose of the refresher course program is to provide opportunity for applicants to review and build up their background in the areas of economic theory, mathematics, statistics and applied economics.

II. Graduate Course Program

First Semester (June - October)

| | |
|---------------------|--|
| GCI (Econ. 511) | - Microeconomic Theory I (3) |
| GC2 (Ag. Econ. 531) | - Agricultural Market and Price Analysis (3) |
| GC3 (Ag. Econ. 581) | - Advanced Quantitative Analysis in Agricultural Economics I (3). |
| GC4 (Ag. Econ. 583) | - Advanced Quantitative Analysis in Agricultural Economics III (3) |

Second Semester (November - March)

| | |
|---------------------|---|
| GC5 (Ag. Econ. 522) | - Analysis of Agricultural Production (3) |
| GC6 (Econ. 512) | - Macroeconomic Theory I (3) |
| GC7 (Ag. Econ. 582) | - Advanced Quantitative Analysis in Agricultural Economics II (3) |
| GC8 (Ag. Econ. 562) | - Advanced Agricultural Development Economics (3) |

Summer I (April-May)

- | | |
|----------------------|---|
| GC9 (Ag. Econ. 597) | - Seminar I (1) |
| GC10 (Ag. Econ. 598) | - Special Problem :(Socio-Cultural Institutional Factors in Development) (3). |

Third Semester (June-October)

- | | |
|----------------------|------------------------------------|
| GC9 (Ag. Econ. 597) | - Seminar II (1) |
| GC11 (Ag. Econ. 591) | - Advanced Research Methodology(3) |
| GC12 (Econ. 544) | - Economics of Project Analysis(3) |
| GC13 (Ag. Econ. 561) | - Advanced Agricultural Policy (3) |
| GC14 (Econ. 597) | - Seminar I (1) |
| GC15 (Ag. Econ. 599) | - Thesis (2) |

Fourth Semester (November - March)

- | | |
|----------------------|--------------|
| GC15 (Ag. Econ. 599) | - Thesis (3) |
|----------------------|--------------|

Summer II (April-May)

- | | |
|----------------------|--------------|
| GC15 (Ag. Econ. 599) | - Thesis (4) |
|----------------------|--------------|

Comprehensive Exam : Third or Fourth Semester

Oral Thesis Examination : Fourth Semester

Graduate Level Courses on Development Planning at K.U.

GC1 (Econ. 511) Microeconomic Theory I (3)

Analysis of advanced economic theories relating to utility function and utility maximization, demand functions, theory of revealed preferences and problems of choice in situations involving risk. Production functions and behavior of optimization. Homogeneous function, cost function, revenue function, and profit maximization. Price determination in perfect competition, monopolistic competition, oligopoly, monopoly, oligopsony and monopsony.

GC2 (Ag. Econ. 531) Agricultural Market and Price Analysis (3)

Construction of market models for analysing various marketing conditions. Analysis of changes in marketing institutions resulting from problems and alternative policies in production, prices, and agricultural marketing.

GC3 (Ag. Econ. 581) Advanced Quantitative Analysis in Agricultural Economics I (3)

Construction of mathematical economic models applied to theories and problems in agricultural economics. Economic growth models under certainty and uncertainty in agriculture.

GC4 (Ag. Econ. 583) Advanced Quantitative Analysis in Agricultural Economics III (3)

Application of advanced statistical principles and theories to agricultural economic problems. Statistical prediction and estimation construction and analysis of index. Application of regression analysis to agricultural economic models. Hypothesis testing. Statistical interpretation of outcome of the analysis. Econometric and statistical aspects of regression equations. Estimation of regression coefficients and practical solution to the regression problems.

GC5 (Ag. Econ. 522) Analysis of Agricultural Production

Economics I (3)

Agricultural production economic theory under static and dynamic situations. Analysis of allocation of factors of production efficiency, demand for factors of production and supply of agricultural products, costs of production, and farm growth. Comparative studies of agricultural areas. Application of linear programming to production economics analysis.

