

works.

2. Report for the agricultural potential study

2.1 Inception Report:

Twenty (20) copies at the commencement of the agricultural potential study

2.2 Progress Report (I):

Twenty (20) copies at the end of the first field work of the agricultural potential study in rainy season.

2.3 Progress Report (II):

Twenty (20) copies at the end of the second field work of the agricultural study in dry season.

2.4 Draft Final Report:

Twenty (20) copies at the end of the home office work of the agricultural potential study.

GOP is requested to give comments on the draft final report within one (1) month after receiving them.

2.5 Final Report:

Fifty (50) copies within two (2) months after receiving the comments on the Draft Final Report.

VII. Undertaking of GOP

In accordance with the Notes Verbales exchanged between GOJ and GOP, GOP shall accord privileges, immunities and other benefits to the Japanese study team and through the authorities concerned, take necessary measures to facilitate

smooth implementation of the Study.

1. GOP shall be responsible for dealing with claims which may be brought by third parties against the members of the Japanese study team and shall hold them harmless in respect of claims or liabilities arising in the course of, or otherwise connected with the discharge of their duties in the implementation of the Study, except when such claims or liabilities arise from gross negligence or willful misconduct of the above-mentioned members.

2. DAR shall, at its own expense, provide the Japanese study team with the following, if necessary in cooperation with other agencies concerned:

- (1) Available data and information related to the Study
- (2) Counterpart personnel
- (3) Suitable office space with necessary equipment both in Metro Manila and in the project site.
- (4) Credentials or identification cards to the members of the Japanese study team.

3. DAR shall make necessary arrangements with other governmental and non-governmental organizations concerned for the following:

- (1) To secure the safety of the Japanese study team.
- (2) To permit the members of the Japanese study team to enter, leave and sojourn in the Philippines for the duration of their assignment therein, and

*JMN*  
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exempt them from alien registration requirements and consular fees.

- (3) To exempt the members of the Japanese study team from taxes, duties and any other charges on equipments, machinery and other materials brought into the Philippines for the implementation of the Study.
- (4) To exempt the members of the Japanese study team from income tax and other charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Japanese study team for their services in connection with the implementation of the Study.
- (5) To provide necessary facilities to the Japanese study team for remittance as well as utilization of the funds introduced into the Philippines from Japan in connection with the implementation of the Study.
- (6) To secure permission for entry into private properties or restricted areas for the implementation of the Study.
- (7) To secure permission for the Japanese study team to take all data and documents (including photographs and maps) related to the Study out of the Philippines to Japan.

*JIN*  
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- (8) To provide medical services as needed. Its expenses will be chargeable on the members of the Japanese study team.

VIII. Undertaking of GOJ

In accordance with the Notes Verbales exchanged between GOJ and GOP, through JICA, shall take the following measures for the implementation of the study:

1. To dispatch, at its own expense, the Japanese study team to the Philippines.
2. To pursue technology transfer to the Philippine Counterpart.
3. To provide necessary equipment for the implementation of the Study, which will remain the property of JICA unless otherwise agreed.

IX. Consultation

JICA and DAR shall consult with each other in respect of any matter that may arise from or in connection with the Study.

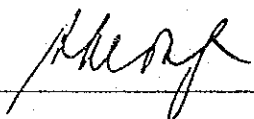
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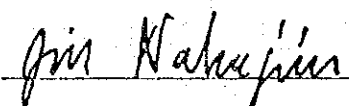
mapping/proj.dev3



MINUTES OF MEETING  
FOR  
MAPPING AND AGRICULTURAL POTENTIAL STUDY  
FOR  
THE INTEGRATED RURAL DEVELOPMENT PROGRAM  
IN PAMPANGA  
IN  
THE REPUBLIC OF THE PHILIPPINES

AGREED BETWEEN  
THE JAPAN INTERNATIONAL COOPERATION AGENCY  
AND  
DEPARTMENT OF AGRARIAN REFORM

  
\_\_\_\_\_  
Mr. Benjamin T. Leong  
Secretary  
Department of Agrarian Reform

  
\_\_\_\_\_  
Mr. Jiro Nakajima  
Team Leader  
Preliminary Survey Team  
Japan International  
Cooperation Agency

August 31, 1990

Manila Philippines

The preliminary survey team headed by Mr. Jiro Nakajima (hereinafter referred to as "the team") was dispatched by JICA during the period of August 26 to September 1, 1990 for Mapping and Agricultural Potential Study for the Integrated Rural Development Program in Pampanga.

