

(業務参考資料)

農林水産開発調査における

Minutes of Meeting 集

(1992年4月~1994年2月)

平成6年3月

国際協力事業団
農林水産開発調査部

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(業務参考資料)

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国際協力事業団
農林水産開発調査部

序 文

この度、執務参考資料として、平成4年度及び平成5年度に署名した農林水産開発調査部担当の開発調査案件の調査実施細則 (Scope of Work)及び議事録 (Minutes of Meeting)を取りまとめ、「農林水産開発調査における Scope of Work集」(S/W & M/M)並びに「農林水産開発調査におけるMinutes of Meeting集」を作成しました。

本資料は、当部の実績の整理並びに今後の農林水産分野の開発調査の実施細則及び議事録の作成の参考とするために取りまとめたものです。部内での活用はもとより、その他関係機関等においても、今後の業務の参考となれば幸いです。

平成6年3月

国際協力事業団

農林水産開発調査部

部長 小笠原 莊一

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2		カンボディア	ブノンベン周辺地域農村総合開発計画 IC/R PR/R(I)	9
3		中 国	遼寧省遼河三角州農業資源総合開発計画 PR/R(II)	1 8
4		〃	湘西南支山脈地区農牧畜業総合開発計画 DF/R	2 2
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6		〃	黒龍江省国营農場典型区農業総合開発計画 IC/R	4 1
7		インドネシア	小規模灌漑施設整備計画 DF/R	4 5
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11		ラ オ ス	サバナケート県農業開発計画 DF/R	6 3
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20		〃	農業協同組合組織強化計画 IC/R PR/R(I) PR/R(II) DF/R	1 2 6
21		〃	パラワン南部農地開発計画 IC/R	1 4 1
22		スリ・ランカ	ワラウェ農業開発計画 IT/R PR/R(II) DF/R	1 4 6
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NO.	地域	国名	案件名	頁
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7	大洋州	ソロモン諸島国	全国水産物流通網改善計画 IC/R IT/R	339

(凡例) M/M : MINUTES OF MEETING

C/M : CONTACT MISSION

IC/R : INCEPTION REPORT

IT/R : INTERIM REPORT

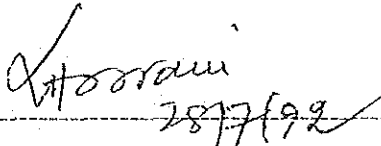
PR/R : PROGRESS REPORT

DF/R : DRAFT FINAL REPORT

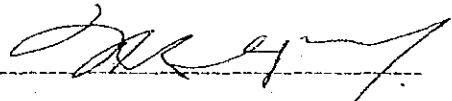
農業開発調査案件

MINUTES OF MEETING
FOR
INTERIM REPORT
OF
FEASIBILITY STUDY
ON
THE KURIGRAM IRRIGATION AND FLOOD CONTROL PROJECT
- SOUTH UNIT -

July 28, 1992
Dhaka, Bangladesh



MR. LIAQUAT HOSSAIN
CHIEF ENGINEER (PLANNING)
BANGLADESH WATER DEVELOPMENT
BOARD (BWDB)



MR. HIROSHI YAMAMOTO
LEADER, JICA STUDY TEAM



WITNESS: DR. SHOICHIRO NAKAGAWA
CHAIRMAN OF JICA ADVISORY COMMITTEE

1. Date and Time: July 27, 1992, 1:00 p.m. - 3:00 p.m.
2. Place: Conference Room of BWDB
3. Attendants: see attached list
4. Summary of Discussions:

The JICA Study Team submitted 20 copies of the Interim Report to BWDB on July 19, 1992. The discussion meeting on the Interim Report was held at the BWDB Conference room on July 27, 1992, at the presence of the Chairman of the JICA Advisory Committee and the representatives from the concerned agencies. The meeting was presided by Mr. Liaquat Hossain, Chief Engineer, Planning, BWDB. At the request from the Chairman, Mr. H. Yamamoto, leader of the JICA Study Team, explained the outline of the Interim Report to the attendants. After the presentation of Mr. Yamamoto, various discussions were made and the following were confirmed through the discussions:

- (1) The Interim Report is well-focussed, and approaches and recommendations described are agreed with the national water development policies and on-going FAP studies. The Report was therefore appreciated and accepted by BWDB.
- (2) BWDB agreed to the proposed development plan (Alternative-9: Irrigation Regulator with LLP and Tubewell development). The JICA Study Team would execute the further survey and studies on the selected plan at the mutual consent under Phase-II.
- (3) In the comparative study, the available surface water is limited to 60% of the 1/10 dependable drought discharge (30 m³/sec) in accordance with the general guideline given by NWP, resulting in the limited irrigable area of 20,640 ha. Further possibility to expand the surface irrigation area still remain if the extraction rate can be increased. The JICA Study Team would seek this possibility under Phase-II in consultation with WARPO (formerly MPO).
- (4) The groundwater potential should be exploited within its rechargeable amount mainly in the areas where surface irrigation system would not benefit. Since more than thousand of STWs are presently operated, their potential should not be ignored in the groundwater development plan.
- (5) The proposed FCD/I project would also benefit the inland fishery sector. The benefits from inland fishery should be incorporated in the overall analysis of the Project.

Liaquat Hossain
28/7/92

- (6) The representative from LGEB pointed out that the rural infrastructures such as roads, bridges and growth centers should be studied as one of the possible project components. The Study Team said that only roads and bridges would be considered as the project component to the extent that land acquisition is minimized, and other infrastructure such as growth center would not be included in the project component, though it will be studied.
- (7) The JICA Study Team observed during the field reconnaissance that the existing embankment at Kishorpur was eroded out and the Kishorpur groyne is in state of danger by the recent floods of the Teesta river. BWDB said that urgent measures for the damaged facilities would be undertaken, and therefore no additional study would be required for rehabilitation of these facilities.
- (8) Institutional framework for the implementation of the project as well as the operation and maintenance should be studied under the Phase-II. The required agricultural support services should also be indicated in the forthcoming reports.
- (9) Public consultation survey will be carried out by JICA Study Team. Questionnaires for this survey will be jointly finalized by BWDB and JICA Study Team.
- (10) The Chairman summed up the discussion with many thanks and with the request to the JICA Study Team that bilateral discussions with relevant agencies would be made during Phase-II field work to resolve the above and other issues raised in the meeting.

Chairman
28/7/92

LIST OF ATTENDANTS

Bangladesh Water Development Board (BWDB)

- | | | |
|------|---------------------|---|
| (1) | Liaquat Hossain | Chief Engineer, Planning |
| (2) | S.A.M. Rafiquzzaman | Director, Planning (general), BWDB |
| (3) | Md. Y. Haroon | Executive Engineer, Planning (general) |
| (4) | Md. Akhtar Alam | Executive Engineer, FPCO, Dhaka |
| (5) | Azizul Haque | Chief Agronomist, WARPO (MPO), Dhaka |
| (6) | Md. Munsif Ali | Agronomist, Land and Water Use, BWDB |
| (7) | Md. Amzad Hossain | Dy. Director, IMED, M/O Planning |
| (8) | Md. Moksed Alam | Senior Technical Design Specialist, LGEB |
| (9) | Saroj Kumar Sarkar | Executive Engineer-I, LGEB |
| (10) | Ashraf Ali Khandker | Soil Scientist, Planning (General), BWDB |
| (11) | Md. Minarul Islam | Soil Survey Officer, Planning (General), BWDB |
| (12) | Md. Sanaullah | SDE., Planning (General), BWDB |

Japan International Cooperation Agency (JICA Advisory Committee)

- | | | |
|-----|-------------|-------------------------------------|
| (1) | S. Nakagawa | Chairman of JICA Advisory Committee |
| (2) | A. Shimizu | JICA Headquarters, Tokyo |

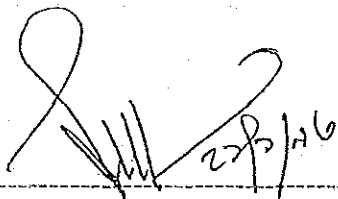
JICA Study Team

- | | | |
|-----|------------------|---------------------------------------|
| (1) | H. Yamamoto | Team Leader / Irrigation and drainage |
| (2) | N. Ariga | Agro-economy / Institutional Planning |
| (3) | N. Morioka | Agriculture / Soil and Land Use |
| (4) | F. Tamura | Facility Plan |
| (5) | K. Tsumura | Topographic Survey |
| (6) | T. Fukuda | River Planning |
| (7) | K. B. S. Rasheed | Environmental Assessment |
| (8) | M. A. L. Sarker | Inland Fishery |

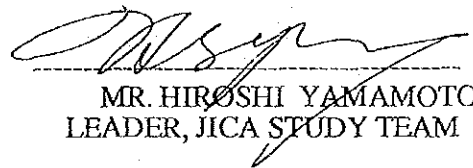
Liaquat Hossain
28/7/92

MINUTES OF MEETING
FOR
DRAFT FINAL REPORT
OF
FEASIBILITY STUDY
ON
THE KURIGRAM IRRIGATION AND FLOOD CONTROL PROJECT
- SOUTH UNIT -

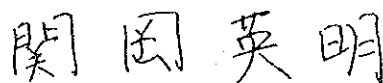
January 20, 1993
Dhaka, Bangladesh



MR. A.K.M. ANISUR RAHMAN
SUPERINTENDING ENGINEER
TEESTA PROJECT CANAL CIRCLE - II
BANGLADESH WATER DEVELOPMENT
BOARD (BWDB)



MR. HIROSHI YAMAMOTO
LEADER, JICA STUDY TEAM



WITNESS: MR. HIDEAKI SEKIOKA
LEADER, JICA ADVISORY COMMITTEE


1. Date and Time: January 20, 1992, 12:30 - 14:30 p.m.
2. Place: Conference Room of BWDB (Room 301)
3. Attendants: see attached list
4. Summary of Discussions:

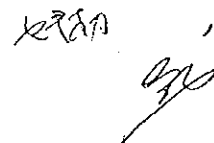
The JICA Study Team submitted 25 copies of the Draft final Report to BWDB through the JICA Bangladesh Office in mid January, 1993. The discussion meeting on the Draft Final Report was held at the BWDB Conference room on January 20, 1993, at the presence of representatives from the concerned agencies. The meeting was presided by Mr. A.K.M. Anisur Rahman, Superintending Engineer, Teesta Project Canal Circle-II, BWDB, Rangpur, in the absence of the Chief Engineer, Planning, BWDB. At the request from the Chairman, Mr. H. Yamamoto, leader of the JICA Study Team, introduced the team members and explained the outline of the Draft Final Report to the attendants. After the presentation of Mr. Yamamoto, various discussions were made and the following were confirmed through the discussions:

- (1) The "Draft Final Report" is well-focussed, and the approaches and concept of the Project described are agreed with the national water development policies and on-going FAP studies. The Draft Final Report is therefore acceptable to BWDB.
- (2) During the meeting, the following offices and agencies discussed/submitted their written comments and suggestions on the "Draft Final Report" :
 - Ministry of Irrigation, Water Development and Flood Control (MOIWDFC)
 - Water Resources Planning Organization (WARPO)
 - Flood Control Coordination Organization (FPCO)
 - Directorate of Environment (DOE)
 - Local Government Engineering Department (LGED)
 - BWDB concerned offices


Further comments and suggestions from other related agencies would be sent to the Study Team through the JICA Bangladesh Office by February 15, 1993. The JICA Study Team in turn will examine these comments and suggestions and reflect those in the "Final Report".

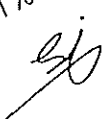
- (3) The agreed minutes of the meeting will be sent to the Economic Relations Division (ERD), Ministry of Finance, for information.

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- (4) The Chairman summed up the discussion with thanks, and requested the Study team to re-examine the above and other issues raised in the meeting during the finalization of the "Draft Final Report" in Japan.

