

附属資料2. 団長レター

September 2, 1993

Dr. Ir. Chairil Anwar Rasahan,
Director, Bureau of Planning,
Ministry of Agriculture,
JAKARTA

Dear Sir,

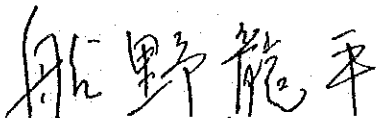
It is my great pleasure to submit herewith the summary report of the JICA Technical Guidance Team (hereinafter referred to as "the Team") on the Integrated Agricultural and Rural Development Project in Southeast Sulawesi Province (hereinafter referred to as "the Project") in the Republic of Indonesia.

The Team, organized by Japan International Cooperation Agency (JICA) and headed by Mr. Ryuhei FUNANO, visited the Republic of Indonesia from August 24 to September 4, 1993.

During its stay, the Team had a series of discussions with the Indonesian authorities concerned and Japanese experts in respect of the desirable measures to be taken for the successful implementation of the Project.

I would like to take this opportunity to express my sincere appreciation for all the kind arrangements made and to thank you for the warm cooperation extended to all the members of the Team.

Very truly yours,



Ryuhei FUNANO
Team Leader
JICA Technical Guidance Team

CC :

Dr. Ali RAHMAN, Director of Bureau of Agricultural
Irrigation, BAPPENAS

Ir. Yusuf YAKUB, M. Ed., Head of Regional Office, Ministry of
Agriculture, Southeast Sulawesi Province.

1. Introduction

The Government of Indonesia is conducting to establish appropriate methods for rural and regional development which are useful for the promotion of the "Integrated Agricultural and Rural Development Plan in Southeast Sulawesi" in line with the GERSAMATA Program, and to realize balanced regional development and poverty alleviation which occupies important positions in the "5th Five-Years National Development Plan" (REPELITA V) of Indonesia, and the Japanese Technical Cooperation is being implemented to assist this plan.

The Project is being carried out for the purpose of introducing knowledge and technology for appropriate agricultural and rural development in underdeveloped regions. It is based on the natural and social conditions in rural areas, aiming at an increase in the farmers' income and the improvement of their living standard through higher productivity and the diversification of agricultural production.

Japanese Technical Cooperation is being implemented in line with the following activities.

- (1) Planning of the integrated agricultural and rural development
- (2) Development of agricultural and rural infrastructure
- (3) Demonstration of cultivation and farming techniques
- (4) Strengthening of farmers' group
- (5) Training of regional and provincial government officials, extension workers and key farmers

The objective area of the activities (the project site) was selected from the rural area of Southeast Sulawesi Province, which would be developed as "Model Village" for the surrounding regions. They are eight villages belonging to five kecamatans in the Kendari district. And the farmers in the area are now participating in the activities, being led by both the Japanese Experts and the Indonesian Counterpart personnel.

Since the Project is now in the third year of the cooperation period, the Team has been dispatched for the purpose of reviewing and evaluating the progress made so far and making recommendations to the authorities concerned of the two Governments about measures to be taken for the successful implementation of the Project.

2. Members list

- (1) Mr. Ryuhei Funano : Leader

Director, Overseas Land Improvement Cooperation Office,
Design Division, Construction Department, Agricultural
Structure Improvement Bureau, MAFF

- (2) Mr. Yosiaki Kano : Sub-leader / Technical Cooperation
 Director, Agricultural Technical Cooperation Division,
 Agricultural Development Cooperation Department, JICA
- (3) Mr. Kiyotoshi Dosho : Regional Plan / Agricultural and
 Rural infrastructure
 Deputy Managing Director, Project Management
 Department, JALDA
- (4) Mr. Kazuhiro Yasuhisa : Farm Management / Farmers' Group
 Chief, Office of Farm Youth Development, Extension and
 Education Division, Agricultural Production Bureau,
 MAFF
- (5) Mr. Osamu Kosegawa : Coordination
 Staff, Agricultural Technical Cooperation Division,
 Agricultural Development Cooperation Department, JICA

Remarks : MAFF : Ministry of Agriculture, Forestry and
 Fisheries

JICA : Japan International Cooperation Agency

JALDA: Japan Agricultural Land Development Agency

3. Itinerary

August 24 (Tue)	Arrival in Jakarta
25 (Wed)	Courtesy call to the Embassy of Japan Discussion with the JICA office staff Courtesy call to the Ministry of Agriculture and BAPPENAS
26 (Thu)	Move to Ujung Pandang
27 (Fri)	Move to Kendari Field survey in Ranomeeto, Meeting with JICA experts
28 (Sat)	Courtesy call on the Governor and to the Regional Office, Ministry of Agriculture, and Bappeda Field survey in Onewila and sabulakoa
29 (Sun)	Field survey in the other villages
30 (Mon)	Preparation of a report
31 (Tue)	Meeting with the officers concerned with the Project

September 1 (Wed) Move to Jakarta via Ujung Pandang
2 (Thu) Meeting with the officers concerned with the
Project from the Ministry of Agriculture and
BAPPENAS
Submission of a summary report and signing of
the Minutes of the Discussions
3 (Fri) Leave Jakarta for Japan

4. Results of evaluation

(1) Summary

The Project has been implemented in accordance with the R/D and itemized TSI signed on January 26, 1991 and March 6, 1992, respectively.

Until now, both Governments have disbursed substantial input, as stipulated in the R/D and the Project has been managed successfully. Both Japanese experts and Indonesian counterparts have made strenuous efforts in achieving the objectives of the Project.

Accordingly, there was such tangible progress as itemized below.

- 1) Agricultural and rural infrastructure such as paddy fields, upland fields, feeder roads and irrigation canals etc., are being developed with full participation of the farmers from planning to implementation stages.
- 2) Working groups were established in four fields ; namely "Construction", "Machinery", "Training" and "Sustainability" with JICA experts, counterparts and village headmen as principal members in order to promote the Project activities.
- 3) Water user's association and agricultural cooperative were set up in the Project area. In addition, establishment of a "Committee of Maintenance and Management of Machinery and Facilities" is under consideration.
- 4) Fund was established after saving up a portion of wages paid to the farmers for their participation in the construction works. This fund will be spent on the maintenance of the newly built canals and so on, and on the operation cost of farmers' groups.
- 5) Activities of present KUD were activated after being motivated by the start of the Project. KUD is to begin the service of procurement and selling of agricultural inputs and of credit.
- 6) A number of farmers became capable of operating hand-tractors through the training. Some of them were trained further and got acquainted with high-skills for the operation of heavy construction machines.
- 7) Technology is being transferred steadily from JICA experts to their counterparts on bringing "Alang-Alang" wilderness under cultivation, direct-sowing of germinated paddy seeds and soil analysis and improvement.

(2) Contribution of the Government of Japan

1) Dispatch of Japanese experts (Table-1)

The first batch of four (4) long-term experts were assigned to the Project in June, 1991, three (3) months later after the R/D went into effect. They were followed by three (3) more colleagues later.

Some of them extended two (2) years service while the others were / are going to be replaced by their successors.

In addition, ten (10) short-term experts in six(6) fields were sent when the need arose. They fully backed up the activities of the long-term experts.

2) Provision of machinery and equipment (Table-2)

Various machinery and equipment were provided by JICA. They generally met the need of the Project, and most of them have been well maintained and used effectively.

3) Training of Indonesia counterparts in Japan (Table-1)

JICA accepted nine (9) counterparts until now, and two (2) more are to be accepted in the Japanese fiscal year 1993.

4) Audiovisual materials (Table-7)

A number of audiovisual materials were/are going to be produced by JICA.

5) Others (Table-3,4,5,6)

JICA took the following special measures to supplement the local cost.

Firstly, a large amount of budget was provided for the execution of physical infrastructure. Secondly, a substantial budget was released for the training of regional and provincial government officials, extension workers and key farmers. Thirdly, a variety of budget were also disbursed at the right time to support the Project activities

(3) Contribution of the Government of Indonesia

1) Provision of land, building and facilities

Land, buildings and facilities were provided by Indonesia. The project office was constructed in time for the arrival of JICA experts and it was expanded this year. The Project branch office was opened in Palangga recently.