The team and the officials of the Department of Agrarian Reform (hereinafter referred to as "DAR") and other authorities concerned had a series of discussions and agreed on the implementing Arrangement (hereinafter referred to as "I/A") on August 31, 1990.

The salient results of the discussions are as follows:

1. With regard to Survey Area (III of I/A)

A tentative map is attached herewith to show roughly the survey area for mapping and for the agricultural potential study.

2. DAR requested that the municipalities of Floridablanca and Magalang be included in the areas to be covered by the Agricultural Potential Study since these are priority areas in CARP implementation in Pampanga. The team expressed that the Agricultural Potential Study will be undertaken taking into consideration the request of DAR.

3. With regard to the Study Schedule (V of I/A)

DAR requested that the period of mapping works and the agricultural potential study should be shortened to about 12-16 months. The team expressed that the period can only be shortened from the originally-suggested 23 months to 21 months. DAR and the mission agreed in principle to reduce the duration of the study to 21 months period. However, DAR reiterated its request to further shorten the 21 months period to 15 months in view of the effort of the Philippine Government to reconstruct the Central Luzon area which suffered great damages from the July 16 earthquake which hit the country. The team expressed that they shall convey DAR's request to the authorities in Tokyo.

The Government of the Philippines (GOP) requested that JICA should provide the following output as a result of mapping works:

- JNA*  
*mu*
- a. Negative films (original and duplicate)  
(The duplicate will be submitted to DAR at the end of aerial photograph activity)
  - b. Contact print (one set)
  - c. Original Topo Maps (reproducible)
  - d. Second original (duplicate) Topo Maps, and

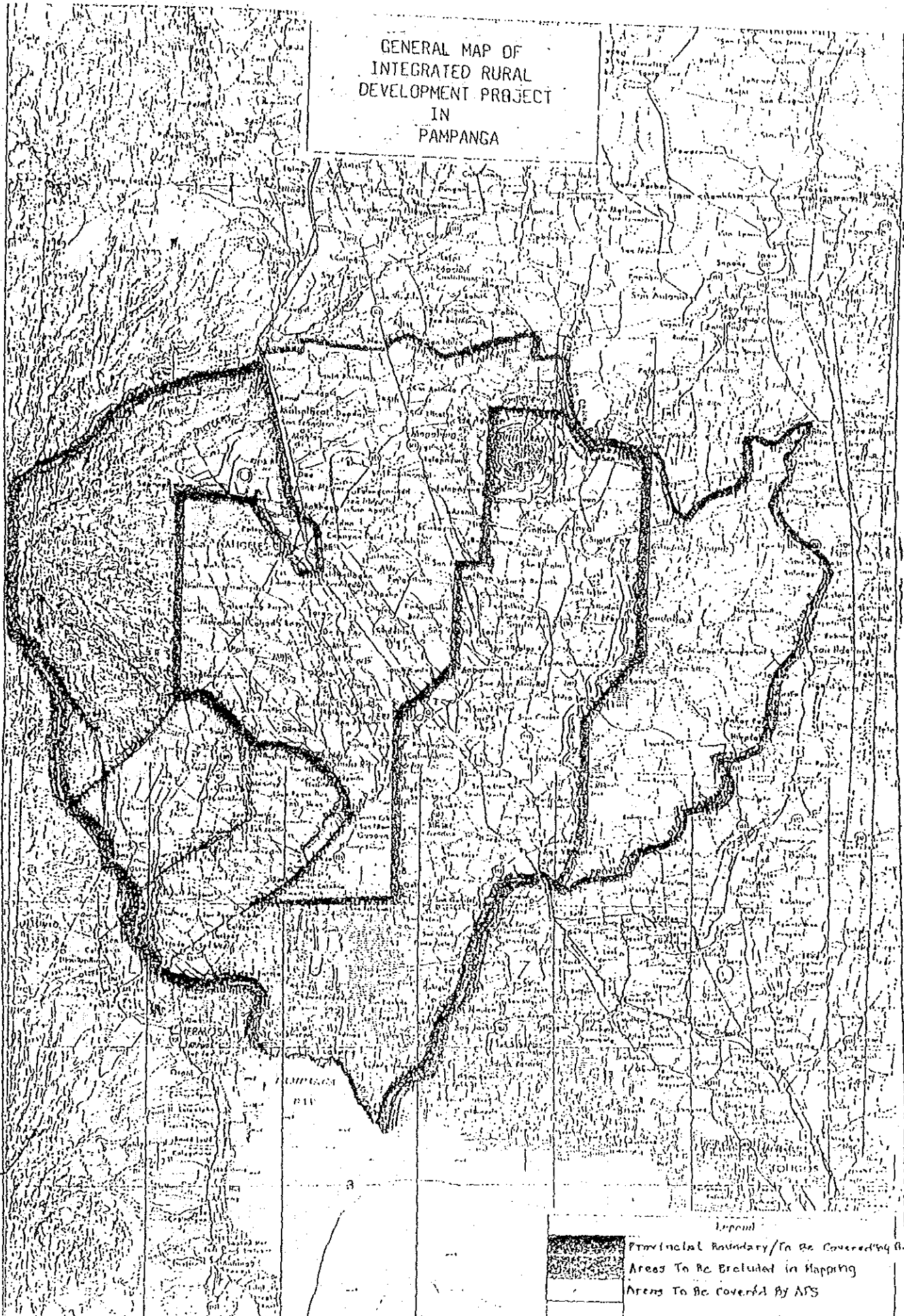
- e. Two sets of blue print copies of the topo map
5. The GOP suggested that the same coordinate system as in the existing maps be used in the preparation of 1:4,000 maps.
6. With regard to Undertaking of GOP (VII Item 2 of I/A)  
DAR requested that vehicles necessary for mapping works and the agricultural potential study may be provided by JICA
7. With regard to VII 2 (1) of I/A  
The team requested that DAR should take necessary measures to facilitate the Japanese study members to access information such as soil test results.
8. DAR requested that a training in Japan for a counterpart be provided by JICA.