 20/1/16

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LIST OF ATTENDANTS

Bangladesh Water Development Board (BWDB) and Concerned Agencies

- | | | |
|------|----------------------|--|
| (1) | A.K.M. Anisur Rahman | SE, Teesta Project Canal Circle-II, Rangpur, BWDB |
| (2) | Emam H. Khan | Director, Land and Water Use, BWDB |
| (3) | S.A.M. Rafiquzzaman | Director, Planning (General), BWDB |
| (4) | M.C. Dey | Economist, Economic Planning, BWDB |
| (5) | Md. Munsif Ali | Agronomist, Land and Water Use, BWDB |
| (6) | Md. Y. Haroon | Executive Engineer, Planning (General), BWDB |
| (7) | Fakhrul Islam | Dy Chief Agronomist, Planning (General), BWDB |
| (8) | M.A. Muttaleb | Chief Soil & Agricultural Survey Officer, Planning (General), BWDB |
| (9) | Md. Minarul Islam | Soil Survey Officer, Planning (General), BWDB |
| (10) | Md. Abdus Samad | Sr. Agric. Planning Officer, Planning (General), BWDB |
| (11) | Md. Delwar Hossain | Executive Engineer, FPCO |
| (12) | Md. Z. Haider | Executive Engineer, Design -7, BWDB |
| (13) | M.K. Farooque | Joint Director, DOE |
| (14) | MD. A. Sattar | Dy. Director, SWH-1, BWDB |
| (15) | Md. Moksed Alam | Sr. Technical Design Consultant, ISP, LGED |
| (16) | G.J.N. Murshed | Sr. Scientific Officer, WARPO |
| (17) | Murshed Ahmad | Chief Economist, WARPO |
| (18) | K.A. Khaleque | Dy. Chief, Planning, MOIWDFC |
| (19) | Md. Sanaulah | SDE, Planning (General), BWDB |

Embassy of Japan

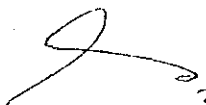
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| (1) | A. Ito | Second Secretary |
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JICA Advisory Committee

- | | | |
|-----|------------|---------------------------------|
| (1) | H. Sekioka | Leader, JICA Advisory Committee |
| (2) | A. Shimizu | JICA Headquarters, Tokyo |


JICA Study Team

- | | | |
|-----|-------------|---------------------------------------|
| (1) | H. Yamamoto | Team Leader / Irrigation and drainage |
| (2) | N. Ariga | Agro-economy / Institutional Planning |

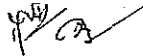
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MINUTES OF MEETING
ON
THE INCEPTION REPORT
OF
THE MASTER PLAN STUDY ON THE INTEGRATED AGRICULTURAL AND
RURAL DEVELOPMENT PROJECT IN THE SUBURBS OF PHNOM PENH

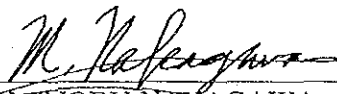


Hon. LOY SIM CHHEANG
Vice Minister of Agriculture



Mr. SHIN-ICHI YANO
Team Leader
Study Team of Japan Inter-
national Cooperation Agency
(JICA)

Witness



Dr. MINORU NAKAGAWA
Chairman
JICA Advisory Committee

Conference Room of Royal Phnom Penh Hotel
Phnom Penh
October 22, 1993

MINUTES OF MEETING
ON
THE INCEPTION REPORT
OF
THE MASTER PLAN STUDY ON THE INTEGRATED AGRICULTURAL AND
RURAL DEVELOPMENT PROJECT IN THE SUBURBS OF PHNOM PENH

1. DATE : 22ND OCTOBER, 1993
2. TIME : 8:00 TO 10:30 a.m.
3. PLACE : Conference Room of Royal Phnom Penh Hotel, Phnom Penh
4. PARTICIPANTS:

Name of all the participants as per attached sheet

5. MINUTES OF DISCUSSION

A. Summary

The meeting of the Inception Report for the Master Plan Study on the Agricultural and Rural Development Project in the Suburbs of Phnom Penh was chaired by the Director of Department of Planning, Ministry of Agriculture, Mr. Chan Tong Yves on behalf of the Vice Minister of Agriculture. The Chairman presented the general agenda to the participants and the Chairman of the JICA Advisory Committee, Dr. M. Nakagawa, made a short opening speech. Mr. S. Yano, Leader of the JICA Study Team, then presented the Inception Report.

After some discussions, the plan of operation, work schedule, designation of counterparts as presented in the Inception Report were basically accepted by the participants. The chairman expressed his deep thanks to the JICA Advisory Team and the Study Team on their efforts in strating the Study. It is confirmed that the Master Plan Study will proceed in accordance with the Inception Report.

B. Items Confirmed

After the presentation of the Team Leader of the JICA Study Team, the following items relating to the execution of the Study were confirmed:

M.W. JIC S.Y

(1) Formulation of Steering Committee of the Project

The steering committee of the Project will be soon formulated, and the Study Team will be informed of the constitution of the committee. The Chairman expressed a provisional plan for the committee which will be constituted from the representatives of the Ministries of Agriculture, Rural Development, Environment and Planning for the preparatory stage (study stage) of the Project.

(2) Project Study

The Study Team agreed to take into account the following in the Master Plan Study:

- (a) The objectives of the development of the Project will be itemized in the reports to be prepared in the succeeding stages.
- (b) The target period of the Master Plan will be set up in formulating the Master Plan of the Project in consideration of the national development plan. The development sequence will be determined accordingly.

(3) Workshop

The Cambodian side requested to held work shop or seminar to explain the contents of the study results at the final stage of each study Phase as well as to confirm the result of the development study. The JICA Team understood the necessity of workshop or seminar as part of program of the transfer of technology.

(4) Counterpart

The counterpart personnel to the Study Team will be designated soon and the list of them will be given to the Study Team.

With respect of the assignment of counterpart personnel, however, the Cambodian side expressed the severe present conditions on staffing and budgeting. The JICA Team responded to take note of the present situation of the Cambodian side in execution of the field works.

LIST OF ATTENDANT

Name	Organization	Position
1. Cambodian Party :		
Chan Tong Yves	Department of Planning, MOA	Director
Suth Som Boun	Department of Planning, MOA	In charge of international cooperation
Lim Kean Hor	Department of Hydrology, MOA	Director
Ly Chana	Department of Hydrology, MOA	Deputy Director
It Nody	Department of Agronomy, MOA	Director
Sameng Keomonine	Ministry of Rural Development	Staff of Credit Department
Pun Vicheth	Ministry of Environment	Representative
Chhiv Nam	DOEC, Ministry of Planning	Acting Director
Sok Sorin	Ministry of Foreign Affairs, IC	Documentalist
The Lim Thong	Cambodia National Mekong Committee	Permanent Deputy Secretary
T. Kasai	Ministry of Planning	Advisory Expert
K. Kubo	Ministry of Agriculture	Advisory Expert
2. Japanese party :		
Dr. M. Nakagawa	JICA Advisory Committee	Chairman
K. Mima	JICA Head Office	Deputy Manager
K. Matsumoto	JICA Head Office	Coordinator
S. Watanabe	JICA Phnom Penh Office	Representative
S. Yano	JICA Study Team	Team Leader
H. Kuronuma	JICA Study Team	Co T/L, Irr. & Drain. Engr.
Dr. D. T. Plinston	JICA Study Team	Hydrologist
J. M. Aldrick	JICA Study Team	Soil/Land Use Expert

M. M.

[Signature]

S. M.

MINUTES OF MEETING
ON
THE PROGRESS REPORT (1)
OF
THE MASTER PLAN STUDY ON THE INTEGRATED AGRICULTURAL AND
RURAL DEVELOPMENT PROJECT IN THE SUBURBS OF PHNOM PENH

S. Chhea Song

HON. CHHEA SONG
UNDER-SECRETARY OF THE STATE
MINISTRY OF AGRICULTURE,
FORESTRY AND FISHERIES

S. Shin-ichi Yano

MR. SHIN-ICHI YANO
TEAM LEADER
STUDY TEAM OF JAPAN
INTERNATIONAL
COOPERATION AGENCY

CONFERENCE ROOM OF ROYAL PHNOM PENH HOTEL
PHNOM PENH
DECEMBER 24, 1993

MINUTES OF MEETING
ON
THE PROGRESS REPORT (1)
OF
THE MASTER PLAN STUDY ON THE INTEGRATED AGRICULTURAL AND
RURAL DEVELOPMENT PROJECT IN THE SUBURBS OF PHNOM PENH

1. DATE : 24 December, 1993
2. TIME : 8:00 to 11.30AM
3. PLACE : Conference Room of Royal Phnom Penh Hotel, Phnom Penh
4. PARTICIPANTS :
Names of all the participants as per attached sheet

5. MINUTES OF DISCUSSIONS

A. Summary

The meeting of the Progress Report (1) for the Master Plan Study on the Integrated Agricultural and Rural Development Project in the Suburbs of Phnom Penh was chaired by the Director of Department of Planning, Ministry of Agriculture, Forestry and Fisheries (MOAFF), Mr. Chan Tong Yves on behalf of Under-secretary of the State, Hon. Chhea Song. The Chairman presented the general agenda to the participants. Mr. S.Yano, Leader of JICA Study Team, then, presented the Progress Report (1).

After some discussions, the Chairman expressed his deep thanks and appreciation to the JICA Study Team on the efforts for preparation of the Progress Report (1), and requested to the Team for continuous cooperation for realization of the Project. The Team Leader expressed his great gratitude to close cooperation for the investigation rendered by the Ministries and Departments concerned, and counterparts personnel assigned for the Study. The Team Leader requested the participants of the Cambodian side to send the further questions and/or suggestions if any through the Department of Hydrology via JICA Phnom Penh Office within one month. It is confirmed that the Master Plan will proceed with reference to the result of the discussions.

B. Items Confirmed

After the presentation of the Team Leader of the JICA Study Team, the following items relating to the Master Plan Study were confirmed.

(1) Improvement Plan of Tuk Thla and Kompong Tuol Regulators and Road Dyke

The Cambodian side expressed the urgent necessity of improvement/rehabilitation of the Tuk Thla and Kompong Tuol and road dike for realization of the agricultural and rural development of the Study area since the Kandal Stung Irrigation Scheme could not avail any water for irrigation without rehabilitation of the above structures. The Study Team explained the result of investigation that the improvement of those facilities was prerequisite for development of the Study area and would be given high priority in making implementation plan of the Master Plan of the Project.

(2) Flood Mitigation Effect of Localized Reservoir Plan

The Progress Report describes the necessity of small impounding plan to increase the irrigation area in the Study area. The Cambodian side requested to take into account the flood mitigation effect of small impounds in both the Kandal Stung area and Tonle Bati area, since the reservoir will contribute much to the improvement of ill-drainage condition in the Kandal Stung area. The JICA Study Team responded to make impounding plan with such effect.

(3) Necessity of Water Management and O&M Plan on Prek Thnot Basin Basis

Cambodian side requested in making improvement plan of the Tuk Thla and Kompong Tuol Regulators, that since those regulator are located in the Prek Thnot River Basin, water management and O&M of those facilities needs to be well coordinated with other Prek Thnot hydraulic structures.

(4) Agricultural Development Plan

Cambodian side requested to take into account the following in agricultural planning of the Master Plan in order to uplift the living standard of the rural people according to the national policy of the agricultural development.

- Livestock raising of individual sector,
- Income generating activities such as hand craft, silk weaving,
- Seed production not only for crops but also animal breeding,
- Introduction of agricultural machineries and tools.

The JICA Study Team responded to take due consideration of the national policy.

(5) Other Item

- Inclusion of Agro-processing Industries as one of Project components.
- Environmental condition of Tonle Bati lake especially in dry season.

List of Attendant

Name	Organization	Position
1. Cambodian Party :		
Chan Tong Yves	Department of Planing, MOAFF	Director
The Lim Thong	Cambodia National Mekong Committee	Deputy Secretary
Ly Chana	Department of Hydrology, MOAFF	Vice Director
Kith Seng	Department of Agronomy, MOAFF	Chief of Planning Office
Chhiv Nam	Department of Economy, MOP	Chief of Planning
Pum Vicheth	Ministry of Environment	Chief of Data & Land Use
Sok Sorin	Ministry of Foreign Affair	Chief of International Cooperation
K. Kubo	Ministry of Agri., Forestry and Fisheries	Advisory Expert
T. Kawai	Department of Hydrology, MOAFF	Advisory Expert
2. Japanese party :		
S. Watanabe	JICA Phom Penh Office	Representative
S. Yano	JICA Study Team	Team Leader
H. Kironuma	JICA Study Team	Co T/L, Irr. & Drain. Engr.
K. Maeda	JICA Study Team	Agronomist
K. Yamada	JICA Study Team	Agri./Project Economist
C. Kubota	JICA Study Team	Rural Infrastructure Planner

JICA

*THE MASTER PLAN STUDY ON THE INTEGRATED AGRICULTURAL AND
RURAL DEVELOPMENT PROJECT IN THE SUBURBS OF PHNOM PENH*

Royal Phnom Penh Hotel : Old 26 August Site, Lenin Road, Sangkat Tonle Bassac, Khan Cham Kamorn,
Phnom Penh : Tel.855 2360026, Fax 855 2360035

HON. CHHEA SONG
Vice Minister
Ministry of Agriculture, Forestry and Fisheries
Phnom Penh, Cambodia

Our ref. : PH-11/93
Date : December 23, 1993

Re: Submission of Progress Report (1)

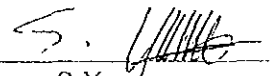
Dear sir,

We are pleased to submit you herewith Twenty (20) copies of the captioned Report in accordance with the Scope of Work for the Master Plan Study on the Integrated Agricultural and Rural Development Project in the Suburbs of Phnom Penh agreed upon between Ministry of Agriculture of the Kingdom of Cambodia and Japan International Cooperation Agency on January 26, 1993.

Your kind acceptance and cooperation are much appreciated.