GC6 (Econ. 512) Macroeconomic Theory I (3)

Analysis of advanced economic theories relating to income and employment. Classical macroeconomics-money supply, wage, price, employment, saving, investment and interest rate. Keynesian Macroeconomics-employment, consumption, saving functions, investment function, inflation theory and economic growth.

GC7 (Ag. Econ. 582) Advanced Quantitative Analysis in

Agricultural Economics II (1)

Mathematical analysis of agricultural economic problems. Analysis of linear programming and non-linear programming applied to production firms and agricultural industry. Economics of transportation models. Analysis of spatial equilibriums of markets, production firms, and agricultural industry.

GC8 (Ag. Econ. 553) Advanced Agricultural Development

Economics (3)

Role of agriculture of economic development. Agricultural economic problems in developing countries. Economic and social growth theories. Economic growth model. Models of agricultural development. Relationship between consumption and agricultural production and agricultural development. Planning and policy formulation in agricultural development.

Pre: Ag. Econ. 462 or consent of Department.

GC9 (Ag. Econ. 597) Seminar I (1)

Seminar II (1)

GC10 (Ag. Econ. 598) Special Program : Socio-Cultural
Institutional Factors in Development (3)

GC11 (Ag. Econ. 591) Advanced Research Methodology in
Agricultural Economics (3)

Analysis of research methodology. Formulation of problems. Formulation and testing of hypothesis. Form of research proposal, statistical techniques used in research. Problems and guidance in agricultural economic research. Some example of analytical techniques in research.

GC12 (Econ. 544) Economics of Project Analysis (3)

Goals of economic theory in project analysis, techniques for project formulation and evaluation, identification and evaluation of direct and indirect benefits and costs of projects, and detailed consideration of benefit-cost analysis.

GC13 (Ag. Econ. 561) Advanced Agricultural Policy (3)

Analysis of agricultural policy and planning with emphasis on the role of agriculture in the economic and social development. Thailand's agricultural policy formulation. World and regional agricultural policies.

GC14 (Econ. 597) Seminar (1)

GC15 (Ag. Econ. 599) Thesis (2), (3), (4)

E. Group and Period

| | |
|-----|-----------------------|
| IG5 | March 1987 - May 1989 |
| IG6 | March 1988 - May 1990 |
| IG7 | March 1989 - May 1991 |

F. Training Provisions

An individual participant will receive the following allowances :

a) One economy-class round-trip, ticket (Bangkok-home country's Capital-Bangkok) will be provided for participants who would collect data from their home country for their theses.

| | |
|---------------------------------|-------------------|
| b) Stipend or monthly allowance | US\$ 300/month |
| c) Book allowance | US\$ 175/semester |
| | US\$ 115/summer |
| d) Tuition fee | US\$ 100/semester |
| e) Thesis grant | US\$ 700 |
| f) Homeward shipment allowance | US\$ 220 |

Note : Travelling costs such as plane fares, etc., of the individual participant from home country to Bangkok to enroll in the program and from Bangkok to home country after the completion or termination of the program will be shouldered by the respective government or country concerned.

(1)

Non-Degree Training:
The Micro Group (MG) Training Program

A. Purpose

1. To train ASEAN government personnel in the formulation of agricultural project planning strategies and methodologies.
2. To develop skills and techniques in project formulation, monitoring and evaluation.

B. Participant's Qualifications

1. A two-person group among the following combinations :
 - a representative of the national food, agriculture, and forestry planning office;
 - a representative of the regional (in-country) food, agriculture, and forestry planning office;
 - a representative of implementing agencies in pilot areas or other related agencies.
2. A B.S. degree in Economics, Agricultural Economics, Agriculture, Statistics or academic programs in agricultural development.
3. Experience in the field of food, agriculture, and forestry development in their home countries for at least 2 years
4. Good English proficiency.
 - Participants will be required to provide an attested certificate of proficiency from a governmental or professional institute confirming fluency sufficient to enable them to undertake technical courses and understand appropriate texts.
5. Good health condition.
 - Participants will be required to provide a health certificate showing that he or she is in good health and is able to study and travel.