minutes.mtg/projdev3

*John  
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GENERAL MAP OF  
INTEGRATED RURAL  
DEVELOPMENT PROJECT  
IN  
PAMPANGA



Legend

	Provincial Boundary/To be Covered by I.D.
	Areas To be Excluded in Mapping
	Areas To be Covered by ASS

LIST OF REPRESENTATIVES  
 Meeting on the Implementing Arrangement for the Central  
 Luzon Integrated Rural Development Project  
 OSEC Conference Room  
 29 August 1990  
 10:00 a.m.

AGENCY/NAME	DESIGNATION
<u>Department of Agrarian Reform (DAR)</u>	
1. Mr. Virgilio E. Cabezon	Assistant Secretary Planning and Project Management
2. Ms. Teresa Ayson Jumat	Assistant Secretary Support Services Office
3. Mr. Eduardo G. Santiago	Provincial Agrarian Reform Officer Pampanga Province
4. Mr. Jose Macalindong	Officer-in-Charge Office of the Director Bureau of Land Development
5. Ms. Ma. Isabel L. Perez	Director Project Management Service
6. Mr. Renato Herrera	Provincial Agrarian Reform Support Services Officer Pampanga Province
7. Mr. Rey Bernardo	Consultant Office of the Undersecretary for Support Services
8. Ms. Perla E. Gunzon	Supervising Agrarian Reform Program Officer Luzon Field Operation Group
9. Ms. Erlinda B. Jawali	Bureau of Land Acquisition and Development
<u>National Mapping and Resource Information Authority (NAMRIA)</u>	
1. Ms. Francesca Dayrit	Director - Planning

*Handwritten signature/initials*

2. Mr. Jose Galo Isada, Director  
Mapping and Reproduction  
Department
3. Mr. John Tayanan

National Irrigation Administration (NIA)

1. Mr. Isidro R. Digos Director  
PDD
2. Mr. Abellardo Y. Armentia Head  
FS and Environmental Section
3. Mr. Faustino M. Galit Head  
Surveys and Mapping

JICA Preliminary Survey Team

1. Mr. Jiro Nakajima Team Leader
2. Mr. Keraji Keto Team Member
3. Mr. Hitoshi Saito Team Member
4. Mr. Naoyuki Kobayashi Team Member

JICA Office

1. Mr. Fumio Kikuchi Assistant Representative
2. Mr. Toshio Hirodo DAR Consultant

*J.N*  
*W*

name.lst/projcdex3

MINUTES OF MEETING  
ON  
THE INCEPTION REPORT  
FOR  
MAPPING AND AGRICULTURAL POTENTIAL STUDY FOR  
THE INTEGRATED RURAL DEVELOPMENT PROGRAM  
IN PAMPANGA