2) Assignment of counterparts and other personnel (Table-8)

At the beginning stage of the Project, relatively unexperienced staff with different specialities were assigned to JICA experts. However, this problem has been gradually sorted out.

3) Counterpart budget allocation (Table-9)

The Government of Indonesia and the provincial government of Southeast Sulawesi released budget for operation and management.

5. Project activities

(1) Planning of the integrated agricultural and rural development

The initial development plan for each village has been revised and reconfirmed by the officials concerned with the Project based on the development plan map which was drawn up at the time of the long term survey.

To make the most of the lessons learnt in the course of the construction work in Ranomeeto, discussions are now focusing on the roads which will connect the main agricultural villages with the existing public roads and on the rehabilitation and improvement of the existing feeder roads to assist in the marketing of agricultural products.

At the same time, special attention is being paid when the construction sites for agricultural facilities are decided so that they are placed along the feeder roads where local farmers can use them effectively.

In the meantime, there were difficulties of land acquisition and negotiation would be necessary in the future to sort them out.

Training courses on this topic were held this year with lecturers invited from universities and government offices in Jakarta and Kendari.

(2) Development of agricultural and rural infrastructure

All the construction works of agricultural and rural infrastructure for Ranomeeto were completed in July, 1993 and basic agricultural infrastructure for Palangga will be established in September, 1993.

In 1993, the agricultural and rural facilities for Palangga, all the agricultural and rural infrastructure for Kiaeya and the community centers for Lalobao and Lapulu are scheduled to be completed.

In 1994, the remaining works for Lalobao and Lapulu and all the agricultural and rural infrastructure for Laeya may be completed.

In 1995, all the works for Onewila and Sabulakoa will be started and completed.

Meanwhile, it is clear that there is a serious delay in construction works.

The reasons for the delay are considered to be as follows:

1) Delay of assignment of counterparts

When the first batch of JICA experts arrived in Kendari in June, 1991, the Project Manager *(head of regional office, MOA) was absent, having taken part in a long-term seminar outside Kendari. Consequently, the assignment of counterparts was delayed. The JICA experts could not start their cooperation activities smoothly including discussions with and explanation to the local people about the Project, as counterparts were indispensable to accompany them.

2). Difficulties of land acquisition

Most of the land in the Project area was under private ownership. Therefore, a lot of time was consumed sorting out these difficulties.

3). Delay in arrival of heavy construction machinery

As soon as the first batch of JICA experts arrived in Kendari, they started preparing documents necessary for the local procurement of the said machines. However, it took almost one year for such crucial machines as bulldozers and dump-trucks to arrive at the Project site. This was mainly due to the unsatisfactory telecommunication and transport conditions between Jakarta and Kendari

4) Allocation of counterparts

At regional Office, which is the Project implementation agency, there are no staff in the fields of civil engineering, the operation and maintenance of construction machines, water management and so on corresponding to those of the JICA experts. Most of the staff at regional office are specialists in agricultural economics, statistics, extension and cultivation, and are not experienced yet in integrated agricultural and rural development projects. Under these circumstances, there have been little constructive ideas and opinions coming from counterparts on the Project activities. Therefore, requests were made by the JICA experts to assign appropriate counterparts from relevant provincial offices to make up for those not available at regional office.

(3) Demonstration of cultivation and farming techniques

Firstly, the present farming system and technical standard of the farmers in the project area were investigated by the JICA experts, and then the problems needed to be tackled were discussed with the counterparts.

This item covers many kinds of crops, such as paddy rice, upland crops and estate crops and it has been decided that emphasis should be placed on the demonstration of appropriate technology and practical training of farmers. Now that all the demonstration farms for paddy rice, upland crops and estate crops have been established in Ranomeeto and Palangga, experiments on direct sowing and fertilization of paddy rice, the effects of earthening for soybean and the trial planting of cashew nuts have been started.

Meanwhile, attacks on the crops by wild boars and army worms were encountered several times and countermeasures to be taken were discussed.

It is considered that it will take some more time to establish farming system accepted by the farmers through continuous demonstration and practical training.

(4) Strengthening of farmers groups

Since this item had not been investigated in concrete terms by the long-term survey mission, it was necessary to start by investigating the existing farmers groups, water user's association and women's groups in each village, to study their organization and find ways of strengthening them.

Emphasis was placed on setting up working groups which would be responsible for the operation, management and maintenance of the provided equipment and constructed facilities, while farmers continued to participate in the

construction works.

Mini-projects such as papaya seedling distribution, groundnut growing, poultry and so on were started and are going on in order to keep in touch with women's groups and youth groups.

At present, efforts are being made to set up new farmers' groups and water users' associations for the newly opened paddy fields under the Project and to make the most of the existing KUDs in the Projects activities.

- (5) Training of government officials, key farmers and farmers' group

In the first year (1991), four courses were carried out successfully, and full courses - fifteen courses - were implemented and well received by the participants in the second year (1992). In the second year, a farmers' day was arranged in order to publicize the Project and to promote friendship among farmers. In the third year (1993), full courses are planned again.

6. Recommendations

- (1) To catch up with a delay of the improvement works of physical infrastructure, both sides should make every possible efforts in terms of continuous dispatch/assignment of capable JICA experts and counterparts and timely release of the necessary budget.
- (2) Most Japanese budget was spent for developing the agricultural and rural infrastructure. Since Indonesia is expected to implement the rural development in other villages based on the experience and knowledge acquired through the Project, Indonesian side is requested to make efforts to increase the budget especially for developing the agricultural and rural infrastructure.
- (3) The achievement made so far should be compiled so that it can be utilized as a guideline for the integrated agricultural and rural development projects in other areas.
- (4) To sustain and further develop the Project, the Indonesian side should establish management system in which equipment, facilities and infrastructure provided and constructed by the Project will be utilized effectively after the termination of the cooperation period.

Integrated Agricultural and Rural Development Project in Southeast Sulawesi Province
 Accomplishment Japanese Technical Cooperation Program in 1991/92-1993/94

Table-1

YEAR	1989	1990	1991	1992	1993	1994	1995
Cooperation Period		3/1-					2/29
Dispatch of Survey Teams	Project Formulation (3/15-3/25)	Long Term Implementation (9/6-11/8) (1/16-1/27)	Consultation (2/24-3/8)		Technical Guidance (8/24-9/4)		
Dispatch of experts							
1) Long-term experts in the field of							
Team Leader & Regional Planning Coordinator		Mr. Mbuyoshi Kayano	6/5			6/4	
Agricultural & Rural Infrastructure		Mr. Seichi Ogasawara	6/5			6/4	
Agricultural & Rural Infrastructure		Mr. Tatsuo Matsunaka	6/5		8/4		
Construction & Land Reclamation		Mr. Shuji Takaoke			7/8		7/7
Construction & Land Reclamation		Mr. Fujiyoshi Hatanaka	10/14		10/13		
Operation & Maintenance of Machinery		Mr. Tokutaro Saita			9/29		9/28
Operation & Maintenance of Machinery		Mr. Ryoji Tanakuma	8/26		2/25		
Farming Guidance		Mr. Yoshiya Takashima	6/5		2/mid.	6/4	
Farmers' Group Strengthening		Mr. Yoshiniko Nishimura	8/26				8/25
2) Short-term experts in the field of							
Agricultural Economy		Mr. Shunsuke Akanatsu	9/30-11/14	1/11-3/10			
Designing Agricultural Facilities		Mr. Toshiro Morokuma	10/14-11/29				
Soil Analysis		Mr. Kazumi Karube	1/21-2/19		7/22-9/21		
Soil Analysis		Mr. Takashi Kobayashi		1/11-3/10			
Livestock Development		Mr. Yoshiki Abe	3/2-3/31	11/20-2/19	9/23-12/22		
Water Resources Development		Mr. Akira Ito		10/11-12/14			
Water Resources Development		Mr. Chuichi Murayama			10/beg.-12/beg.		
Land Reclamation by Heavy Machines		Mr. Seiji Fujita			8/30-11/29		
C/P Training in Japan in the field of							
Study Tour		Dr. Faisal Kasryno	8/15-8/30				
Study Tour		Mr. Soedjatmiko			7/11-7/24		
Regional Development		Mr. Putu B. Arsana	1/14-2/16				
Project Management		Mr. Yusuf YAKUB	3/22-4/7				
Agricultural Cooperation Association		Mr. Zainal ABIDIN	5/18-7/19				
Vegetable Seed Production		Mr. Syaiful RIJAL		2/8	11/26		
Regional Agricultural Administration		Mr. Ridwan ZAKARIAH		2/21-3/20			
Construction & Land Reclamation Planning		Mr. Suvadji		3/14-4/8			
Vegetable Cultivation & Farming Guidance		Mr. Nodi Sattu			8/23-9/17		
Agricultural Economy & Marketing		Mr. Mustari Jalal			9/23-2/beg.		
Farm Mechanization		Mr. Juhur			3/1		11/19