Thanking you,

Sincerely yours


S. Yang
Team Leader
JICA Study Team

中華人民共和國遼寧省
遼河三角洲農業資源綜合開發計畫調查

協議議事錄

1992年9月19日

日本國際協力事業団

中華人民共和國遼寧省水利電力庁

日本国際協力事業団遼河三角洲農業資源総合開発計画調査団は、1990年9月19日に署名された本調査実施に係る実施細則及び協議議事録並びに同年12月18日に署名された本調査業務着手報告書協議議事録に基づき、遼河三角洲農業資源総合開発基本計画草案(M/P)を取りまとめた中間報告書(2)を作成し、1992年9月19日中国側に提出の上、説明・協議を行った。中国側はその内容について原則的に了承するとともに、引き続き検討をすすめ、後日コメントを提出することを約束した。なお、本協議において日中双方が確認した主要事項は以下のとおりである。

- 1 第三次調査において実施する二つのF/S調査のうち、小三角洲モデル地区農業開発計画については、地区全体の運営基本方針を中国側関係機関で決定し、遼寧省政府の承認を得た後、10月初めに日本側に提出する。
- 2 最終報告書草案提出時に開催するセミナーの内容及び時期について中国側より下記の提案が出され、日本側はこれを踏まえて日程等の調整を行う。

- (1) 演題：(日本側)
- 1) 遼河三角洲農業資源総合開発基本計画の概要紹介
 - 2) 日本の土地改良事業(農道網、圃場区画等を含む計画策定)について
 - 3) 八郎潟新農村建設事業または豊川用水事業の計画・事業実施・運営の事例紹介
- (中国側)
- 1) 遼寧省中部地区水資源開発利用の現状と渇水年における用水対策
 - 2) 遼河三角洲盤錦・營口沿海地区第一期農業開発に係る諸問題の検討

(2) 日程：旧正月の休暇時期との兼ね合いで、セミナーは遅くとも1993年1月15日までに終了したい。

(3) 運営：会場設営等のセミナー運営に関して、中国側は全面的に協力する。

協議に出席した日中双方の関係者の名簿は別表-1に示すとおりである。

この議事録は、以下の両者の署名により確認されるものとする。

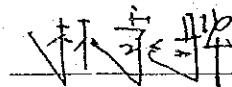
1992年9月19日

日本国
国際協力事業団
実施調査団 団長

中華人民共和国
遼寧省水利電力庁
総工程師



矢野 信一



林 家 驊

別表一 1 協議出席者名簿

日本側	佐藤 準	作業監理委員会	委員長
	廣重 静男	国際協力事業団	調整員
	矢野 信一	実施調査団	団 長
	松本 豊	実施調査団	団 員
	松浦 広好	実施調査団	団 員
	金井 晴男	実施調査団	団 員
	佐藤 武美	実施調査団	団 員
	山田 耕三	実施調査団	団 員
	飯村 直子	実施調査団	通 訳
中国側	曲 利正	遼寧省水利電力庁	副庁長
	林 家驊	遼寧省水利電力庁	総工程師
	於 本洋	遼寧省計画経済委員会	工程師
	王 貴民	遼寧省水産局	処 長
	孫 傳紳	遼寧省水利水電勘测設計院	総工程師
	蔡 大信	遼寧省水利水電勘测設計院	副総工程師
	權 寧聖	遼寧省水利水電勘测設計院	副総工程師
	李 秀堂	遼寧省水利水電勘测設計院	副総工程師
	李 道鏗	遼寧省水利水電勘测設計院	主任工程師
	門 隆勃	遼寧省水利水電勘测設計院計画室	主任
	薛 永生	遼寧省水利水電勘测設計院設計室	主任
	張 芝暎	遼寧省遼河三角洲農業総合開発弁公室	主 任
	李 任山	遼寧省遼河三角洲農業総合開発弁公室	高級工程師
	肖 宜輝	遼寧省遼河三角洲農業総合開発弁公室	高級工程師
	楊 鳳明	遼寧省遼河三角洲農業総合開発弁公室	助理工程師
	叢 惠	遼寧省遼河三角洲農業総合開発弁公室	助理工程師
	徐 曉剛	遼寧省遼河三角洲農業総合開発弁公室	助理工程師
	趙 茜	遼寧省遼河三角洲農業総合開発弁公室	助理工程師
	胡 新生	遼寧省遼河三角洲農業総合開発弁公室	通 訳

中国湘西南支山脉地区

農牧畜業綜合開發計畫調查

協議議事録

日本国国際協力事業団

中華人民共和国湖南省農業庁

日本国政府は、国際協力事業団によって実施される中国湘西南支山脈地区農牧畜業総合開発計画に関し、中華人民共和国湖南省農業庁に対して、最終報告書（案）の説明および本件調査に係るセミナーを開催するために、実施調査団、現地作業監理調査団および技術移転セミナー調査団を長沙に派遣した。

1990年11月24日に署名された本件調査に関する実施細則、同協議議事録および1991年3月5日に合意された着手報告書に基づいて作成した最終報告書（案）は、国際協力事業団より送付され、1992年4月30日に中華人民共和国湖南省農業庁は、30部を受領した。

実施調査団は、最終報告書（案）の内容について、説明および協議をかさねた結果、中華人民共和国湖南省農業庁側は実施調査団の説明内容を理解した。湖南省農業庁は、調査団の努力に対して高い評価を与え、調査団は湖南省農業庁の全面的な協力に対し謝意を表した。

これに引き続き、最終報告書のとりまとめについて協議がなされ、日中双方が確認した主な事項は次のとおりである。

1. 湖南省農業庁は、最終報告書（案）を受領した後、その内容について検討し、実施調査団との打合せの中で申し立てた部分的な修正意見以外は、最終報告書（案）に対して満足の意を表明した。
2. 日中双方は、最終報告書（案）の部分的な修正意見について協議し、基本的には最終報告書（案）に基づき最終報告書を取りまとめることに同意した。
3. 日本側調査団は、帰国後、最終報告書を取りまとめ、1992年7月末に中国側に提出する旨を述べた。

氏馬

また、本件調査に関するセミナーは、6月12日および13日の2日間にわたり、長沙において開催され、中国側からは49名の専門家が出席した。セミナーでは、日中双方の技術交流が活発に行われ、成功裡に終了した。

なお、協議に出席した日中双方の名簿とセミナーのプログラムおよび参加者名簿は、別添-1、別添-2、別添-3に示すとおりである。

この協議議事録は、次の双方四者の署名により確認されるものとする。

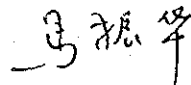
1992年 6月17日

日本国国際協力事業団
実施調査団
団長



氏原 裕

中華人民共和国
湖南省農業庁畜牧局
局長



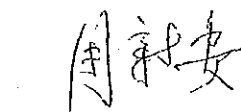
馬 振華

(立会人)
日本国国際協力事業団
現地作業監理調査団
調査監理



伊藤 忠夫

(立会人)
中華人民共和国
湖南省農業庁
庁長



周 新安

別添一 1 協議出席者名簿

1. 日本側出席者

日本国国際協力事業団	伊藤 忠夫
日本国国際協力事業団実施調査団	氏原 裕
日本国国際協力事業団実施調査団	坂本 宣美
日本国国際協力事業団実施調査団	小澤 栄喜
日本国国際協力事業団実施調査団	仲西 康幸
日本国国際協力事業団実施調査団（通訳）	大倉 幼子

2. 中華人民共和国側出席者

中華人民共和国湖南省農業庁庁長	周 新安
中華人民共和国湖南省農業庁畜牧局長	馬 振華
中華人民共和国湖南省農業庁对外經濟弁公室主任	熊 炳坤
中華人民共和国湖南省農業庁畜牧局副局長	凌 焱
中華人民共和国湖南省農業庁畜牧局副科長	藍 牧
中華人民共和国湖南省湘西土家族苗族自治州畜牧水産局副局長	周 桂香
中華人民共和国湖南省農業庁（通訳）	羅 洛

別添-2 セミナー・プログラム

農牧畜業技術研修会プログラム

開催日……1992年 6月12～13日

開催場所…湖南省畜牧獣医業務センター

1. 開 会 6月12日 9:00～9:15
 - 1) 日本側挨拶
国際協力事業団中国事務所長 三浦 敏一(代理 伊藤 忠夫)
 - 2) 中国側挨拶
湖南省農業庁長 周 新安(代理 劉 丁山)

2. 講 演
 - 1) 湖南省の牧畜業の概要 9:15～ 9:50
湖南省農業庁畜牧局長 馬 振華
 - 2) 日本の農用地整備 10:00～12:00
北海道開発局農業水産部 駒井 明
 - [昼 食] 12:00～14:00
 - 3) 日本の大家畜の繁殖および飼養管理 14:00～16:15
農林水産省家畜改良センター 岩元 周二
 - 4) 意見交換、質疑応答 16:15～16:40
 - 5) 湘西南支山脈地区農牧畜業総合開発計画の概要 6月13日 8:30～ 9:55
湘西南支山脈地区農牧畜業総合開発計画
実施調査団団長 氏原 裕
 - 6) 意見交換、質疑応答 10:10～11:40

3. 閉会挨拶 11:40～11:50
湘西南支山脈地区農牧畜業総合開発計画
実施調査団団長 氏原 裕

日本側講演資料目録

I 日本の農用地整備

北海道開発局農業水産部

農業計画課課長補佐 駒井 明

1. 草地造成工法とその事例（不耕起工法を主として）
2. 蹄耕法による草地造成後の草地の管理と利用
3. 牧草の草種及びその生産量
4. 実施例（スライド使用）

II 日本の大家畜の繁殖および飼養管理

農林水産省家畜改良センター

熊本牧場阿蘇支場長 岩元 周二

1. 肉用牛の繁殖技術及び新技術の事例紹介
2. 日本における人工授精の歴史と改良の手法
3. 肉用牛の飼養管理方法（舎飼期）
4. 草地管理技術（放牧利用と粗飼料生産）
5. 肥育

III 中国湘西南支山脈地区農牧畜業総合開発計画の概要

中国湘西南支山脈地区農牧畜業総合開発計画実施調査団団長 氏原 裕

1. 農牧畜業総合開発計画
2. 典型区農牧畜業総合開発計画

中国側講演資料目録

湖南省の牧畜業の概要と発展計画

湖南省農業庁畜牧局長 馬 振華

1. 湖南省の牧畜業の現在の生産状況
2. 今後の発展の目標

別添-3 セミナー参加者名簿

1.	劉 丁山	湖南省農業庁	副庁長
2.	馬 振華	湖南省農業庁畜牧局	局長
3.	凌 焱	湖南省農業庁畜牧局	副局長
4.	藍 牧	湖南省農業庁畜牧局	副科長
5.	高 春石	湖南省農業庁畜牧局	助理畜牧師
6.	青 志新	湖南省農業庁畜牧局	技術員
7.	王 建平	湖南省農業庁声像センター	ディレクター
8.	盛 文亮	湖南省畜牧獸医研究所	副所長
9.	劉 崇高	湖南省畜牧獸医研究所	副研究員
10.	李 科雲	湖南省畜牧獸医研究所	助理研究員
11.	馮 蘭宝	湖南省畜牧獸医研究所	助理研究員
12.	盛 美雲	湖南省畜牧獸医研究所	助理研究員
13.	肖 先達	湖南省畜牧獸医技術サービスセンター	主任
14.	劉 興海	湖南省畜牧獸医技術サービスセンター	弁公室主任
15.	文 銳	湖南省畜牧獸医技術サービスセンター	弁公室副主任
16.	欧 迪軍	湖南省畜牧獸医技術サービスセンター	技術員
17.	盧 黎明	湖南省畜牧獸医技術サービスセンター	技術員
18.	車 開明	湖南省畜牧獸医技術サービスセンター	技術員
19.	曾 夢良	湖南省畜牧獸医技術サービスセンター	技術員
20.	鄒 長平	湖南省畜牧獸医技術サービスセンター	技術員
21.	肖 陽	湖南省畜牧獸医技術サービスセンター	技術員
22.	劉 苗蘭	湖南省畜牧獸医技術サービスセンター	技術員
23.	胡 雅雄	湖南省畜牧獸医技術サービスセンター	技術員
24.	申 秀英	湖南省畜牧獸医技術サービスセンター	薬剤師
25.	楊 定吾	湖南省畜牧獸医技術サービスセンター	技術員
26.	肖 建偉	湖南省畜牧獸医技術サービスセンター	技術員
27.	周 桂香	湘西土家族苗族自治州畜牧水産局	副局長
28.	潘 承猛	湘西土家族苗族自治州畜牧水産局	高級獸医師
29.	向 秀川	湘西土家族苗族自治州畜牧水産局	高級畜牧師
30.	張 慧雲	湘西土家族苗族自治州畜牧水産局	畜牧師
31.	張 建	湘西土家族苗族自治州畜牧水産局	畜牧師
32.	賈 明忠	吉首市人民政府	副市長
33.	周 金強	吉首市農業委員会	副主任