1. Date, Time and Place : July 26, 1991      14 : 00 to 15 : 00 p.m.  
DAR Support Services Office  
Quezon City, Metro Manila  
July 27, 1991      15 : 00 to 16 : 00 p.m.  
DAR Pampanga Provincial Office  
San Fernando, Pampanga
2. Attendants : See Attachment-I

3. SUMMARY OF DISCUSSIONS

The twenty (20) copies of the Inception Report for Mapping and Agricultural Potential Study for the Integrated Rural Development Program in Pampanga were submitted to the Department of Agrarian Reform (DAR) on the 26th of July, 1991. The meeting was held on the 26th and 27th of July at the DAR Support services Office, Quezon City and the DAR Pampanga Provincial Office respectively. Both meetings were presided by Ms. Ma Teresa Ayson-Jumat, Assistant Secretary for DAR Support Services Office. At the 26th meeting, the contents of the Inception Report were explained by Mr. Takayoshi Yamazaki, the Leader of the JICA Study Team and the various discussions were made. The Philippine side accepted the Inception Report basically, while both sides agreed that the demarcation of study area will be discussed on the 27th after the area investigation affected by the eruption of Mt. Pinatubo and mudflows on the rivers, i.e. the Abacan, Porac, Gumain Rivers.

Both sides confirmed the following matter through the discussions during both meetings :

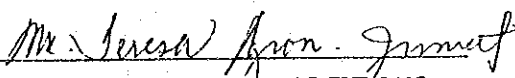
- (1) The Inception Report was fully accepted by the Philippine side without any serious comments.

- (2) The study area was demarcated at the following 14 municipalities in Pampanga Province taking into consideration the security of field survey and changeable natural environment and topography :

Apalit	Arayat	Bacolor	Candaba	Guagua
Magalang	Mexico	Minalin	San Fernando	San Luis
San Simon	Sta. Ana	Sta. Rita	Sto. Tomas	

The serious mudflow damages at some municipalities, i.e. Bacolor, Guagua, Sta. Rita is anticipated, hence some of these municipalities could be excluded from the study area on the basis of further study findings and discussions between both sides.

- (3) The Philippine side requested that the possibility of an earlier submission of the Draft Final Report before than August, 1992. The Japanese side explained that the study schedule in 1992 was based on the fiscal budget arrangement and coordination with the mapping works and there were difficulties to shorten the study schedule. However Japanese side expressed that the above request shall be conveyed to the authorities in Tokyo.
- (4) The study team confirmed that the assignment of counterpart personnel as shown in the Attachment-II and arrangement of office spaces at Support Services Office, Quezon City and DAR Provincial office, San Fernando.

  
MA. TERESA AYSON-JUMAT  
Assistant Secretary for  
Support Services (SSO)  
Department of Agrarian Reform (DAR)

  
TAKAYOSHI YAMAZAKI  
Team Leader  
Study Team of Japan International  
Cooperation Agency (JICA)

LIST OF ATTENDEESDepartment of Agrarian Reform (DAR)

Ma. Teresa Ayson-Jumat	Assistant Secretary, Support Services Office (SSO)
Vicente Jimenez	Provincial Agrarian Reform Officer, Pampanga
Renato F. Herrera	Provincial Agrarian Reform Support Service Officer Pampanga
Rodolfo S. Pangilinan	Chief, Agrarian Reform Program Officer, Reg. III
Narciso B. Nieto	Chief, Agrarian Reform Program Officer, Pampanga
Hoover Canlas	Chief, Agrarian Reform Program Officer, Pampanga
Ver M., Gomez	Supervising Agrarian Reform Program Officer, Pampanga
Ma. Malena Vasquez	Representing Maribel Perez, Director for Project Management Staff
Marilen P. Tomelden	Supervising Agrarian Reform Program Officer
Toshio Hirodo	JICA Colombo Plan Expert, PPO, DAR

JICA Advisory Team

Shizuo Hiroshige	JICA Headquarter, Tokyo
------------------	-------------------------

JICA Study Team

Takayoshi Yamazaki	Team Leader
Nobuyuki Nagano	Hydrology and Meteorology
Yuichi Fukasaka	Agro-economy / Project Evaluation

(4)