Integrated Agricultural and Rural Development Project in Southeast Sulawesi Province
 Accomplishment Japanese Technical Cooperation Program in 1991/92-1993/94

Table-2

YEAR	1989	1990	1991	1992	1993	1994	1995
Cooperation Period		3/1					2/29
Provision of Machinery & Equipment							
1) To be purchased in Indonesia					(planned)		
			¥85,903,000	¥57,975,000	¥27,390,000		
(Total Cost)							
Construction Machinery(Bulldozer, Back hoe, Truck, ...)			¥51,692,000	¥26,893,000	-		
Farming & Training Machinery(Tractor, Rice milling unit,...)			¥13,310,000	¥8,703,000	¥1,924,000		
Livestock Machinery(Weight Scales, Truck, Refrigerator,...)			-	¥3,981,000	¥44,000		
Information & Extension Equipment(TV set, Slide projector,...)			¥3,272,000	¥4,572,000	¥589,000		
Weather Observation & Survey Equipment(Evaporation pan, ...)			¥2,437,000	¥482,000	¥291,000		
Vehicles(Motor cycle, Jeep, ...)			¥13,497,000	¥7,226,000	¥11,218,000		
Tools & Equipment for Maintenance & Repairing Machinery			-	¥3,036,000	¥148,000		
Official Equipment(Copier, Personal computer, ...)			¥1,695,000	¥3,032,000	¥1,287,000		
Expendable Supplies(Spare parts, ...)			-	-	¥11,889,000		
2) To be purchased in Japan					(planned)		
			¥11,313,000	¥12,426,000	¥498,000		
(Total Cost)							
a. Farming & Training Machinery							
Soil Survey Equipment(Electric balance, ...)			¥708,000	¥567,000	-		
Cultivation & Yield Investigation Equipment(Germinator..)			¥8,575,000	¥310,000	-		
Disease & Insect Pest control Equipment(Binocular,...)			-	¥400,000	-		
Farming Equipment(Tractor attachment,...)			-	¥4,528,000	¥415,000		
Livestock Equipment(Microscope, ...)			-	¥1,320,000	-		
b. Information & Extension Equipment(Video camera system,...)			¥2,030,000	¥976,000	-		
c. Weather Observation and Survey Equipment(Rain gages, ...)			-	¥2,441,000	-		
d. Tools & Equipment for Maintenance & Repairing Machinery			-	¥455,000	-		
e. Others			-	¥1,429,000	¥83,000		

Table-3

Integrated Agricultural and Rural Development Project in Southeast Sulawesi Province
 Accomplishment Japanese Technical Cooperation Program in 1991/92-1993/94

YEAR	1989	1990	1991	1992	1993	1994	1995
Cooperation Period							2/23
Local Cost							
1)Local Management Cost							
Activities of Experts			¥2,800,000	¥3,262,000	¥5,298,000		
Survey and Designing for Land Reclamation			¥1,420,000	¥2,133,000			
Lease of Cars			¥497,000	¥298,000			
Traveling Expenses			¥589,000				
Related Survey				¥869,000	¥732,000		
2)Local Research Cost							
3)Subsidy for C/P Activities			¥900,000	¥1,154,000	¥923,000		
4)Technology Dissemination and Publicity Cost				¥320,000	¥650,000		
5)Emergency Expenditure							
Construction of Storage House for the Supplied Equipment			¥456,300	¥1,064,700			
Wooden Bridge Works at Palanasa Village				¥1,951,000			
6)Demonstration Cost for Appropriate Technology				¥660,000	¥1,101,000		

Interested Agricultural and Rural Development Project in Southeast Sulawesi Province
 Accomplishment Japanese Technical Cooperation Program in 1991/92-1993/94

Table-4

Cooperation Period	YEAR				
	1989	1990	1991	1992	1993
7) Training Cost for Regional and Provincial Government Officials, Extension Workers, Key-Farmers & Farmers' Group			¥1,700,000	¥6,415,000	¥5,088,000 (planned)
1) Planning Method of Agricultural & Rural Development					
① Agricultural & Rural Development: Officials				3/30-31(45)	2/mid.(50)
② Land Reclamation: Officials & Key-Farmers				2/9-18(16)	10/mid.(16)
③ Machinery Operation & Maintenance: Officials & Key-Farmers			3/16-29(20)	12/9-22(20)	9/mid.(20)
2) Farm Management & Cultivation Techniques					
④ Paddy: Officials					
Key-Farmers			3/10-14(19)	11/16-28(20)	8/beg.(20)
Farmer's Group			3/20-23(20)	11/16-22(20)	8/mid.(20)
⑤ Secondary Food Crops: Officials				1/14(G10)	8/end(10G)
Key-Farmers			3/15-19(20)	11/30-12/13(20)	9/beg.(20名)
Farmer's Group			3/24-26(20)	12/16-22(20)	9/mid.(20)
⑥ Estate Crops: Officials				1/28(G10)	9/end(10G)
Key-Farmers				12/1-14(20)	10/beg.(20)
Farmer's Group				1/4-10(20)	10/mid.(20)
⑦ Livestock: Officials				1/29(G10)	10/end(10G)
Key-Farmers				1/25-28(20)	11/beg.(20)
Farmer's Group				1/25-28(33)	11/mid.(20)
⑧ Water Management: Officials & Key-Farmers					
3) Farmers' Group				1/21-2/4(20)	11/end(10G)
⑨ Strengthening of Farmers' Group: Leaders					11/mid.(20)
⑩ Strengthening of Rural Women's Group: Leaders					
Farmer's Group				12/1-2(65)	8/beg.(30)
⑪ Improvement of Rural Life: Farmers				1/24-25(45)	9/beg.(20)
⑫ Other Training: Youth				11/26-28(336)	9/mid.(10G)
Less Experienced Farmers				12/3-4(78)	10/end(40)
⑬ Farmers' Day: Farmers					
⑭ Study Tour to Developed Farming Area: Officials & Key-Farmers				12/8-10(83)	11/mid.(40)
				12/15-17(79)	12/end(40)
				2/1(250)	2/beg(200)
				4/16-22(15)	1/beg(20)

() : Number of Participants

Table-5

Integrated Agricultural and Rural Development Project in Southeast Sulawesi Province
 Accomplishment Japanese Technical Cooperation Program in 1991/92-1993/94