- | | | | |
|-----|------|----------|-------|
| 34. | 王 維紀 | 吉首市畜牧水產局 | 弁公室主任 |
| 35. | 鄭 芳匪 | 吉首市農業委员会 | 副主任 |
| 36. | 錢 飛騰 | 吉首市乳製品工場 | 工場長 |
| 37. | 隆 秀章 | 花垣県畜牧水産局 | 副局長 |
| 38. | 廖 夏冰 | 花垣県畜牧水産局 | 畜牧師 |
| 39. | 唐 銀元 | 花垣県畜牧水産局 | 畜牧師 |
| 40. | 符 大選 | 保靖県畜牧水産局 | 副局長 |
| 41. | 彭 延鳳 | 保靖県畜牧水産局 | 畜牧師 |
| 42. | 彭 銀文 | 保靖県畜牧水産局 | 畜牧師 |
| 43. | 黄 文淵 | 保靖県畜牧水産局 | 畜牧師 |
| 44. | 王 永学 | 保靖県畜牧水産局 | 畜牧師 |
| 45. | 宗 祖双 | 永順県畜牧水産局 | 局長 |
| 46. | 邱 明 | 永順県畜牧水産局 | 高級畜牧師 |
| 47. | 秦 遠龍 | 永順県畜牧水産局 | 畜牧師 |
| 48. | 羅 洛 | 湖南省農業庁 | 通訳 |
| 49. | 王 予桂 | 湖南省農業庁 | 通訳 |

中国湘西南支山脉地区農牧畜業総合開発計画に係る調査団名簿（セミナー参加者名簿）

調査団名	氏名	担当業務	現職
現地作業監理 調査団	伊藤 忠夫	調査監理	国際協力事業団 農林水産開発調査部 農業開発調査課 副参事
技術移転セミナー 調査団	駒井 明	日本の農用地整備	北海道開発庁北海道開発局 農業水産部農業計画課 課長補佐
	岩元 周二	日本の大家畜の繁殖 および飼養管理	農林水産省家畜改良センター 熊本牧場 阿蘇支場長
	花崗 遜	通訳	国際協力サービスセンター
実施調査団	氏原 裕	総括	農用地整備公団海外事業部 海外技術参与
	坂本 宣美	農村基盤整備	農用地整備公団海外事業部 調査設計課長
	小澤 栄喜	大家畜改良増殖・ 飼養管理	農用地整備公団計画部 指導役
	仲西 康幸	事業評価	農用地整備公団海外事業部 企画課企画第一係長
	大倉 幼子	通訳	農用地整備公団 臨時嘱託

中華人民共和國吉林省

前郭地区第二灌漑区施設整備計画調査

中間報告書説明に係る
協議議事録

日本国国際協力事業団

吉林省水利庁

日本国国際協力事業団の吉林省前郭地区第二灌漑区施設整備計画調査団一行5名は、第二次調査・現地調査のため、国際協力事業団現地作業監理団とともに、1993年5月11日吉林省を訪問した。

調査団は、長春市において1993年5月12日に吉林省水利庁及び科学技術委員会の関係者に中間報告書の内容を説明し、協議を行った。

この協議を通じ、以下の事項を確認した。

1. 中国側は「吉林省前郭地区第二灌漑区施設整備計画調査」中間報告書30部を受領した。
2. 中間報告書の内容について日本側から説明が行われ、中国側から細部にわたって提案、意見が述べられた。
これらの提案、意見については今後の調査の過程で双方調査団が調整を図りながら調査を進めることとした。
3. 中国側から、本件調査のために購送されたJICA調査用機材について、調査終了後供与されることを希望する旨の表明がなされた。調査団は、国際協力事業団にその旨を伝えることを約束した。
4. 本年12月、最終報告書（案）の提出時において本件調査に関連して技術合作効果を広く普及するためのセミナーを長春において開催することを希望する旨、中国側から意見の表明がなされた。調査団は、中国側の希望を、国際協力事業団に伝えることを約束した。

この議事録は、次の者により確認されたものとする。

1993年5月17日

日本国国際協力事業団
調査団長

石坂仁兵

石坂

中華人民共和國
吉林省水利庁前郭灌区
中国側調査団長

王恒祥

王恒祥

議事録署名参加者名簿

1993年5月17日

日本側

廣重 静男	JICA現地作業監理団
石坂 仁兵	実施調査団 団長
大野 邦彦	土 壤
石田 良作	営農・栽培
篠田 日出海	土地利用・農村計画
石岡 道也	灌漑計画
近藤 兼一郎	経済評価
織田 秀二	施設計画
金子 真知	業務調整
松岡 加途	通 訳
神谷 晶子	通 訳

中華人民共和國吉林省

前郭地区第二灌漑区施設整備計画調査

現地報告書(2)説明に係る
協議議事録

日本国国際協力事業団

吉林省水利庁

現地報告書(2)説明に係る協議議事録

日本国国際協力事業団の吉林省前郭地区第二灌漑区施設整備計画調査団一行14名（以下日本側調査団と言う）は、1991年10月12日に日中双方で合意署名された実施細則及び1992年2月26日日本調査団によって提出された着手報告書の内容に基づき、1993年5月9日から1993年8月6日の日程で第2次調査・現地調査を行った。

日本側調査団は、1993年7月29日長春市において、吉林省水利庁及び科学技術委員会の関係者に対し現地報告書(2)の内容を説明し、協議を行った。説明会参加者の名簿を次頁に添付する。

この協議を通じ、以下の事項を確認した。

1. 中国側は「吉林省前郭地区第二灌漑区施設整備計画調査」現地報告書(2)30部を受領した。
2. 日本側調査団は、現地報告書(2)の内容について中国側に説明した。これに対し、中国側から細部にわたって提案、意見が述べられた。
これらの提案・意見については、今後の最終報告書（案）作成の過程で十分日本側調査団が考慮するものとする。
3. 中国側から、本件調査のために購送されたJICA調査用機材について、最終報告書（案）提出後、中国側に供与されることを希望する旨の表明が再度なされた。日本側調査団は国際協力事業団にその旨を伝えることを約束した。
4. 中国側から、本年12月最終報告書（案）の提出時において、本件調査に関連した技術合作効果を広く普及するため、長春市においてセミナーを開催することを希望する旨の表明が再度なされた。日本側調査団は、中国側の希望を、国際協力事業団に伝えることを約束した。

この議事録は、次の二者により確認された。

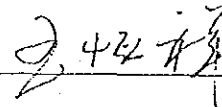
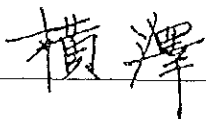
1993年8月2日

日本国国際協力事業団
日本側調査団長

横 澤 誠

中華人民共和国
吉林省水利庁前郭灌区
中国側調査団長

王 恒 祥



吉林省前郭地区第二灌漑区施設整備計画調査
第3回現地調査
(1993年5月9日～同年8月6日)

日本側調査団員名簿

担当業務	氏名	氏名	期間
総括	石坂 仁兵	ISHIZAKA JIMPEI	5/ 9～5/23
	○横澤 誠	YOKOZAWA MAKOTO	7/ 8～8/ 6
気象・水文	倉内 隆	KURAUCHI TAKASHI	6/14～7/13
土 壤	大野 邦彦	OHNO KUNHIKO	5/15～7/13
営農・栽培	石田 良作	ISHIDA RYOUSAKU	5/ 9～7/13
土地利用・ 農村計画	篠田日出海	SHINODA HIDEMI	5/15～7/13
灌漑・排水	○石岡 道也	ISHIOKA MICHINARI	5/ 9～8/ 6
水 産	並里 次雄	NAMISATO TSUGIO	6/14～7/13
農業経済	木下 幸孝	KINOSHITA YUKITAKA	5/30～7/13
施設計画	○織田 秀二	ORITA SYUJI	5/15～8/ 6
事業評価	○近藤兼一郎	KONDOH KENICHIROU	5/15～8/ 6
環 境	田中 米吉	TANAKA YONEKICHI	6/14～7/13
業務調整	○金子 真知	KANEKO MACHI	5/ 9～5/23 7/ 8～8/ 6
通 訳	○松岡 加途	MATSUOKA KAZU	5/ 9～8/ 6
通 訳	神谷 晶子	KAMIYA AKIKO	5/15～7/13

注) ○印は説明会参加者

中華人民共和國吉林省

前郭地区第二灌漑区施設整備計画調査

最終報告書案の説明に係る
協議議事録

日本国国際協力事業団

中華人民共和國吉林省水利庁

中華人民共和国吉林省
前郭地区第二灌漑区施設整備計画調査
最終報告書草案説明・協議議事録

1. 期 日 1993年12月8日
2. 会 場 長春市 吉林省水利庁水利水電観測設計院
3. 出席者 別紙参照

説明・協議の概要

- (1) 実施調査団石坂仁兵団長より、「吉林省前郭地区第二灌漑区施設整備計画調査最終報告書草案」30部を中国側に提出し、国内作業において行った計画の内容及び事業費積算と事業評価の結果並びに各調査の結論及び勧告を中国側に説明した。
- (2) これに対して、下記事項について意見の交換が行われた。
 - 1) 灌漑計画における設計流量の決定方法
 - 2) 事業評価における初期投資額
 - 3) 設計図の内容及び新第2用水機場取り付け水路の位置について
 - 4) その他
- (3) 最終報告書草案の内容について早急に検討し、コメントがあれば1ヵ月以内に国際協力事業団に提出することを確認した。
- (4) 今回の調査実施のため日本側が用意した機材について中国側から譲与希望があり、これについては正式要請書を国際協力事業団に提出することを双方確認した。
- (5) 中国側王団長より日本側の長期にわたる調査と報告書草案の作成に対して謝辞が述べられた。
- (6) 国際協力事業団より22ヵ月にわたる調査への中国側の協力に対して謝辞が述べられ、最終報告書草案説明・協議を終了した。

1993年12月8日

日本側調査団長

石坂 仁兵

石坂

中国側調査団長

王 恒 祥

王恒祥

立 会 人

日 本 国

国際協力事業団

魚屋 将

魚屋将

中華人民共和国

吉林省水利庁副庁長

賴 穩 賢

賴穩賢

日本側参加人員名簿

1993年12月8日

魚屋 将	国際協力事業団
石坂 仁兵	実施調査団 団長
石岡 道也	灌漑・排水
石田 良作	営農・栽培
松岡 加途	通 訳

中華人民共和國
黑龍江省國營農場典型區
農業綜合開發計畫調查

協議議事錄

1993年7月

日本國國際協力事業團
中華人民共和國黑龍江省國營農場總局

黒龍江省国営農場典型区農業総合開発計画実施調査団（以下調査団と言う）は、1992年9月18日に署名された本件実施に係る実施細則及び協議議事録に基づいて、同調査現地作業監理調査団の出席のもと、調査作業を担当する黒龍江省国営農場総局に着手報告書を提出し、7月23日、24日の両日に渡って、着手報告書の内容について説明し、中国側と調査の実施方法等の協議を行なった。協議の中で日中双方が確認した主要事項は以下の通りである。

1. 中国側は着手報告書の内容、工程について、基本的に同意した。
2. 調査団は総局内に事務所を提供するよう要望したが、空室がない等の理由で農墾大廈に事務所スペースを提供することを中国側が提案し、調査団はこれを合意した。中国側は事務所に使用する部屋及び備品を早急に整備することを約束した。現地調査に対する宿舎及び作業用事務所についても国営農場施設内に準備することを約束した。
3. 各専門家にカウンターパートを付けるよう要請、中国側はこれに同意し7月24日の会議で第1陣の専門家に対応するカウンターパートを紹介した。また、調査団は主要なカウンターパートが調査団用事務所に常駐するよう要請、中国側はこれに同意した。
4. 通訳については、調査団より日本語と中国語もしくは中国語と英語の通訳を当面3名、第2陣到着時より5名とするよう要請した。これに対し、中国側は早急に通訳を配置することを約束した。
5. 調査用車両については、国際協力事業団より供与予定の車両（4WD）の現地到着が本年10月頃となり、第1次現地調査でほとんど使用できないため、調査団は車両の手配を依頼し、中国側はそれを了承した。
6. 資料については、調査団は、現地踏査後、ただちに必要と考えられる資料につきリストを作成し、中国側に提示する。そのリストに基づき中国側は速やかに必要資料を提供することを約束した。1/5,000地形図、土壤調査資料等の情報が不足している場合には、実施細則に基づき、中国側が調査補完し調査団に提供するものとした。なお、地形図（1/10,000、1/25,000、1/50,000）については中国側より調査団に早急に提供することとなった。

7. 調査団は7月26日から30日まで予定されている二国营農場の現地踏査においては、詳しい地形図と通訳3名を要請し、中国側は、前もって二国营農場に地形図をコピーし用意しておくこと、また、通訳についても同行させることを約束した。
8. 各専門家とカウンターパートとの協議は随時行なうものとし、2週間に1回程度の割で定例会議を実施することを双方合意した。また、第1回定例会議は、第4項に記す資料リスト提出時とし、第2回定例会議を調査団団長の帰国前とする。なお、7月30日以降の調査スケジュールについては、当該日の少なくとも1週間前に中国側に通知する。
9. 研修員の受け入れについて、今年度2名の受け入れが可能であり、来年度についても2名の枠で努力する旨説明し、中国側はこれを了解した。今年度の2名については早急に人選を進め、8月中旬までに国際協力事業団に要請フォームが届くようにする必要がある旨説明した。