LIST OF COUNTERPART PERSONNELDAR Central Office

Chief Counterpart

Ma. Teresa Ayson-Jumat, Assistant Secretary,  
Support Services Office (SSO)

Agriculture

Cristina C. Dagdag, SSO

Irrigation &amp; Drainage

Fernando R. Sioson, SSO

Hydrology &amp; Meteorology

Rowena Dimaculangan, Land Capability Division

Agro-economy/Project Evaluation

Carlos Abad Santos, SSO

Soil &amp; Land Use

Erning Vigilia, Land Consolidation Division  
Rodolfo Oriente, Land Consolidation DivisionPampanga Provincial Office

Chief Counterpart

Renato F. Herrera, Provincial Agrarian Reform  
Support Service Officer Pampanga

Agriculture

Armando Magtoto Jr., Provincial Agrarian Reform  
Office

Irrigation &amp; Drainage

Audy Francisco Paras, Provincial Agrarian Reform  
Office

Hydrology &amp; Meteorology

NIA Technical Representative

Agro-economy/Project Evaluation

Marissa Nagum, Provincial Agrarian Reform Office

Soil &amp; Land Use

DA Technical Representative

(14)

MINUTES OF MEETING  
ON  
THE PROGRESS REPORT (I)  
FOR  
MAPPING AND AGRICULTURAL POTENTIAL STUDY FOR  
THE INTEGRATED RURAL DEVELOPMENT PROGRAM  
IN PAMPANGA

1. Date, Time and Place : November 4, 1991 9:45 to 11:15 a.m.  
DAR Support Services Office  
Quezon City, Metro Manila
2. Attendants : See Attachment Sheet

3. SUMMARY OF DISCUSSIONS

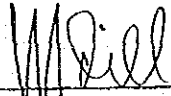
The twenty (20) copies of the Progress Report (I) on Mapping and Agricultural Potential Study for the Integrated Rural Development Program in Pampanga were submitted to the Department of Agrarian Reform (DAR) on the 11th of October, 1991. The meeting was held on the 4th of November at the DAR Support Services Office, Quezon City. The meeting was presided by Mr. Renato B. Padilla, Undersecretary for DAR Support Services and Field Operations. At the meeting, the contents of the Progress Report (I) and selected project areas were explained by Mr. Takayoshi Yamazaki, the Leader of the JICA Study Team and the various discussions were made. The Philippine side basically accepted the contents of Progress Report (I) and the result of priority area selection.

Both sides confirmed the following matters through the discussions during the meeting :

- (1) The Progress Report (I) was fully accepted by the Philippine side without any serious comments.
- (2) Two priority areas were selected as follows :

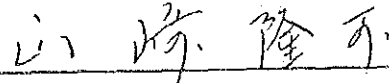


- 1) Sta. Ana and Mexico Area consists of the following three (3) Communal Irrigation Systems and one (1) Communal Irrigation Project :
  - San Pablo Communal Irrigation System (Sta. Ana, San Pablo)
  - San Pablo Central Communal Irrigation Project (Sta. Ana, San Pablo)
  - San Roque Communal Irrigation System (Sta. Ana, San Roque)
  - Anao Communal Irrigation System (Mexico, Anao)
  
- 2) Maria Sinukuan Agricultural Cooperative Settlement Area in Ayala, Magalang.



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RENATO B. PADILLA  
Undersecretary  
Support Services and Field Operations  
Department of Agrarian Reform (DAR)



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TAKAYOSHI YAMAZAKI  
Team Leader  
Study Team of Japan International  
Cooperation Agency (JICA)

LIST OF ATTENDEESDepartment of Agrarian Reform (DAR)

Renato B. Padilla	Undersecretary, Support Services and Field Operation
Severino T. Madronio	Assistant Secretary, Support Services and Field Operation
Engracia Valencia	Chief Counterpart
Miguel Y. Puzon	Director III
Emma C. Canlas	Chief Agrarian Reform Program Officer
Virgilio M. Gomez	Supervising Agrarian Reform Program Officer
Cristina C. Dagdag	Agrarian Reform Program Officer II
Fernando R. Sioson	Supervising Agrarian Reform Program Officer
Carlos Abad Santos	Supervising Agrarian Reform Program Officer
Marilen Tomelden	Supervising Agrarian Reform Program Officer