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C. Admission Procedures

1. The ADPC sends out the MG Program admission notification to the Board of Planners and interested government institutions and organizations in the member countries.
2. Members of the Board of Planners in the respective countries nominate the allocated number of applicants who will be under the ADPC MG Program support.
3. Interested government institutions and organizations may also nominate their applicants to join the program under their agency's support.
4. Applicants are required to submit their bio-data and academic transcripts to the ADPC for evaluation.
5. The ADPC notifies those concerned of action taken on admission/acceptance of participants.

D. Course Structure

1. Introduction : The role of agriculture in rural and national development, perspective of agricultural planning in ASEAN member countries and their agricultural and socio-economic pattern, key issues in agricultural development planning, regional and national planning of agricultural projects and programs, and basic concepts in agricultural resource economics.
2. Project Identification and Environment : Source of project ideas, identification of project at macro and micro levels, constraints in development, i.e. natural, economic, social and political climate.
3. Project Preparation and Appraisal : Project formulation procedure, project appraisal technique, economic and financial analysis, and sensitivity analysis.
4. Project Management System and Organization Design : Principles of management concepts and functions, management and organizational behavior, project management techniques, organizational structure, organizational concepts of project management, and prominent issues concerning project organization.

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5. Project Monitoring and Evaluation : Methodology in project monitoring, ex-post evaluation and the linkages with on-going monitoring, usefulness of evaluation studies as a basis for assessing the performance of the project management, and basic statistics and agricultural data collection for project monitoring and evaluation.

6. Case Studies : Case studies of project appraisal of major agricultural development projects, irrigation project, livestock project, forestry project, etc.

7. Workshop : Workshop on project implementation, project monitoring and evaluation, and logical framework planning.

8. Field Observation : Visiting various agricultural development project sites which will be used as case studies for discussion and exercises of project monitoring and evaluation.

9. Supervised Field Practise : Preparing a project proposal by collecting primary data and information at the project area under close supervision of group advisors.

E. Training Methodology

Methodologies employed in training include class lectures, case studies, group exercises, syndicate discussions, special lectures by outstanding experts, workshops and study visits to farms and agricultural development projects. Specialists and consultants from outside will be invited or recruited to contribute in areas where they have particular interest and expertise, and also to provide supervision and guidance as advisor to the participants.

F. Group and Training Schedule

| | |
|-------|-----------------------|
| MG 9 | June - September 1987 |
| MG 10 | January - April 1988 |
| MG 11 | June - September 1988 |
| MG 12 | January - April 1989 |
| MG 13 | June - September 1989 |
| MG 14 | January - April 1990 |
| MG 15 | June - September 1990 |
| MG 16 | January - April 1991 |
| MG 17 | June - September 1991 |
| MG 18 | January - April 1992 |

G. Training Provisions

1. International travel : round-trip, economy-class air ticket will be provided for all non-Thai participants.
2. Monthly subsistence allowance at US\$ 300/month for 3 months. Travel per diem at B 300/day during official study tour.
3. Travel per diem at B 300/day during official study tours.
4. Health insurance.

Non-Degree Training
The Special Group (SG) Training Program

A. Background

The implementation of the program is based on an increasing awareness of the importance of agriculture in most ASEAN national economies, and on the fact that the process of agricultural development planning has become more complicated as the whole economy expands. Experience of many countries has proven that new planning tools and approaches can lead to better planning guidelines and policy formulation. The ADPC, by its function and objective, finds it of importance to provide an opportunity for senior agricultural planners, researchers, and policy makers of ASEAN countries to share their interest and experience and to keep abreast of recent development in agricultural planning.

B. Purposes

1. To expose senior government officials or research leaders of national food, agriculture and forestry development planning agencies in ASEAN, to key systematic analytical tools and approaches in agricultural development planning.

2. To strengthen analytical expertise and planning capability of government officials who are taking or will take the lead in national/regional food, agriculture and forestry development planning.

3. To provide opportunities for national senior officers, policy makers and research leaders in food, agriculture and forestry development planning of ASEAN member countries to exchange ideas and knowledge which are useful in agricultural policy formulation and planning at both national and multinational levels.

C. Participant's Qualifications

A senior government official, policy maker, or research leader of an ASEAN member country who has major responsibilities in the national food, agriculture and forestry development planning.