なお、協議出席者は添付の通りである。

この議事録は次の4者の署名により、確認されたものとする。

日本国 国際協力事業団

作業監理調査団 団長

木村 勝

木村 勝

中華人民共和国 黒龍江省

国营農場総局 副局長

魏 克 佳

魏 克 佳

日本国 国際協力事業団

本格調査団 団長

本間 進

本間 進

中華人民共和国 黒龍江省

国营農場総局 計画委員会副主任

侯 培 耀

侯 培 耀

着手報告書說明會議出席者

- | | | | |
|-----|-------|------------|-----------|
| 1. | 魏克佳 | 黑龍江省国营農場總局 | 副總局長 |
| 2. | 王澤翼 | 黑龍江省国营農場總局 | 農業處處長 |
| 3. | 候培耀 | 黑龍江省国营農場總局 | 計画委員会 副主任 |
| 4. | 馬文起 | 黑龍江省国营農場總局 | 農業機械處 處長 |
| 5. | 周瑞君 | 黑龍江省国营農場總局 | 畜牧漁業處 副處長 |
| 6. | 張學利 | 黑龍江省国营農場總局 | 外經處 副處長 |
| 7. | 馬慶國 | 黑龍江省国营農場總局 | 水利局 副局長 |
| 8. | 高家義 | 黑龍江省国营農場總局 | 水利設計處 處長 |
| 9. | 呂增新 | 黑龍江省国营農場總局 | 外事弁公室 副主任 |
| 10. | 陳宇華 | 黑龍江省国营農場總局 | 外事弁公室 通訳 |
| 11. | 姜國慶 | 黑龍江省国营農場總局 | 農業處 科長 |
| 12. | 常海 | 黑龍江省国营農場總局 | 計画委員会 |
| 13. | 陳瑞祥 | 黑龍江省国营農場總局 | 農墾設計院 副處長 |
| 13. | 諸炎 | 黑龍江省国营農場總局 | 農墾設計院 |
| 14. | 趙春録 | 黑龍江省国营農場總局 | 農墾設計院 工程師 |
| 15. | 安瑞強 | 黑龍江省国营農場總局 | 農墾設計院 工程師 |
| 17. | 木村勝 | 現地作業監理調査団 | 団長 |
| 18. | 廣重静男 | 現地作業監理調査団 | 団員 |
| 19. | 本間進 | 調査団 | 団長／総括 |
| 20. | 松浦広好 | 調査団 | 副総括／灌溉・排水 |
| 21. | 小林康和 | 調査団 | 気象・水文 |
| 22. | 佐々木茂 | 調査団 | 地質・地下水 |
| 23. | 石川尚 | 調査団 | 土壌・栽培 |
| 24. | 市来秀夫 | 調査団 | 土地利用・農村計画 |
| 25. | 森丘直人 | 調査団 | 農業経済／事業評価 |
| 26. | 宮川美代子 | 調査団 | 通訳 |

MINUTES OF MEETING
ON
DRAFT FINAL REPORT
FOR
FEASIBILITY STUDY
FOR
LAND DEVELOPMENT PROJECT
-Improvement of land and irrigation systems at farm level-
BETWEEN
DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE,
MINISTRY OF AGRICULTURE, REPUBLIC OF INDONESIA
AND
JAPAN INTERNATIONAL COOPERATION AGENCY

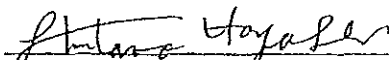
Jakarta,
August 8, 1992



Dr. Dudung Abdul Adjid
Director General
Directorate General of
Food Crops Agriculture,
Ministry of Agriculture



Takeshi Nomoto
Team Leader
The Study Team,
JICA



Mr. Shintaro Hayashi
Leader of Advisory Committee,
JICA

1. JICA has sent a Study Team headed by Mr. Takeshi Nomoto for the Feasibility Study for Land Development Project - Improvement of Land and Irrigation Systems at Farm Level - to Indonesia since March 1, 1991. The Study Team submitted thirty (30) copies of the DRAFT FINAL REPORT for the Study on August 4, 1992. The Study Team together with the Advisory Committee headed by Mr. Shintaro Hayashi had a series of meetings with agencies concerned including Directorate General of Food Crops Agriculture (DGFA) of the Ministry of Agriculture and Directorate General of Water Resources Development (DGWRD) of the Ministry of Public Works, and exchanged their views on the DRAFT FINAL REPORT from August 4 to August 6, 1992. The wrap-up meeting chaired by the National Development and Planning Agency (BAPPENAS) was held on August 7, 1992.
2. The list of attendants to the wrap-up meeting is attached as ANNEX.
3. Following a presentation of the DRAFT FINAL REPORT by the Team Leader, discussions were made mainly on the project components, project organization and project costs. The report was accepted by the Indonesian side in principle. The main points agreed at the meeting are summarized as follows:
 - (1) The Study Team will modify the DRAFT FINAL REPORT based on the discussion result at the meeting.
 - (2) The Study Team understood that the Project works for village irrigation schemes will be demarcated between DGFA and DGWRD with farmers' participation as follows:
 - Intake facility and headreach up to the 1st turnout
-by DGWRD
 - Feeder canal downstream the 1st turnout, land development and farm road
-by DGFA with farmers' participation
 - (3) The Study Team agreed to include in the FINAL REPORT the proposed scope of the consulting services required for the Project.
 - (4) The Indonesian side agreed that further comments on the DRAFT FINAL REPORT will be sent to JICA Indonesia Office through DGFA by September 4, 1992.
 - (5) The FINAL REPORT will be submitted to DGFA within two (2) months after receiving the comments.
 - (6) The Indonesian side agreed that the FINAL REPORT can be opened to the public effective immediately after submission.

List of Attendants

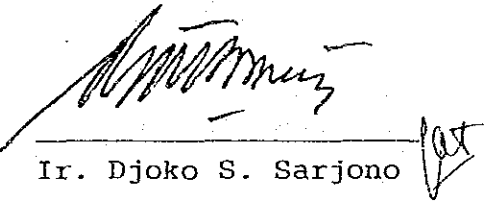
Name	Position	Office
<u>Ministry of Agriculture</u>		
Ir. Muhamad Munawir	Director	Directorate of Land Rehabilitation & Development, DGFC
Daud Berahmana, Bsc.	Head	Sub-Dit. of Water Management, DRLD, DGFC
Machmud Sudarmadji, Bsc.	Section Head	Sub-Dit. of Water Management, DRLD, DGFC
Drs. Amran Samiran, M.S.	Section Head	Sub-Dit. of Land Development, DRLD, DGFC
Sutarna, Bsc.	Head	Sub-Dit. of Food Crops Extension Programme, DGFC
Dr. Ir. Edward Napitupulu	Head	Sub-Dit. of Foreign Aid, Directorate of Food Crops Programme Development, DGFC
Ir. Achmad Fuad	Section Head	Sub-Dit. of Foreign Aid, Directorate of Food Crops Programme Development, DGFC
Suprijadi, MSc.	Section Head	Sub-Dit. of Foreign Aid, Directorate of Food Crops Programme Development, DGFC
Ir. Gayatri Rana	Head	Sub-Division of Western Indonesia, Bureau of Planning
Ir. Pardomuan	Staff	Bureau of Planning
Drh. Nila Widodar	Staff	International Cooperation Bureau
Minobu Horie	JICA Expert	DRLD, DGFC

Continued

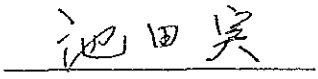
Name	Position	Office
<u>National Development and Planning Bureau</u>		
Ir. Rusnadi Ridwan Msc.	Senior Staff	Agriculture Division, Bureau of Agriculture and Irrigation
Ir. Arif Haryana	Staff	Bureau of Agriculture and Irrigation
Ir. G. Jusuf	Staff	Bureau of Agriculture and Irrigation
Ir. B. Yusuf	Staff	Bureau of Agriculture and Irrigation
Ir. Amor	Staff	Bureau of Agriculture and Irrigation
<u>Ministry of Public Works</u>		
Ir. Sudijono	Staff	Directorate of Planning and Programming (BPP), DGWRD
Toshiki Saito	JICA Expert	BPP, DGWRD
<u>JICA</u>		
S. Hayashi	Leader	Advisory Committee
A. Shimizu	Member	Advisory Committee
K. Shishido	Asst. Residential Representative,	JICA Indonesia
M. Takasu	Staff	JICA Indonesia
T. Nomoto	Team Leader	Study Team
Y. Iseki	Co-Team Leader	Study Team
T. Matsuo	Member	Study Team
<u>Embassy of Japan in Indonesia</u>		
N. Kadoya	First Secretary	

MINUTES OF MEETING
ON
DRAFT FINAL REPORT
FOR
THE ROKAN RIVER BASIN OVERALL IRRIGATION
DEVELOPMENT PLAN STUDY
BETWEEN
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT,
MINISTRY OF PUBLIC WORKS
AND
JAPAN INTERNATIONAL COOPERATION AGENCY

Jakarta,
August 27, 1992


Ir. Djoko S. Sarjono

Director of Directorate
of Planning and


Mr. Minoru IKEDA

Team Leader of
the Study Team, JICA


Mr. Osamu UMEKAWA

Member of Advisory
Committee, JICA

1. JICA has sent the Study Team headed by Mr. Minoru IKEDA for the Rokan River Basin Overall Irrigation Development Plan Study to Indonesia since August 24, 1992. The Study Team submitted thirty(30) copies of the Draft Final Report consisting of four(4) volumes for the study on August 25, 1992. DGWRD and the Study Team together with the Advisory Committee headed by Mr. Osamu UMEKAWA held a meeting and exchanged their views on the Draft Final Report on August 26, 1992.

2. A list of attendants of the meeting is attached as annex.

3. All the contents of the Draft Final Report have been accepted in principle by the Indonesian side. The main items discussed at the meeting are summarized as follows:

- 1) The land development cost and associated cost i.e. cost for strengthening institution of water user's associations shall be included in the project cost.
- 2) The breakdown for local and foreign portions of the project cost shall be revised referring to the OECF's manner.
- 3) Comments on the Draft Final Report which are received by the Team within one month from the date of the meeting shall be reconsidered and incorporated into the Final Report.

4. DGWRD requested the Team to provide the original size of drawings which were attached in the Draft Final Report as many as possible.

5. The Team shall submit the Final Report to DGWRD by the end of October 1992 through JICA.

Annex

List of Attendants

Name	Position	Office
<u>Ministry of Public Works</u>		
Ir. Soenarto	Chief	Sub-Directorate of River Basin Development, Directorate of Planning and Programming, DGWRD
Ir. Ruchyat Kustomi	Section Chief	- Ditto -
Drs. Ch. Nasri	Section Chief	- Ditto -
Harisusanto, ME	Staff	- Ditto -
Ir. Ibrahim A.	Staff	- Ditto -
Ir. Toto K. Prabowo	Staff	Directorate of City Development Planning, DGCK
Ir. Wahono Sudjoko	Staff	Directorate of Swamp, DGWRD
Ir. Ishak Hs	Chief	PU Riau Province
Garwono Winardi, ME	Staff	PU Riau Province
Mr. T. Saito	JICA Expert	Directorate of Planning and Programming, DGWRD
Mr. H. Kudou	JICA Expert	Directorate of Irrigation II, DGWRD
Mr. M. Osaki	JICA Expert	Directorate of Irrigation I, DGWRD
Mr. K. Kamimura	JICA Expert	PUSUDATA, DGWRD
<u>JICA</u>		
Mr. O. Umekawa	Member	Advisory Committee
Mr. K. Jinnai	Member	- Ditto -
Mr. H. Takada	Staff	JICA Indonesia
Mr. Mumun	Staff	- Ditto -
Mr. M. Ikeda	Team Leader	Study Team
Mr. H. Arai	Co-Team Leader	- Ditto -
Mr. Y. Gomyo	Member	- Ditto -
Mr. T. Tamura	Member	- Ditto -

**RECORD OF POLICY MEETING
FOR
THE INTERIM REPORT
ON
THE STUDY FOR FORMULATION OF IRRIGATION DEVELOPMENT
PROGRAM IN THE REPUBLIC OF INDONESIA**

In accordance with the Scope of Work for the captioned study agreed upon between Japan International Cooperation Agency (JICA) and Directorate General of Water Resources Development (DGWRD) of the Ministry of Public Works, the JICA study team prepared and submitted the Interim Report on December 19, 1992 to the Directorate of Planning and Programming (DPP), DGWRD of the Ministry of Public Works taking consideration of comments raised by Technical Study Committee (TSC) member. TSC Meeting was held on November 30, 1992 at DPP.

The Policy Meeting organized by DPP was held for discussing Interim Report on December 21, 1992 at the meeting room in the office of DPP. The meeting started at 9:50 WIB. The attendants of this meeting are listed as per attached.