IICA Study Team

Takayoshi Yamazaki	Team Leader/Rural Development
Akio Maeda	Agriculture
Kuninobu Noda	Irrigation and Drainage
Nobuyuki Nagano	Meteorology and Hydrology
Yuichi Fukasaka	Agro-Economy and Project Evaluation
Tetsunari Gejo	Soil and Land Use

MINUTES OF MEETING  
ON  
THE PROGRESS REPORT (II)  
FOR  
MAPPING AND AGRICULTURAL POTENTIAL STUDY FOR  
THE INTEGRATED RURAL DEVELOPMENT PROGRAM  
IN PAMPANGA

1. Date, Time and Place : December 4, 1991 1:30 to 3:30 p.m.  
DAR Support Services Office  
Quezon City, Metro Manila
2. Attendants : See Attachment Sheet

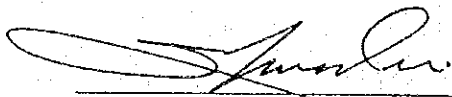
3. SUMMARY OF DISCUSSIONS

The twenty (20) copies of the Progress Report (II) on Mapping and Agricultural Potential Study for the Integrated Rural Development Program in Pampanga were submitted to the Department of Agrarian Reform (DAR) on the 2nd of December, 1991. The meeting was held on the 4th of December at the DAR Support Services Office, Quezon City. The meeting was presided by Mr. Severino T. Madronio, Assistant Secretary for DAR Support Services and Field Operations. At the meeting, the contents of the Progress Report (II) and selected project areas were explained by Mr. Akio Maeda, one of the member of the JICA Study Team. Discussions and comments on the report were made. The Philippine side basically accepted the contents of Progress Report (II) and the preliminary selection of project components.

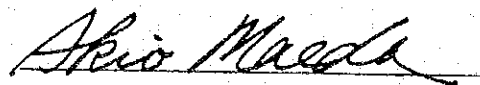
Both sides confirmed the following matters through the discussions during the meeting :

- (1) The Progress Report (II) was fully accepted by the Philippine side without any serious comments.

- (2) The project component as shown in Progress Report (II) were primarily selected at Magalang Settlement Project and Mexico and Sta. Ana Project. Further study shall be done in Japan.



SEVERINO T. MADRONIO  
Assistant Secretary  
Support Services and Field Operations  
Department of Agrarian Reform (DAR)



for: TAKAYOSHI YAMAZAKI  
Team Leader  
Study Team of Japan International  
Cooperation Agency (JICA)

LIST OF ATTENDEESDepartment of Agrarian Reform (DAR)

Severino T. Madronio	Assistant Secretary, Support Services and Field Operation
Antonio Nuesa	Regional Director
Engracia Valencia	Chief Counterpart
Emma C. Canlas	Chief Agrarian Reform Program Officer
Cristina C. Dagdag	Agrarian Reform Program Officer II
Fernando R. Sioson	Supervising Agrarian Reform Program Officer
Carlos Abad Santos	Supervising Agrarian Reform Program Officer
Marilen Tomelden	Supervising Agrarian Reform Program Officer
Dennis Bautista	Supervising Agrarian Reform Program Officer
Imelda G. Lamboon	Agrarian Reform Program Officer II
Mylene Serna	Supervising Agrarian Reform Program Officer
Ricardo Bamero	Chief - PMO - DPWH
Roger Rotoni	Project Manager - NIA CARP

JICA Study Team

Akio Maeda	Agriculture
Kuninobu Noda	Irrigation and Drainage
Yuichi Fukasaka	Agro-Economy and Project Evaluation
Tetsunari Gejo	Soil and Land Use
Toshio Hirodo	In-House Consultant (JICA)

MINUTES OF MEETING  
ON  
THE DRAFT FINAL REPORT  
FOR  
MAPPING AND AGRICULTURAL POTENTIAL STUDY FOR  
THE INTEGRATED RURAL DEVELOPMENT PROGRAM  
IN PAMPANGA

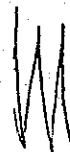
1. Date, Time and Place : August 11, 1992  
10:00 A.M. to 12:00 NN.  
Conference Room, Finance, Management & Administration Office  
DAR Central Office  
Quezon City, Metro Manila
2. Attendees : See Attachment - 1

3. SUMMARY OF DISCUSSIONS

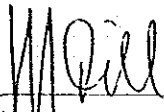
Twenty (20) copies of the Draft Final Report of the Mapping and Agricultural Potential Study for the Integrated Rural Development Program in Pampanga were submitted to the Department of Agrarian Reform (DAR) prior to the meeting. The meeting was held on the 11th of August, 1992 at the FMAO Conference Room, DAR Central Office, Quezon City. The meeting was presided by Mr. Renato B. Padilla, Undersecretary for DAR Support Services and Field Operations. At the meeting, the contents of the Draft Final Report were explained by Mr. Takayoshi Yamazaki, the Leader of the JICA Study Team and the various discussions were made. The Philippine side basically accepted the contents of the Draft Final Report.