D. Admission Requirement

1. Two participants from each ASEAN member country shall be invited to join one of the SG workshops arranged by the ADPC.

2. The nomination of participants should reach the ADPC not later than 45 days before the commencement of each SG programme.

E. Training Activities

1. A ten-day seminar cum workshop on a selected topic, or analytical tools and techniques employed, as well as case studies made on agricultural development planning of both national and multinational levels.

2. A two-day field-trip to selected agricultural development project areas shall be included.

3. A case study employing the selected analytical tools and techniques shall be commissioned as a follow-up activity by the participants.

F. Schedule of Workshop

One workshop will be organized during November or December each year.

G. Participation Requirements

An individual SG participant can join more than one group depending upon his/her special interest, and the personnel development policy of the respective member country of ASEAN. National participants are required to prepare and present for discussion in the workshop an overview of a relevant topic experienced in their home country. Selective, occasional papers on agricultural development planning at both national and multinational levels by local or foreign experts are also invited for presentation in the workshop.

H. Training Provisions :

1. One round-trip economy class, air ticket for non-resident participants.
2. Per diems/daily allowance of US\$ 50 per day per participant.

List of APPENDICES

- 1 Excerpts from the 6th ASEAN-US Dialogue
- 2.1 Estimated Cost per TG Program (12 participants for 27 months)
- 2.2 Estimated Cost per MC Program (12 participants for 3 months)
- 2.3 estimated Cost per SG Program (12 participants for 10 days)
- 3 Estimated Cost of Agricultural Data Collection ; 5-year period
- 4 Estimated Cost for Research and Planning Activities ; 5-year period
- 5.1 Organizational Structure of COFAF
- 5.2 ASEAN ADPC Organizational Structure
- 5.3 Organizational Chart of ASEAN ADPC

EXCERPTS FROM THE 6TH ASEAN-US DIALOGUE



SIXTH ASEAN-U.S. DIALOGUE

Washington, D.C. April 2-3, 1985

SUMMARY OF CONCLUSIONS
OF THE WORKING GROUP ON
DEVELOPMENT COOPERATION

Cooperation In Agriculture

1. Agricultural Development Planning Center (ADPC)

The Meeting noted with satisfaction the implementation of the above project.

2. ASEAN-PLANTI

The Meeting noted that the project is being successfully implemented and agreed that further extension is desirable. It also noted that the U.S. is considering further assistance to PLANTI. ASEAN assumption of a portion of PLANTI operating support costs would be important to future AID support.

3. ASEAN-U.S. Watershed Project

4. ASEAN Crops Post Harvest Programme

The Meeting noted with satisfaction the implementation of the above projects.

5. ASEAN Fish Quarantine Project

The Meeting noted that the U.S. is unable to provide support for this project. ASEAN stressed strongly the usefulness of this project to their growing fish industries, especially in view of the recent serious losses in some ASEAN countries from diseases. ASEAN urged the U.S. side to review its decision in the project.

6. ADPC Project: Phase II

The US commended the ongoing project which has been successful and indicated agreement to consider further assistance following an evaluation of the project in June 1985. The U.S. expressed preference to fund the project extension on a grant basis. ASEAN assumption of a portion of ADPC operating support costs during Phase II would be important to future AID support.

→

APPENDIX 2.1

Estimated Cost Per TG Program
(12 participants for 27 months)

| | US\$ |
|--|---------|
| Items | Total |
| - Travelling for Introduction of Training Program | 3,190 |
| - International Ticket (\$580x10tickets) | 5,800 |
| - Monthly Allowance (\$300x12parsx27months) | 97,200 |
| - Book Allowance (\$175x12parsx4semesters+ \$115x12parsx2summers) | 11,160 |
| - Health Insurance Premium (\$100x12parsx3years) | 3,600 |
| - K.U. Fees | 7,088 |
| - Teaching Honoraria (\$15/hrx1,784hrs) | 26,760 |
| - Overhead Cost (\$10x12xparsx24months) | 2,880 |
| - Visa Extension (\$15x10parsx3times) | 450 |
| - Thesis Grant (\$700x12theses) | 8,400 |
| - Homeward Shipment(\$220x10pars) | 2,200 |
| - Commencement Exercise | 450 |
| Total | 170,378 |