Cooperation Period	1989	1990	1991	1992	1993	1994	1995
3/1							
8) Cost for Physical Infrastructure Works (Total Cost)			¥18,265,000	¥23,504,000	¥47,410,000		
①Ranomeeto			(3)	(2)			
Land Reclamation: 25ha			¥671,000				
Intake Weir: 1(new), 1(rehabilitation)			¥3,634,400				
Drop Structure: 11			¥702,000				
Diversion Work: 5			¥1,751,900				
Aqueduct: 5			¥397,600				
Culvert: 4			¥497,000				
Bridge: 1			¥695,800				
Irrigation & Drainage Canal: 6.48km			¥1,851,400				
Access Road: 0.3km			¥689,600				
Seed Storage Facilities: 1			¥844,900				
Training Hall: 3			¥1,385,400				
Communal Well Facilities: 5			¥385,200				
Others			¥4,758,800				
							(2)------(7)
Auction Yard: 1				¥4,188,600			
Cattle Fattening Yard: 1				¥310,700			
Rice Milling Facility: 1				¥638,800			
Dry Yard: 2				¥562,900			
							(12)------(9)
②Palangga							
Land Reclamation: 25ha				¥788,400			
Intake Weir: 1				¥7,701,400			
Drop Structure: 6				¥438,300			
Diversion Work: 3				¥1,068,000			
Aqueduct: 1				¥428,100			
Culvert: 4				¥515,500			
Bridge: 1				¥751,500			
Irrigation & Drainage Canal: 1.707km				¥717,600			
Training Hall: 2				¥1,458,000			
Communal Well Facilities: 2				¥179,400			
Others							¥3,761,800

Table-6

Integrated Agricultural and Rural Development Project in Southeast Sulawesi Province
 Accomplishment Japanese Technical Cooperation Program in 1991/92-1993/94

YEAR	1989	1990	1991	1992	1993	1994	1995
Cooperation Period			3/1				2/29
					(10)------(3) ¥473,400		
	Farm Road: 1.0km				¥1,021,600		
	Seed Storage Facilities: 1				¥659,000		
	Rice Milling Facilities: 1				¥257,700		
	Dry Yard: 1				¥294,700		
	Demonstration Plot for Cattle Fattening: 1				¥248,900		
	Communal Well Facilities: 3						
	③Xiaseya				(10)------(3) ¥853,300		
	Land Reclamation: 30.0ha				¥11,372,100		
	Intake Weir: 1				¥2,491,100		
	Irrigation & Drainage Canal: 3.7km				¥3,432,200		
	Concrete Canal 400m				¥1,092,000		
	Diversion Work: 6				¥623,800		
	Drop Structure: 8				¥2,926,700		
	Culvert: 9				¥1,429,200		
	Aqueduct: 2				¥1,420,300		
	Farm Road: 3.0km				¥1,088,200		
	Bridge: 1						
1993	Rice Milling Facility: 1				¥659,000		
	Dry Yard: 1				¥257,700		
	Training Hall: 1				¥1,535,300		
	Communal Well Facility: 5				¥414,800		
	④Lalobso				(11)------(3) ¥1,535,300		
	Training Hall: 1						
	⑤Lapulu				(11)------(3) ¥1,535,300		
	Training Hall: 1						
	Others				¥11,788,600		

Audiovisual Materials produced by JICA

Table-7

	1991	1992	1993	1994	1995
Video	Rice Culture	Physiology of Paddy and Fertilizer Application	Operation & Maintenance of Farming Machinery	Land Reclamation -Efficient Use of Waste Land-	Land Conservation
Technical Guidebook	Basic Design of Fixed Weirs	Basic Design of Timber Bridges	Land Reclamation by Heavy Machines	Land Reclamation	Land Conservation -Prevention of Disasters-
Slide	Features and Improvement of Paddy Soil	Soil of Upland Field -Its Features and Improvement-	Mineral Deficiency Symptoms and its Counter-measures	Operation & Maintenance of Upland Field	Operation & Maintenance of Paddy Field
Booklet 1	Features and Improvement of Paddy Soil	Soil of Upland Field -its Features and Improvement-	Mineral Deficiency Symptoms and its Counter-measures	Operation & Maintenance of Upland Field	Operation & Maintenance of Paddy Field
Booklet 2	Cultivation of Soybeans	Cultivation of Rice	Cultivation of Maize	Cultivation of Fruits and Vegetables	Cultivation of Rootcrops
Poster 1	Features and Improvement of Paddy Soil	Soil of Upland Field -Its Features and Improvement-	Mineral Deficiency Symptoms and its Counter-measures	Operation & Maintenance of Upland Field	Operation & Maintenance of Paddy Field
Poster 2	Cultivation of Soybeans	Cultivation of Rice	Cultivation of Maize	Cultivation of Fruits and Vegetables	Cultivation of Rootcrops

Table - 8

(1/2)
August 15, 1993

LIST OF COUNTERPART PERSONNEL

No.	Name of Counterparts	Title of Present Posts held or Last Posts	Date of Service	Speciality	Educational Background	Field of Experts	Record of C/P Training in Japan	Remarks
1	Dr. Faisal Kusrino	Head of Bureau of Planning, Ministry of Agriculture (MOA)	91.06.05	Agri. Economics	Doctor degree on Agricultural Economics, NEBRASKA University, USA	Team Leader & Regional Development	Observation Tour in Integrated Agricultural & Rural Development (1991.8.15 - 8.30)	Changes on May, 1993
2	Dr. Chairil Hawar Basahan	- ditto -	93.05.	Agri. Economics	Doctor degree on Agricultural Economics, USA	- ditto -	Project Management (1992.3.22 - 4.7)	Appointed on May, 1993 Part-time C/P
3	Mr. Yusuf Yakub	Head of Regional Office in Southeast Sulawesi Province, MOA	91.06.05	Agronomy	Master degree on Education, SAM HOUSTON STATE University, USA	- ditto -	-	Part-time C/P Changes on Mar., 1993
4	Mr. La Aonu	Chairman of Provincial Dev. Planning Agency (BAPPEDA), Southeast(SE) Sulawesi Province	91.10.03	Sociology	Faculty of Economics, HASANUDDIN University	- ditto -	Observation Tour (1993.7.11 - 7.24)	Part-time C/P Changes on Apr., 1993
5	Dr. La Ode Abd. Rauf	- ditto -	93.04.16	Sociology	Doctor degree on Sociology, HASANUDDIN University	- ditto -	Agri. Cooperative Association (1992.5.18 - 7.19)	Part-time C/P Appointed on Apr 1993
6	Mr. Soedjatmiko	Vice Chairman of Provincial Parliament, SE Sulawesi Province	91.06.05	Civil Engi. neering	Technical Academy of Bandung	- ditto -	Regional Agri. Development (1992.1.15 - 2.16)	Full-time C/P
7	Mr. Putu B. Arsana	Staff of Agri. Regional Planning Div. Bureau of Planning, MOA	91.10.03	Agri. Economics	Faculty of Agriculture, GAJAH MADA University	- ditto -	Regional Agri. Administration (1993.2.21 - 3.20)	Changes on Sep., 1992
8	Mr. Zainal Abidin	Head of Regional Program Div., Regional Office, MOA	91.10.03	Animal Husbandry	Faculty of Agriculture, HASANUDDIN University	- ditto -	-	Full-time C/P
9	Mr. Edyson Davoh	Head of Economics Div., BAPPEDA, SE Sulawesi Prov.	91.10.03	Economics	Faculty of Economics, HASANUDDIN University	- ditto -	-	Changes on Sep., 1992
10	Mr. Ridwan Zakariah	Head of Physical Div., BAPPEDA, SE Sulawesi Prov.	92.09.07	Economics	Faculty of Economics, HASANUDDIN University	- ditto -	-	Full-time C/P
11	Mr. Theodosius Mangape	Head of Collection & Statistical Data Sec., Regional Office, MOA	91.10.03	Forestry	Faculty of Forestry, HASANUDDIN University	Coordinator	-	Part-time C/P
12	Mr. Prasetyo Budi Rahardjo	Staff of Control & Evaluation Div. Regional Office, MOA	91.10.03	Agronomy	Faculty of Agri., MERDEKA University	Agricultural & Rural Infra.	-	Full-time C/P (former C/P of Agri. Facilities designing)
13	Mr. Suyadi	Head of Irrigation Sec., Public Works Office, SE Sulawesi Prov.	91.10.03	Civil Engi. neering	Master degree on Civil Engineering, ANVA University, INDIA	- ditto -	Construction Management (1993.3.14 - 4.8)	Part-time C/P
14	Mr. Yusral Tahir	Staff of Technology Implementation Sec., Regional Office, MOA	91.10.03	Agronomy	Faculty of Agri., LAMPUNG University	Construction Management	-	Full-time C/P Changes on Dec., 1992
15	Mr. Rahman Garrahama	Staff of Irrigation Sec., Public Works Office, SE Sulawesi Prov.	91.10.03	Civil Engi. neering	Technical Academy	- ditto -	-	Full-time C/P (former C/P of Agri. Rural Infrastructure)