The meeting was chaired by Ir. Djoko S. Sardjono, Director of Direktorat Bina Program Pengairan. Upon the request by the chairman, Dr. Y. Kunihiro, leader of the study team presented major findings and interim results of this study.

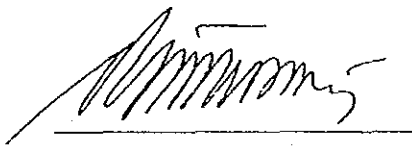
The followings are the main points of discussed and/or suggested matters raised by DGWRD during the meeting.

1. Existing reports and study results should be utilized for this formulation of irrigation development program.
2. Irrigation development policy and strategy towards 2020 will be needed to formulate irrigation development program.
3. Agricultural development policy and production projection should coincide with a conception of the Ministry of Agriculture and other agencies concerned
4. Further irrigation development program should follow the national and regional spatial development plans.
5. Future change in the role of Jawa island for agricultural development should be taken into consideration.
6. The direction of future irrigation development should be focussed on not only paddy irrigation but also on other crops.
7. Irrigation development program should absorb the future possibility to introduce crop diversification
8. Future irrigation program may follow the investment policy and government strategy.

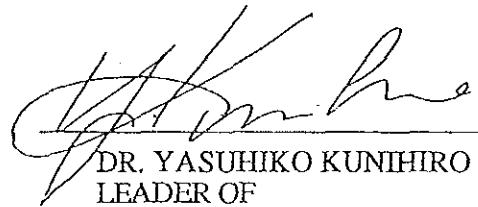
9. In programming, time lag between construction and full functioning of crop production should be considered.
10. Farmer's running out from rural area to the urban area is the problem for agriculture development.
11. Irrigation potential in specific area will need more study and analysis.
12. Terminology of "Non program" should be change by "O & M Program"
13. Basic figure such as population projection, crop production projection etc. would be desired to be coordinated with agencies concerned.

The meeting closed at 12:25 WIB.

SIGNED ON
December 22, 1992

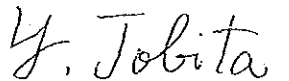


IR. DJOKO S. SARDJONO
DIRECTOR OF PLANNING
AND PROGRAMMING,
DIRECTORATE GENERAL OF
WATER RESOURCES DEVELOPMENT,
MINISTRY OF PUBLIC WORKS



DR. YASUHIKO KUNIHIRO
LEADER OF
THE JICA STUDY TEAM

Seen and approved



MR. YOSHIHIRO TOBITA
LEADER OF JICA
ADVISORY COMMITTEE
TEAM



REPUBLIK INDONESIA
DEPARTEMEN PEKERJAAN UMUM
DIREKTORAT JENDERAL PENGAIRAN

DIREKTORAT BINA PROGRAM PENGAIRAN

JALAN PATTIMURA NO. 20/PERC. 7 TELP. 7397241 - 716065 - 7394811
P.O. BOX 483/JKTM 12701 KEBAYORAN BARU - JAKARTA SELATAN

DAFTAR HADIR

Undangan Rapat : Pembahasan Study FIDEP-JICA (Interim Report)
Meeting Invitation
Hari dan tanggal : Senin, 21 Desember 1992.
Day and Date
Tempat : RS. Dit. Bina Program Pengairan
Place
Pukul : 9.30 WIB
Time
Pimpinan Rapat : Direktur Bina Program Pengairan
Chairman

No.	Nama Name	Instansi Office	Jabatan Occupation	Tanda Tangan Signature
1	Djoko S SARDJONO	DPP		
2	A. Suwandi	DPP		
3	Sunarto	DOI-1		
4	Zainuddin	PCI II		
5	Wahjo Setono	DOL		
6	S. Sugeng	DOI		
7	SUNTORO	DOR		
8	Toshiki SAITO	BPP	(JICA)	
9	Unosuke UEMATSU	DOI-II	JICA Expert	
10	Yoshihiro TUBITA		JICA advisory team	
11	Hiromi MOTOMURA		JICA	
12	Takeshi NOMOTO		JICA FIDP Team	
13	Yasuhiko KUNIHICO	JICA - FIDP Team	LEADER	
14	Akira KOJIMA		Member	
15	Takashi KIMIJIMA		Member	
16	Takuya IGAWA			

17. Pradocli
18. Wangsoho
19. B. Pransmo

BPP
BPP
BPP

Petugas Pengawas Rapat,

MINITUES OF MEETING
FOR
THE DRAFT FINAL REPORT
ON
THE STUDY FOR FORMULATION OF IRRIGATION DEVELOPMENT PROGRAM IN
THE REPUBLIC OF INDONESIA

In accordance with the Scope of Work for the captioned study agreed upon between Japan International Cooperation Agency (JICA) and Directorate General of Water Resources Development (DGWRD) of the Ministry of Public Works, the JICA study team prepared and submitted the Draft Final Report on August 18, 1993 to the Directorate of Planning and Programming (DPP), DGWRD of the Ministry of Public Works taking consideration of comments raised by Policy meeting members. Policy Meeting was held on August 14, 1993 at DPP.

This Meeting for discussing Draft Final Report, organized by DPP was held on August 23, 1993 at the meeting room in the office of DPP. The meeting started at 14:10 WIB. The attendants of this meeting are listed as per attached.

The meeting was chaired by Ir. Djoko S. Sardjono, Director of Direktorat Bina Program Pengairan. Upon the request by the chairman, Dr. Y. Kunihiro, leader of the study team presented final results of this study. The Team received some valuable comments and suggestion and concluded that the Draft Final Report was accepted in general by the DGWRD

The followings are the main points of discussed and/or suggested matters raised by DGWRD during the meeting.

1. Land Potential estimation need consideration of expansion of the urban area in future.
2. Unit cost of land development should be checked.
3. Proposed maintenance system of irrigation development program need involvement of State Ministry of Food Affair.

Adding above technical comments and suggestion, following requests are raised by DGWRD that:

1. Prompt action of "Revision of inventory of existing irrigation schemes" which recommended by the Study Team be made;
2. Allienation of JICA Property as per attached listing equipment which are now used by the Study Team; and
3. Indonesian version of Final Report as well as English version in order to extend this useful information to all provincial offices.

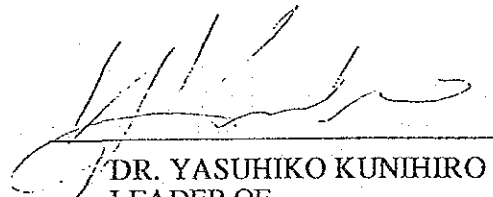
Before closing the meeting, JICA request the DGWRD to prepare the written comments on this Draft Final Report and send Tokyo Head Office through JICA Jakarta representative office for finalization of study results. The written comments should arrive at Tokyo before 30th of September.

The meeting closed at 16:35 WIB.

SIGNED ON
August 26, 1993

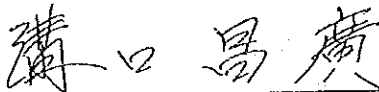


IR. DJOKO S. SARDJONO
DIRECTOR OF PLANNING
AND PROGRAMMING,
DIRECTORATE GENERAL OF
WATER RESOURCES DEVELOPMENT,
MINISTRY OF PUBLIC WORKS



DR. YASUHIKO KUNIHIRO
LEADER OF
THE JICA STUDY TEAM

Seen and approved



MR. Masahiro MIZOGUCHI
LEADER OF JICA
ADVISORY COMMITTEE
TEAM



DIREKTORAT JENDERAL PENGAIRAN
DIREKTORAT BINA PROGRAM PENGAIR.
 JALAN PATTIMURA NO. 20/PERC. 7 TELP. 7397241 - 715665 - 7394911
 P.O. BOX 483JKTM 12701 KEBAYORAN BARU - JAKARTA SELATAN

DAFTAR HADIR

Undangan Rapat : PEMBAHASAN DRAFT FINAL REPORT
Meeting Invitation : STUDY FOR FIDP. BTA-236.
Hari dan tanggal : SENIN, 23 AGUSTUS 1993
Day and Date
Tempat : RS. DIT. BPP
Place
Pukul : 14.00 WIB
Time
Pimpinan Rapat : DIREKTUR BINA PROGRAM PENGAIRAN
Chairman

No.	Nama Name	Instansi Office	Jabatan Occupation	Tanda T Signature
1.	Ir. DJOKO S. SARDJONO	DIT. BPP	DIREKTUR	
2.	S UENARNO	Dit fin I	Di.	
3.	David Tegeh	FAO/UNDP - BPP	TL.	
4.	SOERADJI.	DIT. SUNGALI	CANTER	
5.	B. Poernomo	DIT BPP	PTP	
6.	Supriyana	DIT SUNGALI	Sty entel	
7.	B. Prihono	Dit Sun II	Cantel	
8.	Anton Projadi	Dit. BPI	EP	
9.	SOEDARMA, STS	Dit BPP	ULS	
10.	Purjanto	Dit Sun I	EP	
11.	Yusuf Hidayat	Dit. BPP		
12.	BAMBANG KUSWANTORO.	Dit. BPP	SUBDIT. ABLW SUBSAB. ABLW.	
13.	Prasetyo	Dit BPP	STY	
14.	Utami Kusumo	Dit Sun I	Sty	
15.	S. Sugeng	Dit. Rawan	CANTER	
16.	Dedy Kusmah	DIT. RAWAN	EP	
17.	Agus Solihin.	Ditjen Pertanian Tanaman Pangan, Dit. Bina Program	Bantuan Program dan Profesi	

Petugas Pengawas Rapat,



DIREKTORAT JENDERAL PENGAIRAN

DIREKTORAT BINA PROGRAM PENGAIRAN

JALAN PATTIMURA NO. 20/PERC. 7 TELP. 7397241 - 715665 - 7394911
P.O. BOX 483/JKTM 12701 KEBAYORAN BARU - JAKARTA SELATAN

DAFTAR HADIR

Undangan Rapat : PEMBAHASAN DRAFT FINAL REPORT
Meeting Invitation : STUDY FOR FIDP, BTA-236
Hari dan tanggal : SENIN, 23 AGUSTUS 1993
Day and Date
Tempat : P.S. DIT.BPP
Place
Pukul : 17.00 WIB
Time
Pimpinan Rapat : DIREKTUR BINA PROGRAM PENGAIRAN
Chairman

No.	Nama Name	Instansi Office	Jabatan Occupation	Tanda Tan Signature
18	Takashi NOMOTO	FIDP Team	Irrigation Eng.	T. Nomoto
19	G. Wade	"	Agromet	G. Wade
20	Takuya IGAWA	"	System Eng.	T. Igawa
21	M. NAPITUPULU	DITGASI I	KSD. CANTEK	M. Napitupulu
22	M. MIZOGUCHI	JICA Supervisory Committee	MAFF	M. Mizoguchi
23	M. ISHIKAWA	MAFF	Deputy Director	M. Ishikawa
24	K. MIYAMA	JICA	Deputy Director	K. Miyama
25	Y. KUNIHRO	FIDP Team *	Team Leader	Y. Kunihro
26	A. KOJIMA	"	Univ. Eng.	A. Kojima
27	T. KIMIJIMA	"	Agm-electronic	T. Kimijima

Petugas Pengawas Rapat,

List of Equipment

Description	Product No.	Quantity
Canon Photocopy Machine	NP 2020	1
IBM PC compatible computer with keyboard and display		2
Dot Matrix Printer	Epson LQ-1170	2
Stabilizer		2
Uninterrupted power supply (UPS)		2
<u>Computer Software</u>		
MS-DOS Ver. 5.0		2
Wordperfect Ver.5.1		2
MS-Windows Ver.3.1		2
Lotus 1-2-3 r.2.3		2
dBase IV Ver. 1.1		2
Turbo Pascal Ver. 6.0		2

MINUTES OF CONSULTATIVE MEETING
FOR
THE INCEPTION REPORT
ON
THE STUDY
FOR
THE EMBUNG DEVELOPMENT PROJECT
(SMALL SCALE IMPOUNDING POND DEVELOPMENT PROJECT)
IN
EAST NUSA TENGGARA AND WEST NUSA TENGGARA

In accordance with the Scope of Work for the captioned study (the Study) agreed upon between Japan International Cooperation Agency (JICA) and Directorate General of Water Resources Development (DGWRD) of the Ministry of Public Works, the JICA study team prepared and submitted the Inception Report on February 4, 1994 to the Directorate of Irrigation II (DOI-II) of the DGWRD.

The Consultative Meeting organized by DOI-II was held on February 7, 1994 at the meeting room in the office of DOI-II (7th floor) at 9:30 a.m. WIB with attendance of JICA advisory committee team (Mr.M.Mizuno, Leader, and Mr.K.Matsumoto, Coordinator). The other attendants of the meeting are as per attached.

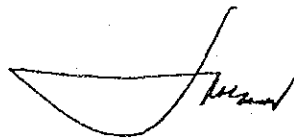
The meeting was opened by Mr.M.Subianto, Chief of Sub.Dit.EP DOI-II, and chaired by IR.Soenarno MSC, C.T.Director of DOI-II. Upon the request by Mr.M.Subianto, Dr.Y.Kunihiro, Leader of the study team, after introducing team member, explained the contents of the Inception Report. The Inception Report was basically accepted by the Indonesian side.