Estimated Cost Per MG Program
(12 participants for 3 months)

US\$

| Items | Total |
|--|---------------|
| - International Travel (\$580x10non-Thais) | 5,800 |
| - Monthly Allowance (\$300/par/month x12parsx3months) | 10,800 |
| - Group and Project Preparation Advisors (\$15x30hrsx3advisors) | 1,350 |
| - Teaching Honoraria (\$15/hr) (\$15x6hrsx36days) | 3,240 |
| - Field Trip | |
| - Per diem (\$15x12parsx13days) | 2,340 |
| - Transportation and other arrangement expenditures | 5,980 |
| - Grant for Project Proposal Preparation (\$550x3groups) | 1,650 |
| - Document and Supplies | 900 |
| - Health Insurance Premium (\$100x12pars) | 1,200 |
| - Commencement Exercise | 290 |
| Total | 33,550 |

Estimated Cost Per SG Program
(12 participants for 10 days)

| | | US\$ |
|---|-------|--------|
| Items | Total | |
| 1) International Travel: | | |
| non-residence participants | | 5,800 |
| (\$580x10pars) | | |
| 2) Travel Per diem | | |
| a) 12 participants (\$50/day/par | | 6,000 |
| x10daysx12pars) | | |
| b) Senior staff (\$40/dayx4daysx2staff) | | 320 |
| c) Junior staff (\$25/dayx4daysx2staff) | | 200 |
| 3) Document and Supplies | | 600 |
| 4) Trip Arrangement (\$280/dayx4days) | | 1,120 |
| 5) Report Writing Grant | | 2,000 |
| (\$500/3person-groupx4groups) | | |
| 6) Commencement Excercise | | 300 |
| | | |
| Total | | 16,340 |

Estimated Cost of Agricultural Data Collection
5-year period

US\$

| Year | 1 | 2 | 3 | 4 | 5 | Total |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Activity | | | | | | |
| 1. Publication cost of the Yearbook | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 15,000 |
| 2. Follow up and coordination expenses of ADPC staff ^{1/} | 5,085 | 5,085 | 5,085 | 5,085 | 5,085 | 25,425 |
| 3. Reference materials | 200 | 200 | 200 | 200 | 200 | 1,000 |
| 4. Compilation and typing cost in member countries | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 12,500 |
| 5. Mailing cost | 500 | 500 | 500 | 500 | 500 | 2,500 |
| 6. Workshop with the ASEAN Secretariat to start the network of data collection for ASEAN | - | - | 10,000 | - | - | 10,000 |
| Total | 11,285 | 11,285 | 21,285 | 11,285 | 11,285 | 66,425 |

| | | | | | | |
|--|------|-----|--|--|------------|------------|
| ^{1/} Trip to 4 member countries | | | | | | US\$ 5,085 |
| International Travel | | | | | US\$ 2,220 | |
| Brunei Darussalam | US\$ | 500 | | | | |
| Indonesia | US\$ | 520 | | | | |
| Malaysia | US\$ | 350 | | | | |
| Philippines | US\$ | 500 | | | | |
| Singapore | US\$ | 350 | | | | |
| Per Diem (5 days in each country) | | | | | US\$ 2,865 | |
| Brunei (152x5) | US\$ | 760 | | | | |
| Indonesia (104x5) | US\$ | 520 | | | | |
| Malaysia (116x5) | US\$ | 580 | | | | |
| Philippines (80x5) | US\$ | 400 | | | | |
| Singapore (121x5) | US\$ | 605 | | | | |