The salient results of the discussions are as follows: :

- (1) The Philippine Side has expressed their intention to request the Government of Japan to proceed with the Feasibility Study stage of the Magalang Settlement Project. The study would include: a) hydrological and geological investigations, b) institutional development component such as dissemination of installed technologies and improvement of existing training facilities, and c) refinement of cost estimation to improve economic internal rate of return;



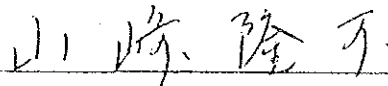
- (2) As regard the Mexico-Sta. Ana Project, the DAR will have to consult first with the Philippine Institute of Volcanology and Seismology to determine whether or not the sites are within the projected lahar hazard zone;
- (3) Additional comments of the Philippine Side will be submitted to JICA within two (2) weeks of this meeting. The Japanese Side would prepare the Final Report taking the comments into consideration within two (2) months after its submission.



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RENATO B. PADILLA  
Undersecretary

Support Services & Field Operations  
Department of Agrarian Reform  
(DAR)



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TAKAYOSHI YAMAZAKI  
Team Leader

Study Team of Japan International  
Cooperation Agency  
(JICA)

DRAFT FINAL REPORT  
FOR MAPPING AND AGRICULTURAL POTENTIAL STUDY FOR  
THE INTEGRATED RURAL DEVELOPMENT PROGRAM  
IN PAMPANGA

DATE, TIME & PLACE : 11 August 1992, 10:00 A.M. -12:00 NN.  
FMAO Conference Room, DAR Central Office  
Elliptical Road, Diliman, Quezon City

LIST OF ATTENDEES

Department of Agrarian Reform

RENATO B. PADILLA	Undersecretary for Field Operations & Support Services
SEVERINO T. MADRONIO	Asst. Secretary for Field Operations & Support Services
VIRGILIO E. CABEZON	Asst. Secretary for Planning and Policy
ENGRACIA M. VALENCIA	Director, Bureau of Agrarian Reform Information and Education (BARIE)
MARIBEL L. PEREZ	Director, Project Management Service (PMS)
NIGUEL Y. PUZON	Director, Planning Service
ANTONIO M. NUESA	Regional Director, Region III
RENATO F. HERRERA	Provincial Agrarian Reform Support Services Officer
VIRGILIO GOMEZ	Supervising Agrarian Reform Program Officer, Pampanga Province
TOMAS A. CABUENOS	Chief Agrarian Reform Program Officer, Bureau of Agrarian Reform Beneficiaries Development
CARLOS O. ABAD SANTOS	Supervising Agrarian Reform Program Officer, SSO
FERNANDO R. SIOSON	Supervising Agrarian Reform Program Officer, SSO
MARILEN P. TUMELDEN	Supervising Agrarian Reform Program Officer, SSO
MA. CELERINA G. AFABLE	Project Development Officer V, PMS
TOMASA V. MINA	Chief Agrarian Reform Program Officer, BARIE
EMMA C. CANLAS	Chief Agrarian Reform Program Officer, SSO
MA. TERESA A. BAUL	Supervising Agrarian Reform Program Officer, SSO
MASAHIRO YAGI	JICA Expert, DAR

Line Agencies

ROGELIO M. ROTONI	CARP Coordinator, National Irrigation Administration
RICARDO BARNERO	CARP Coordinator, Department of Public Works and Highways (DPWH)
CONSTANTE A. LLANES JR.	CARP Project Officer, DPWH

JICA Makati

KATSUMI YOSHIDA	Asst. Resident Representative
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JICA Advisory Team

SHIZUO HIROSHIGE	JICA Headquarters, Tokyo
------------------	--------------------------

JICA Study Team

TAKAYOSHI YAMAZAKI	Team Leader
KUHINGORU HODA	Irrigation and Drainage
YUICHI FUKASAKA	Agro-economy/Project Evaluation