No.	Name of Counterparts	Title of Present Posts held or Last Posts	Date of Service	Speciality	Educational Background	Field of Experts	Record of C/P Training in Japan	Remarks
12	Mr. Modi Sattu	Head of Subdivisional Extension, Food Crops Office, SE Sulawesi Prov.	91.10.03	Agronomy	Faculty of Agri., HASANUDDIN University	Construction Management	Vegetable Cultivation (1993.8.23 - 9.17)	Part-time C/P
13	Mr. Juhuri	Staff of Monitoring Sec., Regional Office, MOA	91.10.03	Agri. Economics	Faculty of Agri., HALUOLEO University	Operation & Maintenance of Machinery		Full-time C/P
14	Mr. Soetigno	Principal of Provincial Agri. High School, MOA	93.05.12	Agronomy	Master degree on Education, SAM HOUSTON STATE University, USA	- ditto -		Full-time C/P
15	Mr. La Ode Talibu Baafi	Staff of Production Sec., Food Crops Office, SE Sulawesi Prov.	93.06.19	Agri. Machinery	EXACT Senior High School	- ditto -		Full-time C/P
16	Mr. Samsul Rijal	Head of Technology Implementation Sec., Regional Office, MOA	91.08.01	Agronomy	Faculty of Agri., HASANUDDIN University	Farming Guidance	Vegetable Seed Production (1993.2.8 - 11.26)	Full-time C/P
17	Mr. Ma'ruf Ja'far	Head of Extension Sec., Estate Crops Office, SE Sulawesi Prov.	93.03.20	Agronomy	Faculty of Agri., HASANUDDIN University	- ditto -		Part-time C/P
18	Mr. Bien Bangapadang	Chief of Agri. Extension Office, MOA	93.05.12	Agronomy	Master degree on Tropical Crops storage & Processing SILESUE University, England	Farmers' Group Strengthening		Full-time C/P
19	Mr. Happingangku	Chief of Agri. Extension Office, MOA	91.10.03	Agri. Economics	Faculty of Agri., HALUOLEO University	- ditto -		Full-time C/P
20	Mr. Mansur Azis	Head of Agri. Information Center, MOA	91.10.03	Agronomy	Faculty of Agri., HASANUDDIN University	- ditto -		Part-time C/P
21	Mr. Mustari Jalal	Staff Formulation Program Sec., Regional Office, MOA	91.12.01	Agri. Economics	Faculty of Agri., HALUOLEO University	Agri. Economics	Agri. Economics & Distribution of Fresh Fruits & Vegetables (1993.9.16 - 12.28)	Part-time C/P
22	Mr. Hasan Martiono	Head of Animal Disease Sec. Livestock Office, SE Sulawesi Prov	91.12.01	Animal Disease	Faculty of Veterinary Medicine BOGOR Agricultural University	Livestock Development		Part-time C/P
23	Mr. Siradjuddin	Head of Formulation Planning of Regional Program Sec., Regional Office, MOA	91.10.03	Agronomy	Faculty of Agriculture, GAJAR MADA University	Soil Analysis		Part-time C/P
	Mr. Abdul Rias	Staff of Extension Sec., Food Crops Office, SE Sulawesi Prov.	93.07.20	Agronomy	SEWABANG Farming Academy	- ditto -		Part-time C/P Changes on Jun., 1993 Part-time C/P Appointed on Jul., 1993

Local Cost Expenditure of Indonesian Side

Table - 9
8/14/1993

(Rupiah)

	Items/Contents	Amount				Total	Remarks
		1990/1991	1991/1992	1992/1993	※1 1993/1994		
C e n t r a l B u d g e t	1. Construction & Infrastructural Works 1)Storage for the Supplied Equipment (Area of building : 155.4mf)		5,800,000			5,800,000	※1 implementation budget
	2. Allowance for Counterparts 1)Honorarium 2)Travel Allowance			7,840,000 9,737,000	4,920,000 9,920,000	12,760,000 19,657,000	※2 1)allocated to Bureau of Planning, MOA 2)including the allowance for counterparts
	3. Supply Equipment & Maintenance Cost 1)Fuel & Oil Expenses, Registration Fee.			17,377,000	17,000,000	34,377,000	
	4. Training Cost for Government Officials, Key-farmers and Farmers Groups			4,804,000	22,345,000	27,149,000	
	5. Official Consumption			3,500,000	2,100,000	5,600,000	
	6. Management Cost for Demonstration Farm			3,750,000	2,000,000	5,750,000	
	7. Extension & Advertisement Cost, Meeting Cost			7,300,000	3,200,000	10,500,000	
	8. Administration Cost			4,600,000	23,000,000	27,600,000	※2
Sub - Total		0	5,800,000	58,908,000	84,485,000	149,193,000	
P r o v i n c i a l B u d g e t	1. Construction & Infrastructural Works 1)Construction of Project Office Building (Area of land : 1,661.9mf, Area of building : 157.3mf) Including Official facilities	73,382,000				73,382,000	
	※3 2)Construction of Palangga Camp (Area of building : 63mf) Including digging a Well	15,675,000				15,675,000	※3 Constructed in 1992/1993
	3)Construction of Meeting Hall at the Project Office (Area of building :38mf) including the installation works for expand- ing electric power			10,375,000		10,375,000	
	4)Installation for Culverts at Palangga, 2 units				2,977,950	2,977,950	
	5)Digging a Well at Palangga, 1 unit				2,977,950	2,977,950	
	2. Allowance for Counterparts 1)Honorarium 2)Travel Allowance for local travel 3)Travel Allowance for C/P going to Japan	2,580,000 17,020,000	7,080,000 16,580,000	1,500,000	1,800,000 15,230,000 5,070,000	12,960,000 48,830,000 5,070,000	
	3. Supply Equipment & Maintenance Cost 1)Fuel & Oil Expenses, Registration Fee				3,600,000	3,600,000	
	※4 2)Equipment & Facilities for the Project Office	6,000,000				6,000,000	※4,Purchased in 1992/1993
	※5 3)Equipment & Facilities for the Palangga Camp	4,490,000				4,490,000	※5,Purchased in 1992/1993
	4. Management Cost for Project Office 1)Electricity, Water supply, Telephone charges, Employment of a Security		5,760,000	8,840,000	9,600,000	24,200,000	
	5. Training Cost for Government Officials, Key-farmers and Farmers Groups				9,534,100	9,534,100	
	6. Management Cost for Auction Yard & Fattening Yard				7,505,000	7,505,000	
	7. Cost for reporting, Meeting and Consumption				8,955,000	8,955,000	
	8. Management Cost for Demonstration Field				7,750,000	7,750,000	
	9. Others 1)Cost for making a Land use mapping for 8 project site, Scale: 1/7000			80,000,000		80,000,000	
	Sub - Total	19,147,000	29,420,000	100,715,000	75,000,000	324,282,000	
	T o t a l	19,147,000	35,220,000	159,623,000	159,485,000	473,475,000	

附属資料 3. 日本側インプット総括表

インドネシア東南東スラウェシ州農業・農村総合開発計画 インプット総括表 (1/6)