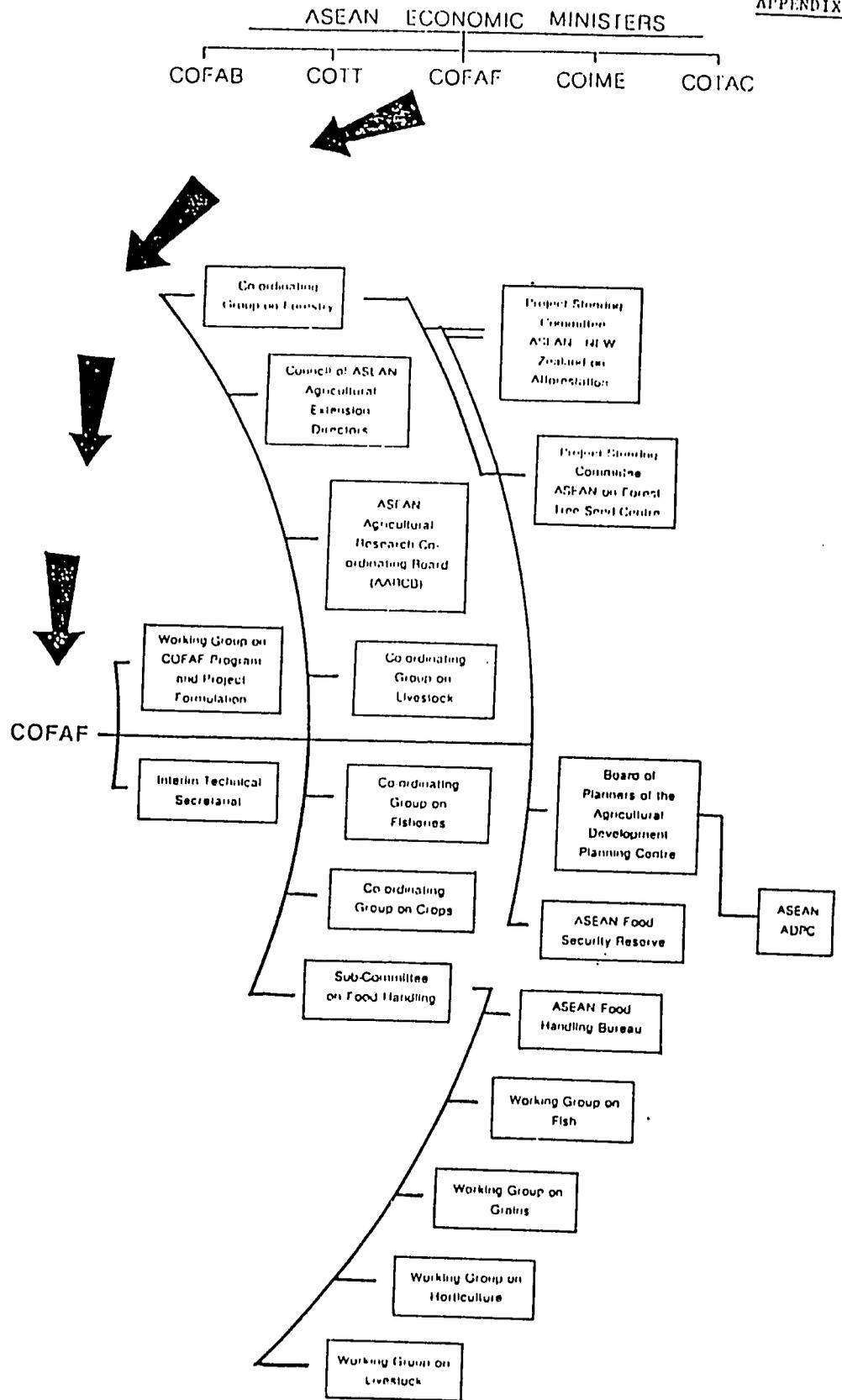
ASEAN Contribution

ASEAN contribution is estimated to be US\$ 9,200 per year or a total of US\$ 46,000 for five years.