The following are main items suggested and informed by the Indonesian side during the meeting.

1. Executing agency for the Study is DOI-II.
2. The transfer of technology to the Indonesian counterpart personnel should be carried out at the site by the study team during the period of study.
3. DGWRD basically agree that Steering Committee for the Project should be organized by the concerned Ministries and Agencies. However, the study team should not expect to be organized the committee immediately. The committee will be organized by DGWRD when it will be required in future stage. DGWRD will coordinate the other concerned Ministries and Agencies time to time as required during the period of study.

4. The Study should be carried out into deep considerations what the villagers in NTT and NTB needs. Needs of villagers should be fully reflected to the development of the Embung.
5. The Study should be executed considering what the villagers have to do after construction in the operation and maintenance of the Embung.
6. As Embung development for domestic use is mainly for the basic human needs of the villagers in the project area, therefore the economic consideration will not be the basic one.
7. The Embung for agricultural use should be developed not only for paddy but also for other crops.
8. DGWRD will prepare the A2-3 form as soon as possible for the training of counterpart personnel in Japan.
9. The study team with JICA advisory committee team will leave Jakarta to Kupang (NTT) accompanied by Mr.S.Soekirno, Chief of Design and Planning DOI-II, for a short field observation visit on February 8,1994.

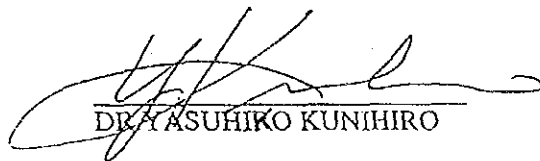
The meeting closed at 12:00 WIB.



IR.SOENARNO MSC

C.T.DIRECTOR OF IRRIGATION II,
DIRECTORATE GENERAL OF
WATER RESOURCES DEVELOPMENT,
MINISTRY OF PUBLIC WORKS

SIGNED ON
FEBRUARY 11 1994



DR. YASUHIRO KUNIHIRO

LEADER OF
THE JICA STUDY TEAM

WITNESS



MR. MASAMI MIZUNO

LEADER OF JICA
ADVISORY COMMITTEE TEAM

LIST OF ATTENDANTS

INDONESIAN SIDE

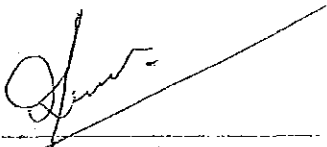
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|----|-----------------|---|
| 1. | IR.SOENARNO MSC | DIRECTOR, DOI-I
C.T.DIRECTOR, DOI-II |
| 2. | M.SUBIANTO | CHIEF OF SUB.DIT., EP, DOI-II |
| 3. | S.SOEKIRNO | CHIEF OF IRR.&PLANN., DOI-II |
| 4. | SYAMSUDDIN M | SUB.DIT. OM, DOI-II |
| 5. | SARWEDI | ABLN, DOI-II |
| 6. | CHR NGAJIONO | STAFF DIT., BPP |
| 7. | H.KUDO | JICA EXPERT, DOI-II, PAT |
| 8. | T.SAITO | JICA EXPERT, PPD, BPP |

JAPANESE SIDE

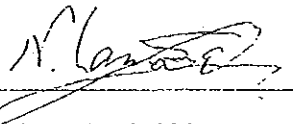
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|----|-------------|--|
| 1. | M.MIZUNO | LEADER, JICA ADVISORY
COMITTEE TEAM |
| 2. | K.MATSUMOTO | COORDINATOR, JICA ADVISORY
COMMITTEE TEAM |
| 3. | Y.KUNIHIRO | LEADER, JICA STUDY TEAM |
| 4. | K.NAITO | CO-LEADER, JICA STUDY TEAM |
| 5. | T.IGAWA | MEMBER, JICA STUDY TEAM |

MINUTES OF DISCUSSION
ON
DRAFT FINAL REPORT
FOR
THE MASTER PLAN STUDY
ON
THE INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT
IN SAVANNAKHET PROVINCE
IN
THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
AGREED UPON BETWEEN
MINISTRY OF AGRICULTURE AND FORESTRY
OF THE LAO PEOPLE'S DEMOCRATIC REPUBLIC
AND
THE JAPAN INTERNATIONAL COOPERATION AGENCY

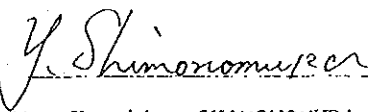
June 3, 1992
Vientiane, Laos



Mr. Aiem THAVONSOUK
Deputy Director of Cabinet,
Ministry of Agriculture and
Forestry



Mr. Narumi YAMADA
Leader of
Master plan Study Team,
JICA



Mr. Yasuhiro SHIMONOMURA
Leader of
Advisory Mission, JICA

In accordance with the Scope of Work for the Master Plan on the Integrated Agricultural Rural Development Project in Savannakhet Province (hereinafter referred to as 'the Study') signed by the Government of the Lao People's Democratic Republic (hereinafter referred to as 'the Government') and the Japan, the Japanese Study Team headed by Mr. Narumi YAMADA conducted the Study starting in November 1990. As a result of the study in the Phase1 and Phase2, the Draft Final Report has been prepared for the consideration and analysis by the Government.

The Study Team submitted and explained the Draft Final Report, under an attendance of the JICA Advisory Mission headed by Mr. Yasuhiro SHIMONOMURA, to the Government on June 1, 1992 at the presence of the Lao officials concerned headed by Mr. Alou THAVONSOUK, Deputy Director of Cabinet, Ministry of Agriculture and Forestry, and an exchange of opinions on the Report was made between the Lao side and the Study Team on the same day.

As a consequence of the said explanation and an exchange of opinions, it has been agreed upon between the Lao side and the Japanese Study Team as follows:

1. The Government received from the Study Team twenty (20) copies of the Draft Final Report.
2. The Government has agreed with the contents of the Draft Final Report.
3. The Government will send comments on the Report within one (1) month from the reception of the Report.

The list of attendants is attached in Annex 1.

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NY, YS

Annex 1

LIST OF ATTENDANTS

1. Ministry of Agriculture and Forestry

- 1) Mr. Alom THAVONSOUK Deputy Director of Cabinet,
Ministry of Agriculture and Forestry (MAF)
- 2) Mr. Soukaseum BODHISANE Vice Governor,
Director of Agricultural and Forestry Services,
Savannakhet Province
- 3) Mr. Latsanisang AMARATHITHANA
Deputy Director of Agricultural and Extension
Department, MAF
- 4) Mr. Somchithi THONGPANHUEUANGSY
Irrigation Department, MAF

2. Embassy of Japan

- 1) Mr. Kiyoshi OMAMEUDA Second Secretary, Embassy of Japan

3. JICA Advisory Mission

- 1) Mr. Yasuhiro SHIMONOMURA Leader of JICA Advisory Mission
- 2) Mr. Shizuo HIROSHIGE JICA Advisory Mission

4. JICA Study Team

- 1) Mr. Narumi YAMADA Leader of JICA Study Team
- 2) Mr. Kensuke SAKATO JICA Study Team
- 3) Mr. Shigekazu FUJISAWA JICA Study Team

91

N.Y. JS

MINUTES OF MEETING
ON
THE PROGRESS REPORT (I)
FOR
THE MASTER PLAN STUDY
ON
THE AGRICULTURAL DEVELOPMENT PROJECT
TO CONTROL SLASH AND BURN CULTIVATION
IN
THE OUDOMXAY PROVINCE


BETWEEN

MINISTRY OF AGRICULTURE AND FORESTRY
OF THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

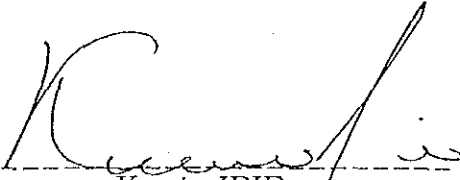
AND

THE MASTER PLAN STUDY TEAM
(JAPAN INTERNATIONAL COOPERATION AGENCY)

VIENTIANE
JUNE 6, 1992



Alom THAVONSOUK
Deputy Director,
Cabinet of Ministry of
Agriculture and Forestry



Kunio IRIE
Leader,
Master Plan Study Team,
JICA

Subject : Progress Report (I) presentation meeting
Date and Time : 10:00 - 12:00, June 4, 1992
Place : Conference Room, Ministry of Agriculture and Forestry, LPDR

In accordance with the Scope of Work for the Master Plan Study on the Agricultural Development Project to Control Slash and Burn Cultivation in the Oudomxay Province (hereinafter referred to as the Study), the Government of Japan dispatched through Japan International Cooperation Agency (hereinafter referred to as JICA) the Study Team headed by Mr. Kunio IRIE to the Lao People's Democratic Republic (hereinafter referred to as LPDR).

The Study Team carried out the Phase I Field Work in LPDR and prepared the Progress Report (I). The Study Team submitted twenty (20) copies of the Progress Report (I), and explained the results of the study and the basic development concepts for the Master Plan Study at the presence of the Government of LPDR represented by Deputy Director of Cabinet of Ministry of Agriculture and Forestry. Both sides discussed and exchanged views on the further study based on the presented Progress Report (I).

The following minutes were prepared to confirm the main issues discussed and matters agreed upon by both sides.

- (1) The LPDR side accepted the contents of the Progress Report (I) prepared in due compliance with the conditions as set forth in the Scope of Work;
- (2) The LPDR side requested the Study team to consider physical infrastructure (agricultural station, etc.) development for planning agricultural extension services; and
- (3) The LPDR side suggested the Study Team to formulate a livestock development plan which will be possible to avoid conflicting between crop farming and livestock raising especially in the dry season.

In addition, the Study Team recommended to dispatch Mr. Anusin MAHNEE (Chief Counterpart) for a technical training by JICA during the period for preparation of Interim Report by the Study Team in Japan from beginning of September 1992. The Lao side will consider and take quick action for this aspect.

9

R. Irie

LIST OF PARTICIPANTS

<u>Name</u>	<u>Position and Institution</u>
LPDR side:	
Alom THAVONSOUK	Deputy Director of Cabinet, Ministry of Agriculture and Forestry
Shingkhram PHONVISAY	Director, Department of Livestock & Veterinary Services, Ministry of Agriculture and Forestry
Anonth KHAMHUNG	Deputy Director, Department of Agriculture & Extension, Ministry of Agriculture and Forestry
Bounthanh PHILACHANH	Engineer, National Office of Environmental Protection, Ministry of Agriculture and Forestry
Khamphet SENGCHANOUDOM	Engineer, National Office of Environmental Protection, Ministry of Agriculture and Forestry
Anusin MAHNEE	Chief Counterpart/Engineer, Forest & Watershed Management, National Office of Environmental Protection, Ministry of Agriculture and Forestry
Phonedeth SISAATH	Counterpart/Engineer, Forest & Watershed Management, National Office of Environmental Protection, Ministry of Agriculture and Forestry
Boungnong THONGMALAYVONG	Counterpart/Agro-economy, Forest & Watershed Management, National Office of Environmental Protection, Ministry of Agriculture and Forestry
Study Team side:	
Kunio IRIE	Team Leader/Irrigation & Drainage Engineer
Akio MAEDA	Co-team Leader/Agro-economist
Johji MISHIMA	Agronomist
Kazuyuki SHIMAZAKI	Agricultural Infrastructure Expert
Shin-ichi ETOH	Hydrologist/Structural Engineer
Yuichi KITAMURA	Survey Engineer
Yojiro SEKIGUCHI	Project Economist/Environmental Expert

9/



MINUTES OF MEETING
ON
THE INTERIM REPORT
FOR
THE MASTER PLAN STUDY
ON
THE AGRICULTURAL DEVELOPMENT PROJECT
TO CONTROL SLASH AND BURN CULTIVATION
IN
OUDOMXAY PROVINCE
IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

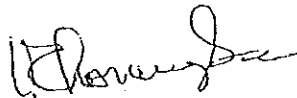
BETWEEN

MINISTRY OF AGRICULTURE AND FORESTRY
OF THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

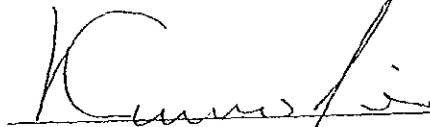
AND

THE MASTER PLAN STUDY TEAM
JAPAN INTERNATIONAL
COOPERATION AGENCY(JICA)

VIENTIANE
OCTOBER 22, 1992



Vanthong TOLAVONGSA
Deputy-Chief of International Division
Cabinet of Ministry of Agriculture
and Forestry



Kunio Irie
Leader,
Master Plan Study Team,
Japan International
Cooperation Agency(JICA)



Osamu Tsuji
Leader,
Advisory Team,
Japan International
Cooperation Agency(JICA)

In accordance with the Scope of Work for the Master Plan Study on the Agricultural Development Project to Control Slash and Burn Cultivation in the Oudomxay Province (hereinafter referred to as the Study), the Government of Japan dispatched through Japan International Cooperation Agency (hereinafter referred to as JICA) the Study Team headed by Mr. Kunio Irie to the Lao People's Democratic Republic (hereinafter referred to as LPDR).