年度	1989	1990	1991	1992	1993	1994	1995	
協力期間		3/1					2/29	
調査団派遣形成	3/15-3/25	長期 9/6-11/8 実施 1/16-1/27	計画打合せ 2/24-3/8		巡回指導 8/24-8/4			
長期	リーダ一葉地域計画 業務調整 農業農村基礎整備 農業農村基礎整備 施工管理 施工管理 機械維持管理・操作 機械維持管理・操作 営農指導 農民組織強化	壹野 信義 小笠原 壯一 松中 修夫 高岡 隆芳 齋田 徳太郎 玉篠 亮慈 未定 高島 良哉 西村 美彦 赤松 俊輔	6/5 6/5 6/5 10/14 8/26 6/5 8/26 9/30-11/14 10/14-11/29 1/21-2/19 3/2-3/31	1/11-3/10	7/22-9/21 9/23-12/22 10/上-12/上 8/30-11/29	6/4 6/4 7/7 2/25 2/中 6/4 8/25	2/中	
短期	農業経済 施設設計 土壌調査・分析 土壌調査・分析 畜産開発 水文調査解析 水文調査解析 農地の機械施工	齋藤 敏郎 加留部 一美 小林 尚 安部 芳馨 伊藤 村山 藤田 誠司		1/11-3/10 11/20-2/19 10/11-12/14				
研修員受入れ	農業視察研修 農業視察研修 農業経済一般・地域農業開発計画 プロジェクマネジメント 農業協同組合(集団コ-ス) 野菜採種(集団コ-ス) 地方農業行政 施工計画 野菜栽培 農業経済*農産物流通(集団コ-ス) 農業機械(集団コ-ス)	Dr. Faisal KASRYNO Mr. Soedjatmiko Mr. Putu B. Arsana Mr. Yusuf YAKUB Mr. Zainal ABIDIN Mr. Svamsul RIJAL Mr. Richan ZAKARIAH Mr. Suyadi Mr. Nodi Sattu Mr. Mustari Jajal Mr. Juhari	8/15-8/30 1/14-2/16 3/22-4/7 5/18-7/19 2/8-2/21-3/20 3/14-4/8	7/11-7/24	7/11-7/24 11/26 8/23-9/17 9/23-2/上 3/1	11/19		

インドネシア国南東スラウェシ州農業・農村総合開発計画 インプット総括表 (2/6)

年度 協力期間	1989	1990	1991	1992	1993	1994	1995
	3/1						2/29
現地 調査	(主な機材名)	(総額)	¥85,903,000	¥57,975,000	(計画) ¥27,390,000		
	農業基盤工事用(7.ト-ザ-、ハ-ツカホ-、トラツク等) 管理用(トラクタ-、脱穀機、種用ホ-ワ-等) 畜産関係(牛衝機、牛運搬車、保管冷蔵庫等) 普及活動用(テレビ、スライド映写機、OHP、発電機等) 気象観測・測量用(照発計等) 車両(ジ-ブ、オートバイ) 機械整備用機器材 事務用(コピー機、プリン等) 供与資機材補充*消耗機材(ク-7A-7等)		¥51,692,000 ¥13,310,000 - ¥3,272,000 ¥2,487,000 ¥13,497,000 ¥1,695,000 -	¥26,893,000 ¥6,703,000 ¥3,981,000 ¥4,572,000 ¥482,000 ¥7,226,000 ¥3,036,000 ¥3,082,000 -	¥1,924,000 - ¥44,000 ¥589,000 ¥291,000 ¥11,218,000 ¥148,000 ¥1,287,000 ¥11,889,000		
本邦 調査	(主な機材名)	(総額)	¥11,313,000	¥12,426,000	(計画) ¥498,000		
	1. 営農用 1) 土壤調査用(化学天秤、檢土杖、硬度計等) 2) 栽培調査用(発芽試験機、穀粒水分計等) 3) 病虫害関係(双眼顕微鏡等) 4) 畜産用(4輪トラクタ-7500、小型管理機等) 5) 畜産用(溶射蛍光顕微鏡等) 2. 普及活動用機器(ビデオカメラ、編集機等) 3. 気象観測用(日記湿度計、日記雨量計等) 4. 機械整備用機材 5. その他		¥708,000 ¥8,575,000 - - ¥2,030,000 -	¥567,000 ¥310,000 ¥400,000 ¥4,528,000 ¥1,320,000 ¥976,000 ¥2,441,000 ¥455,000 ¥1,429,000	- - - ¥415,000 - - - - ¥83,000		
機材供与							

インドネシア国南東スラウェシ州農業・農村総合開発計画 インプリント総括表 (3/6)

年度	1989	1990	1991	1992	1993	1994	1995
協力期間		3/1					2/29
ローカルコスト負担 1) 一般現地業務費			¥2,800,000	¥3,262,000	¥5,298,000		
専門家業務活動経費			¥1,420,000	¥2,133,000			
プロ基礎整備事業に係る測量設計調査費			¥497,000	¥298,000			
車両借上費			¥589,000				
域内旅費							
農民組織調査及び関連プロジェクト調査費				¥869,000	¥782,000		
2) 現地研究費					¥923,000		
3) 貧困国対策費			¥900,000	¥1,154,000			
C/P活動費助成経費							
4) 技術普及及び広報費				¥320,000	¥650,000		
プロジェクト紹介プロジェクト作成費							
5) 応急対策費			¥456,300	¥1,064,700			
供与機材保管庫及び周辺整備工事							
木構架設及び付帯施設工事費				¥1,951,000			
6) 地域実証普及費				¥660,000	¥1,101,000		
水箱直播栽培展示普及費							

インドネシア国南東スラウェシ州農業・農村総合開発計画 インプット総括表 (4/6)

年 度	1989	1990	1991	1992	1993	1994	1995
7) 中堅技術者養成対策事業		3/1					
		(総 額)	¥1,700,000	¥6,415,000	¥5,088,000		
① 農業農村開発計画 政府等関係職員				3/30-31(45名)	2/中(50名)		
② 農地造成 政府等関係職員、中核農民				2/9-19(16名)	10/中(16名)		
③ 農業機械操作・整備 政府等関係職員、中核農民			3/16-29(20名)	12/9-22(20名)	9/中(20名)		
④ 水稻栽培 政府等関係職員			3/10-14(19名)	11/16-29(20名)	8/上(20名)		
			3/20-23(20名)	11/16-22(20名)	8/中(20名)		
⑤ 畑作物 中核農民				1/14(G10)	8/下(10G)		
			3/15-19(20名)	11/30-12/13(20名)	9/上(20名)		
			3/24-26(20名)	12/16-22(20名)	9/中(20名)		
⑥ ITT-ト作物 政府等関係職員				1/28(G10)	9/下(10G)		
				12/1-14(20名)	10/上(20名)		
				1/4-10(20名)	10/中(20名)		
				1/29(G10)	10/下(10G)		
⑦ 多角の集約営農(畜産) 政府等関係職員				1/25-26(20名)	11/上(20名)		
				1/25-28(33名)	11/中(20名)		
					11/下(10G)		
⑧ 水管理 政府等関係職員、中核農民				1/21-2/4(20名)	11/中(20名)		
⑨ 農民組織強化 中核者				12/1-2(65名)	8/上(30名)		
⑩ 農村婦人組織強化 農村婦人グループ				1/24-25(45名)	9/上(20名)		
			3/10-12(117)	11/26-28(336名)	9/中(10G)		
⑪ 農村生活向上 中核者				12/3-4(78名)	10/下(40名)		
⑫ ITT-ト支援強化 農民若年層				12/8-10(83名)	11/中(40名)		
				12/15-17(79名)	12/下(40名)		
⑬ 農業祭 農業技術未熟農家				2/1(250名)	2/上(200名)		
⑭ 先進地視察 政府関係等職員、中核農民				4/16-22(15名)	1/上(20名)		

インドネシア国南東スラウェシ州農業・農村総合開発計画 インプット総括表 (6/6)