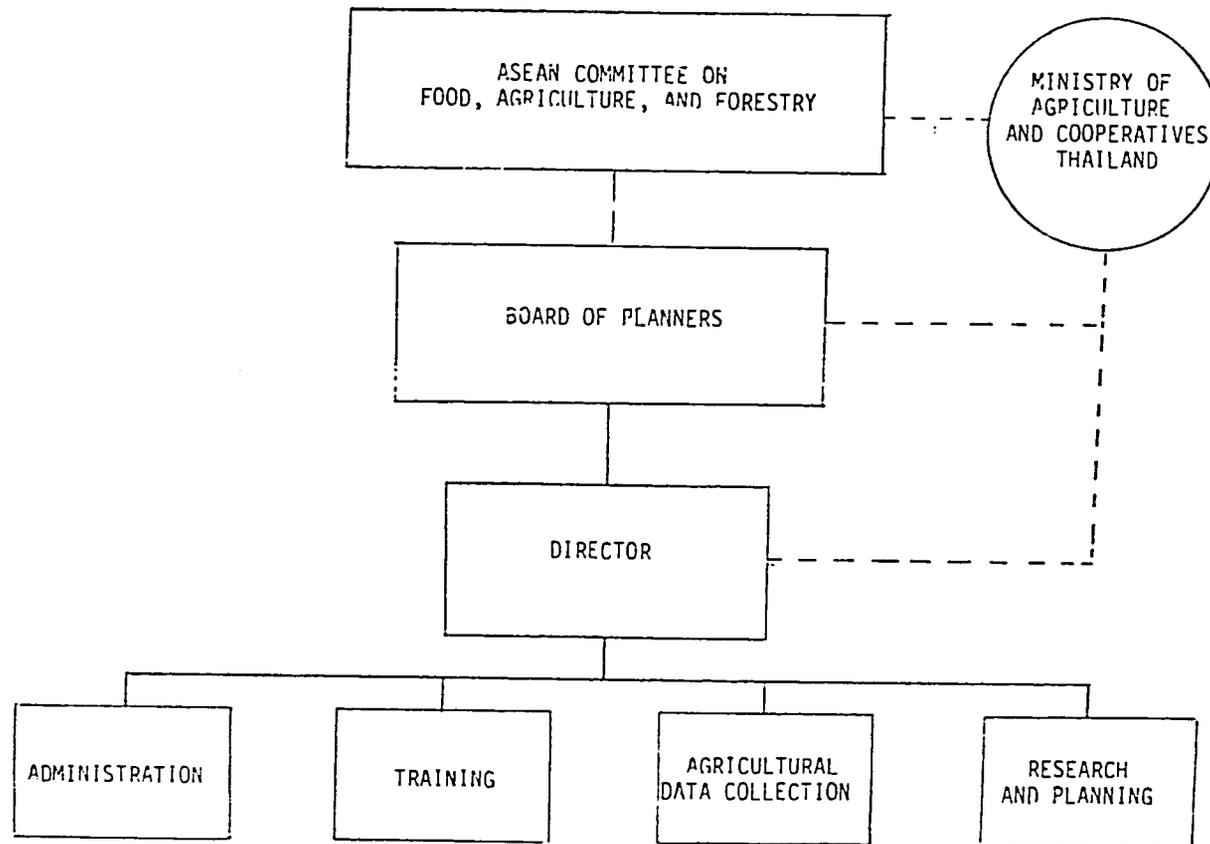
In each country, 2 staff (1 Senior & 1 Junior) are assigned to work for two months on collecting data for ADPC. Their contribution in terms of salary equivalent appears in the following table.

| Country | Salary(US\$) | | Total salary of two staff for two months | |
|---------------------|--------------|--------|--|----------|
| | Senior | Junior | | |
| Brunei | 800 | 500 | $(800+500) \times 2$ | = 2,600 |
| Indonesia | 300 | 250 | $(300+250) \times 2$ | = 1,100 |
| Malaysia | 400 | 350 | $(400+350) \times 2$ | = 1,500 |
| Philippines | 300 | 250 | $(300+250) \times 2$ | = 1,100 |
| Singapore | 500 | 400 | $(500+400) \times 2$ | = 1,800 |
| Thailand | 300 | 250 | $(300+250) \times 2$ | = 1,100 |
| | | | Total | 9,200 |
| Total of five years | | = | $9,200 \times 5$ | = 46,000 |

Organizational Structure of COFAF



ASEAN ADPC ORGANIZATIONAL STRUCTURE



ORGANIZATIONAL CHART OF ASEAN ADPC