年度	1989	1990	1991	1992	1993	1994	1995
協力期間		3/1-					2/29
	道路工 1.0km				(10)-----(3) ¥473,400		
	種子貯蔵施設 1カ所				¥1,021,600		
	精米所 1カ所				¥659,000		
	乾燥施設 1カ所				¥257,700		
	肥育展示施設 1カ所				¥294,700		
	共同井戸施設 3カ所				¥248,900		
	③キアエア村				(10)-----(3)		
	農地造成 30.0ha				¥853,300		
	取水堰 1カ所				¥11,372,100		
	水路工 3.7km				¥2,491,100		
	コンクリート水路 400m				¥3,432,200		
	分水工 6カ所				¥1,092,000		
	落差工 8カ所				¥623,600		
	暗渠工 9カ所				¥2,926,700		
	水管橋 2カ所				¥1,429,200		
	道路工 3.0km				¥1,420,300		
	橋梁工 1カ所				¥1,088,200		
	精米所 1カ所				¥659,000		
	乾燥施設 1カ所				¥257,700		
	研修施設 1カ所				¥1,535,300		
	共同井戸施設 5カ所				¥414,800		
	④ラロバオ村				(11)-----(3)		
	研修施設 1カ所				¥1,535,300		
	⑤ラプル村				(11)-----(3)		
	研修施設 1カ所				¥1,535,300		
	その他				¥11,788,600		
1993年度							

TENTATIVE SCHEDULE OF IMPLEMENTATION (ITEMIZED)
 IN THE INTEGRATED AGRICULTURAL AND RURAL DEVELOPMENT PROJECT
 IN SOUTHEAST SULAWESI PROVINCE

ANNEX I

I t e m	First (1st) Year 4/91	Second (2nd) Year 4/92	Third (3rd) Year 4/93	Fourth (4th) Year 4/94	Fifth (5th) Year 4/95
I. Planning of the integrated agricultural and rural development					
1. Planning of land use and farming system					
1) Land use					
2. Survey on land use					
b. Land use plan					
2) Farming system					
a. Study on farm management technology					
b. Farming plan					
2. Development planning of agricultural and rural infrastructure					
1) Land survey					
a. Field survey on sites					
b. Topographical mapping					
2) Plan and design					
a. Land reclamation					
b. Basic agricultural infrastructure					
c. Agricultural and rural facilities					
II. Development of agricultural and rural infrastructure					
1. Development of basic agricultural infrastructure					
1) Land reclamation					
a. Land reclamation by machinery					
b. Construction management					
c. Machinery operation and maintenance					
2) Basic agricultural infrastructure					
a. Work execution					
b. Construction management					
2. Development of agricultural and rural facilities					
1) Work execution					
2) Construction management					

(Remarks): _____ :Desa Baramulo :Desa Palangga, :Desa Kiera, :Desa Laeya, :Desa Onewila,
 _____ :Desa Lalobu :Desa Lapiu :Desa Sabuliva

I t e m	First (1st) Year	Second (2nd) Year	Third (3rd) Year	Fourth (4th) Year	Fifth (5th) Year
	4/91	4/92	4/93	4/94	4/95
III. Demonstration of cultivation and farming techniques 1. Trials on improved farming technology 2. Demonstration and extension of farming technology 1) Paddy 2) Secondary food crops 3) Estate crops					
IV. Strengthening of farmers' group 1. Study on farmers' group activities 1) Present activities in the village 2) Review of the village formation 2. Formation and strengthening of farmers' group on the construction activities 1) Group formation 2) Counseling 3. Supporting activities for strengthening of farmers' group					

(Remarks): _____ :Desa Ranomeneo _____ :Desa Palangga _____ :Desa Kiaeva, Desa Laloba _____ :Desa Laeva, Desa Lapulu _____ :Desa Dneville, Desa Sabulakoa _____ :Others

2

I t e m	First (1st) Year 4/81	Second (2nd) Year 4/82	Third (3rd) Year 4/83	Fourth (4th) Year 4/84	Fifth (5th) Year 4/85
V. Training of government officials, key farmers and farmers' group 1. Planning method of agricultural and rural development 1) Agricultural and rural development plan 2) Land reclamation 3) Machinery operation and maintenance 2. Farm management and cultivation techniques 1) Paddy 2) Secondary food crops 3) Estate crops 4) Diversification system 5) Water management 3. Farmers' group 1) Strengthening of rural women's group 2) Improvement of rural life 4. Other training 1) Farmer's youth training 2) Less experienced farmers training 3) Farmers' day 4) Study tour to improved farming area					

(Remarks): _____ :Desa Panonoeto _____ :Desa Palangga _____ :Desa Klaya, _____ :Desa Laeva, _____ :Desa Onevile, _____ :All desa
 _____ :Desa Lalobu _____ :Desa Lapulu _____ :Desa Sabilakoe

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インドネシア南東スラウェシ州農業・農村総合開発計画に係る5ヶ年実施計画

実施計画内容	経過年次					(1/3)
	1年次 H9・4	2年次 H4・4	3年次 H5・4	4年次 H6・4	5年次 H7・4	
I. 農業・農村総合開発計画						
1. 土地利用及び管農計画						
1) 土地利用計画						
(1) 土地利用の調査						
(2) 土地利用計画						
2) 管農計画						
(1) 管農技術の実態調査						
(2) 管農計画						
2. 農業・農村基盤整備開発計画						
1) 測量調査						
(1) 現地測量						
(2) 地形図の作成						
2) 計画設計						
(1) 農地造成の計画設計						
(2) 土地基盤の計画設計						
(3) 農業用施設の計画設計						
II. 農業・農村基盤整備						
1. 土地基盤整備						
1) 農地造成						
(1) 農地造成の管理						
(2) 農地造成の管理						
(3) 農地造成の維持管理						
2) 土地基盤施設						
(1) 土地基盤施設の管理						
(2) 土地基盤施設の管理						
2. 農業・農村施設整備						
1) 農業・農村施設の実施						
2) 農業・農村施設の実施						

(備考) : ——— : ラノメト村、 ——— : パランガ村、 ——— : キアエア村、ラロハ村、 ——— : ラニア村、ララア村、 ——— : エネウイラ村、サアラコア村

実施計画内容	経過年次		1年次		2年次		3年次		4年次		5年次	
	年	月	H3・4		H4・4		H5・4		H6・4		H7・4	
Ⅲ. 栽培及び営農技術の展示 1. 改良技術導入試験 2. 営農技術の展示・普及 1) 水 稲 2) 畑作物 3) エステート作物												
Ⅳ. 農民組織強化 1. 農民組織調査 1) 対象 村 2) 類似プロジェクト等 2. 事業参加に係る組織育成・強化 1) 組織作り 2) カウンセリング 3. 組織活動支援事業												

(備考): ——— ; ラノメト村、——— ; パランガ村、..... ; キアエア村、ラロバ村、..... ; ラエア村、ラアル村、——— ; オネウイラ村、サブラコア村、——— ; その他

実施計画内容	経過年次		1年次		2年次		3年次		4年次		5年次	
	年	月	H3・4	H4・4	H5・4	H6・4	H7・4					
V. 政府等関係職員、中核農民及び農民グループ研修												
1. 農業・農村開発計画												
1) 農業・農村開発計画												
2) 農地造成												
3) 農業機械操作・整備												
2. 営農計画及び栽培(営農栽培技術)												
1) 水稻栽培												
2) 畑作物												
3) エステート作物												
4) 多角的集約営農												
5) 水管理												
3. 農民組織												
1) 組織強化												
2) 農村婦人組織強化												
3) 農村生活向上												
4. その他プロジェクト支援強化												
1) 農民若年層研修												
2) 農業技術未熟農家研修												
3) 農業祭												
4) 州外先進地視察研修												

(備考): ——— ; ラノメト村、ハランガ村、キアエア村、ラロバオ村、ラエア村、ラアル村、オホウイラ村、サブラゴア村、全設

附屬資料 5. C/P 配置表

カウンタナーパート配置状況

(1/2)

番号	カウンタナーパート氏名	所属機関及び職位	配属年月日	専門分野	学歴	指導専門家	研修受入分野(期間)	備	考
1	Dr. Faisal Kasryno	農業省省務計画局長	91.06.05	農業経済	NEBRASKA 大学(米国) 農業経済博士課程	リナー 兼地域開発	視察研修(農業、農村開発計画) (1991.8.15 - 8.30)	1993.5. 異動 1993.5. 兼任	
2	Dr. Chairil Anwar Pasaban	同上	93.05.	農業経済	農業経済博士課程	同上	7/27 出張-アウト (1992.3.22 - 4.7)	Part-time C/P	
3	Mr. Yusuf Yakub	農業省地域事務所所長	91.06.05	農学	SAM HOUSTON STATE 大学(米国) 教育学修士課程	同上		Part-time C/P	
4	Mr. La Ode Abd. Rauf	南東方カウンタナー所長	91.06.05	政治経済	HASANUDDIN 大学政治経済学部	同上		Part-time C/P	
5	Mr. Soedjatmiko	同上	93.04.16	政治経済	HASANUDDIN 大学 社会学博士課程	同上		Part-time C/P	
6	Mr. Putri B. Arsana	州議会副議長		農業土木	BANDUNG 技術専門学校	同上	視察研修 (1993.7.11 - 7.24)	1993.4. 兼任	
7	Mr. Zainal Abidin	農業省省務計画局長兼 農地開発局長	91.10.03	農業経済	GAJAH MADA 大学農学部農業経済科	同上	農業経済、農業地域開発 (1992.1.15 - 2.16)	Full-time C/P	
8	Mr. Edyson Davoh	農地開発局長	91.10.03	畜産	HASANUDDIN 大学農学部畜産学科	同上	農業協同組合(1992.5.18 - 7.19)	Full-time C/P	
9	Mr. Ridwan Zakariah	南東方カウンタナー所長	92.09.07	経済	HASANUDDIN 大学経済学部	同上	地方農業行政(1993.2.21 - 3.20)	Full-time C/P	
10	Mr. Theodsius Mangape	農業省地域事務所農業計画課長	91.10.03	林業	HASANUDDIN 大学農学部林学科	業務調整		Part-time C/P	
11	Mr. Prasetyo Budi Bahardjo	農業省地域事務所評価・計画課係員	91.10.03	農学	NEED BILA 大学農学部農学科	農業基礎整備		Full-time C/P(前農業 施設設計分野C/P)	
12	Mr. Suyadi	州公共事業事務所計画課長	91.10.03	農業土木	ANNA 大学(イ)土木工学修士課程	同上	施工管理(1993.3.14 - 4.8)	Part-time C/P	
13	Mr. Yusral Tahir	農業省地域事務所農業普及研修課係員	91.10.03	農学	LAMPUNG 大学農学部農学科	施工管理		Full-time C/P 1992.12. 異動	
14	Mr. Rahman Garruhama	州公共事業事務所計画課係員	91.10.03	農業土木	AKADEMI FERIK (専門学校)	同上		Full-time C/P(前農業 施設整備分野C/P)	
15	Mr. Noci Sattu	州食作物事務所普及課受	91.10.03	農学	HASANUDDIN 大学農学部農学科	同上	野菜栽培 (1993.8.23 - 9.17:予定)	Part-time C/P 兼農業普及分野C/P	
16	Mr. Juhari	農業省地域事務所評価・計画課係員	91.10.03	農学	HALUOLLO 大学農学部農学科	特殊操作維持 管理	農業機械(1994.3. -11.:予定)	Full-time C/P	
17	Mr. Soetigno	州農業高校、校長	93.05.12	農学	SAM HOUSTON STATE 大学(米国) 教育学修士課程	同上		Full-time C/P	
18	Mr. La Ode Talibu Raafi	州食作物事務所生産課係員	93.06.19	農学	EXACT 中学校	同上		Full-time C/P	

番号	カウンタ-パート氏名	所属機関及び職位	配属年月日	専門分野	学歴	指導専門家	研修受入分野(期間)	備考
16	Mr. Syamsul Rijal	農業省地域事務所農業普及研修課長	91.08.01	農学	HASANUDDIN大学農学部農学科	智識指導	野菜栽培(1993.2.8 - 11.26)	Full-time C/P
17	Mr. Ma'ruf Jafar	州以下作物事務所普及係長	93.03.20	農学	HASANUDDIN大学農学部農学科	同上		Part-time C/P
18	Mr. Bien Bangsapadang	州食作物事務所農業普及員	92.05.01	農学	SILSOE大学(英国)農産加工修士課程	農民組織強化		Full-time C/P
19	Mr. Mappimangku	州食作物事務所農業普及員	91.10.03	農学	HALOHEO大学農学部農業経済学科	同上		Full-time C/P
20	Mr. Mansur Azis	農業省州農業情報センター所長	91.10.03	農学	HASANUDDIN大学農学部農学科	同上		Part-time C/P
21	Mr. Mustari Jalal	農業省地域事務所地域開発課係員	91.12.01	農業経済	HALOHEO大学農学部農業経済学科	農業経済(短期)	農業経済、農産物流通(1993.3.16 - 12.23;予定)	Part-time C/P
22	Mr. Easan Hurdiono	州畜産事務所家畜衛生課長	91.12.01	家畜衛生	BOGOR農科大学獣医学部	畜産開発(短期)		Part-time C/P
23	Mr. Siradjuddin	農業省地域事務所地域開発課計画科長	91.10.03	農学	GAJAH MADA 大学農学部	土壌検査(短期)		Part-time C/P
	Mr. Abdul Rias	州食作物事務所普及課係員	93.07.20	農学	SEMARANG農業専門学校			1993.6.業務 Part-time C/P

附属資料 6. インドネシア側予算措置

科目別内訳表

項目/内容	実 績 額				合 計	備 考
	1990	1991	1992	※1 1993		
1. 施設インフラ整備 1) 供与機材保安倉庫 (建物面積: 155.4㎡)		408,000			408,000	※1 計画予算
2. カンパニー経手当 1) 特別手当 2) 州内出張旅費手当			508,600 632,905	295,200 595,200	804,800 1,228,105	※2 1) 農薬省官房計画局への予算措置 2) C/P特別手当含む
3. 機器材・備品購入、維持管理 1) 燃料油消費費、車輦登録料			1,129,505	1,020,000	2,149,505	
4. 中堅技術者養成対策事業			312,260	1,340,700	1,652,960	
5. 事務用消耗品			227,500	126,000	353,500	
6. 展示圃場運営費			243,750	120,600	363,750	
7. 普及広報費、会議費			474,500	192,000	666,500	
8. 事務経費			299,000	1,380,000	1,679,000	
小 計	0	408,000	3,829,020	5,069,100	9,304,120	
1. 施設インフラ整備 1) アドヴェクト事務所建設 (敷地面積: 1,861.9㎡、建物面積: 157.3㎡) 事務所備品(机、椅子、XJY等)含む ※3	5,870,560				5,870,560	
2) ハラカキヤフ建設 (建物面積: 63㎡) 井戸掘削等含む	1,254,000				1,254,000	※3 1992年度執行
3) 会議室増築(アドヴェクト事務所) (建物面積: 36㎡) 電気容量増量工事含む			674,375		674,375	
4) 暗渠敷設(ハラカキ)、2ヶ所				178,677	178,677	
5) 井戸掘削工事(ハラカキ)、1ヶ所				178,677	178,677	
2. カンパニー経手当 1) 特別手当 2) 州内出張旅費手当 3) C/P日本研修員往復旅費手当	206,400 1,361,600	495,600 1,160,600	97,500	108,000 913,800 304,200	907,500 3,436,000 304,200	
3. 機器材・備品購入、維持管理費 1) 燃料油消費費、車輦登録料 ※4 2) アドヴェクト事務所機器材・備品 ※5 3) ハラカキヤフ機器材・備品				216,000	216,000	※4 1992年度執行 ※5 1992年度執行
4. アドヴェクト事務所管理費 1) 光熱費、電気料金、夜警備人費		403,200	574,000	576,000	1,553,800	
5. 中堅技術者養成対策事業				572,046	572,046	
6. 家畜市場、肥育展示場運営費				450,300	450,300	
7. 報告費、会議費、消耗品				537,300	537,300	
8. 展示圃場運営費 (除く落産)				465,000	465,000	
9. その他 1) 土地利用現状図作成費 アドヴェクト対象町村 縮小: 1/7000			5,200,000		5,200,000	
小 計	9,531,760	2,059,400	6,546,475	4,500,000	22,637,635	
合 計	9,531,760	2,467,400	10,375,495	9,569,100	31,943,755	

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