The Study Team carried out the Phase I Field Work in LPDR from the middle of March to the middle of June, 1992, and the Phase I Office Work in Japan from the middle of August to the middle of October. The results of the Phase I Study were compiled into the Interim Report. At the commencement of the Phase II Study, the Study Team submitted twenty (20) copies of the Interim Report and explained the results of the Phase I Study, the basic development concepts, the major action plans to be included in the Master Plan and the plan of operation for the Phase II Study Work at the presence of the Government of LPDR represented by Deputy Chief of International Cooperation, Cabinet of the Ministry of Agriculture and Forestry. Both sides discussed and exchanged views on the further study based on the Interim Report.

The following minutes were prepared to confirm the main issues discussed and matters agreed upon by both sides.

1. The LPDR side accepted the contents of the Interim Report prepared in due compliance with the conditions as set forth in the Scope of Work.
2. The LPDR side requested the Study Team to study the potential of small-scale hydropower development in the study area. The Study Team agreed to carry out the requested study in connection with the irrigation development.
3. The LPDR side requested the Study Team to consider the reforestation component in carrying out the Study. The Study Team will make efforts to include technical suggestions on this matter in the Final Report.
4. The LPDR side suggested the Study Team to apply a bottom-up approach to formulation of the development plan. The Study Team will make efforts to apply the suggested approach.

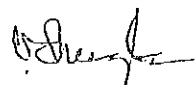
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LIST OF PARTICIPANTS

Subject : Interim Study Report presentation meeting
 Date and Time: 15:00 - 17:00-----October 22, 1992
 Place : Conference Room, Ministry of Agriculture and Forestry,
 Lao PDR

<u>Name</u>	<u>Position and Institution</u>
<u>LPDR side:</u>	
Vanhthong Thoravongsa	Deputy Cheif, International Relation Division, Office of Cabinet of Ministry of Agriculture and Forestry
Bounthong Xaisida	Deputy Director general, Department of Forestry, Ministry of Agriculture and Forestry
Noukone Simmavong	Director, National Office of Environment Protection, Ministry of Agriculture and Forestry
Anusin Mahnee	Natioanl Office of Environment Protection, Ministry of Agriculture and Forestry
Bounthanh Philachanh	Natioanl Office of Environment Protection, Ministry of Agriculture and Forestry
Kham Sanatem	Assistant Deputy Director, Department of Agriculutre and Extension, Ministry of Agriculture and Forestry
Soulivanthong Kingkeo	Deputy Director, Division of Planning, Finance and Cooperation, Department of Livestock and Veterinary, Ministry of Agriculture and Forestry
Phetsavong Boupha	Deputy Director, Irrigation and Micro-hydropower Department, Ministry of Agriculture and Forestry
Vilakon Vorasane	Irrigation and Micro-hydropower Department, Ministry of Agriculture and Forestry
<u>Japan side:</u>	
Osamu Tsuji	Leader, Advisory Team
Makoto Inoue	Member of Advisory Team
Yoshimi Katsumata	Member of Advisory Team
Kunio Irie	Leader/Irrigation and drainage engineer of the Study Team
Akio Maeda	Co-leader/Agro-economist of the Study Team
Kazuyuki Shimazaki	Agriculture Infrastructure Engineer of the Study Team
Shinichi Eto	Meteo-Hydrology engineer of the Studv Team





MINUTES OF MEETING
ON
THE PROGRESS REPORT NO. 2
FOR
THE MASTER PLAN STUDY
ON
THE AGRICULTURAL DEVELOPMENT PROJECT
TO CONTROL SLASH AND BURN CULTIVATION
IN
OUDOMXAY PROVINCE
IN THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

BETWEEN

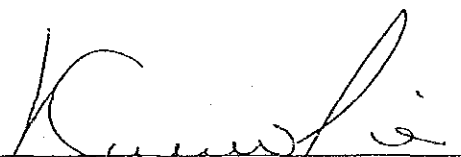
MINISTRY OF AGRICULTURE AND FORESTRY
OF THE LAO PEOPLE'S DEMOCRATIC REPUBLIC

AND

THE MASTER PLAN STUDY TEAM
JAPAN INTERNATIONAL COOPERATION AGENCY(JICA)



Alom Thavonsouk
Deputy Director,
Cabinet of Ministry of Agriculture
and Forestry



Kunio Irie
Leader,
Master Plan Study Team,
Japan International Cooperation Agency (JICA)

In accordance with the Scope of Work for the Master Plan Study on the Agricultural Development Project to Control Slash and Burn Cultivation in the Oudomxay Province (hereinafter referred to as the Study), the Government of Japan dispatched through Japan International Cooperation Agency (hereinafter referred to as JICA) the Study Team headed by Mr. Kunio Irie to the Lao People's Democratic Republic (hereinafter referred to as LPDR).

The Study Team carried out the Phase II Field Work in LPDR from the middle of October to the end of December, 1992. The results of the Phase II Field Work were compiled into the Progress Report No. 2. At the end of the Phase II Field Work, the Study Team submitted twenty (20) copies of the Progress Report No. 2 and explained the results of the Phase II Field Work, the present condition of model areas and the field study on agricultural development in each model area at the presence of the Government of LPDR represented by Deputy Chief, International Cooperation Division, Cabinet of the Ministry of Agriculture and Forestry. Both sides discussed and exchanged views on the further study based on the Progress Report No. 2.

The following minutes were prepared to confirm the main issues discussed and matters agreed upon by both sides.

1. The LPDR side accepted the contents of the Progress Report No. 2 prepared in due compliance with the conditions as set forth in the Scope of Work.
2. The LPDR side requested the Study Team to study the potential of small-scale dam irrigation development in Hun model area based on the topographic map to be prepared by provincial office. The Study Team agreed to carry out the requested study during the Phase II Home Work in Japan.
3. The LPDR side asked the Study Team to pay the consideration for more participation of Department of Irrigation in the next stage in connection with implementation of the Model Areas.
4. The Study Team requested the LPDR side to take care of the vehicles and equipment as listed in Attachment-2, which will be handed over to the LPDR, by the end of the Master Plan Study. The LPDR side accepted in this matter.
5. The LPDR side requested the Study Team to provide a new battery charger for total station because the battery charger is out of order. The Study Team accepted to transfer of this matter with JICA head office.

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LIST OF PARTICIPANTS

Subject : Progress Report No. 2 presentation meeting
 Date and Time : 9:00 - 11:00-----December 23, 1992
 Place : Conference Room, Ministry of Agriculture and Forestry, LPDR

<u>Name</u>	<u>Position and Institution</u>
<u>LPDR side:</u>	
Nitharath Somsanith	Deputy Chief, International Cooperation Division, Cabinet of Ministry of Agriculture and Forestry
Langsy Sayvixit	Director, Department of Irrigation and Micro-hydropower, Ministry of Agriculture and Forestry
Somlith Sayghaphon	Chief of Planning, Finance and Cooperation Division, Department of Irrigation and Micro-hydropower, Ministry of Agriculture and Forestry
Bounnheme Sinaradsvong	Assistant Chief of International Cooperation Division Agricultural Department, Ministry of Agriculture and Forestry
Anusin Mahnee	Engineer, Forestry and Environment Department, Ministry of Agriculture and Forestry
Somphanh Chanphenexay	Planning Officer, Department of Livestock and Veterinary, Ministry of Agriculture and Forestry
<u>Study Team:</u>	
Kunio Irie	Leader/Irrigation and Drainage Engineer
Akio Maeda	Co-team Leader/Agro-economist
Kisaku Yamada	Agronomist
Kazuyuki Shimazaki	Agriculture Infrastructure Expert
Shinichi Eto	Meteo-Hydrology Engineer
Yojiro Sekiguchi	Environmental Expert/Project Economist

List of Survey Equipment Handed Over to MAF, Lao PDR
(Oudomxay Agricultural Development Project)

Item	Specification	Maker	Quantity
(1) Vehicles			
1 Land Cruiser	Station Wagon (Gasoline)	TOYOTA	1 no.
2 Pick-up	Hilux, double-cab (Gasoline)	TOYOTA	2 nos.
3 Spare-parts	For above 3 vehicles	TOYOTA	1 set
(2) Survey Equipments			
1 Water-level recorder	ADR-115 (5m)	IKEDA KEIKI	1 no.
2 Rain-recorder	No.113-B Long Terms Rain Gage	OTA SEIKI	1 no.
3 Digital Current Meter	UC-3	TAMAYA	1 no.
4 Staff gage	Steel, 1m		2 nos.
5 Topographic Survey Equipments			
- Total station	SOKKIA SET3C	SOKKIA	1 no.
- Battery charger	220V,CDC-15	SOKKIA	1 set
- Reflector prism	APS-12	SOKKIA	2 nos.
- Tripods	Metal, PFA-1	SOKKIA	2 nos.
- Tripods	Wooden, PFW-1	SOKKIA	1 no.
- Slide pole w/rot level	AP-61 and AP-61L	SOKKIA	2 set
- Card reader set	SCR-1	SOKKIA	1 set
- Plane Table			1 set
- Metal Alidade			1 set
- Measuring tape*	Esilon 100m	SEKISUI	2 nos.
- Ranging pole	2m, 2 section		5 nos.
- Aluminium staff**	SUM-53 (5m, 3 section)	MYZOX	3 nos.
6 Generator			
	GA3600 (Gasoline 3.2kW)	DENYO	1 no.
	Gasoline, 3.5HP, 1.5KVA, 220V	HONDA	1 no.
7 Photo Copy Machine			
	FC-2	CANON	1 no.
	PC-11	CANON	1 no.
8 Voltage Stabilizer			
	Digital control, STAC-1EYH	YAMABISHI DENKI	1 no.

Note * Out of 3 nos., 1 no. has broken during survey.

** Out of 4 nos., 1 no. has broken during survey.

MINUTES OF STEERING COMMITTEE MEETING
ON THE INCEPTION REPORT FOR
THE FEASIBILITY STUDY ON
SMALL RESERVOIR DEVELOPMENT IN PENINSULAR MALAYSIA

AGREED UPON BETWEEN

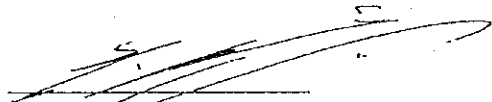
THE ECONOMIC PLANNING UNIT,
THE PRIME MINISTER'S DEPARTMENT,

ON BEHALF OF THE GOVERNMENT OF MALAYSIA

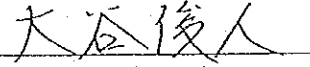
AND

THE JAPAN INTERNATIONAL COOPERATION AGENCY

KUALA LUMPUR, 27 AUGUST 1993

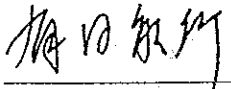


Abd Bakir bin Hj. Zin
Principal Assistant Director,
Agriculture Section,
The Economic Planning Unit,
on behalf of
the Government of Malaysia.



Toshihito Ohtani
Leader, JICA Study Team.

Witnessed by:



Toshiyuki Arita
Japan International Cooperation Agency
Malaysia Office

1. Objective of the Meeting

The meeting was convened to discuss the Inception Report of the Feasibility Study on Small Reservoir Development in Peninsular Malaysia prepared by JICA Study Team.

2. Attendance

The list of attendance is as shown in Annex 1.

3. Welcome remarks by Chairman of Steering Committee

The Chairman of the Steering Committee welcomed members of the JICA Study Team and the Representative of JICA Malaysia Office and introduced members of the Steering Committee. He then invited Mr. Ohtani, the JICA Study Team Leader to give his opening remarks and brief the committee on the contents of the Inception Report.

4. Briefing by JICA Study Team Leader

Mr. Ohtani, the JICA Team Leader, expressed his views on the importance and usefulness of this Study in developing and sustaining agriculture in Malaysia. He then proceeded to brief the meeting on the scope, approach and methodology that the Study Team will adopt to achieve the objectives of the Study. The Study will be carried out over 20 months in 2 phases. Phase I will concentrate on the preparation of potential sites for small reservoirs, categorization of those sites and to select pilot schemes. Phase II will focus on the feasibility study on the selected pilot projects, preparation of the planning and design guidelines as well as the final report of the Study.

5. Briefing by Chairman of the Technical Committee.

Ir. Shanmuganathan, the Chairman of the Technical Committee for this Study informed the meeting that the Committee met and discussed the technical aspects of the Inception Report on 26 August 1993. He explained to the meeting that the Technical Committee agreed in principle with the Inception Report.

6. Discussion

The following points were discussed and agreed:-

- a) The Chairman inquired whether the small reservoirs identified will include those for other non-agriculture purposes. In response, the Study Team Leader explained that at the Phase I stage, all the potential sites identified will be subsequently categorised by their potential usage such as irrigation, domestic water supply, recreation and tourism etc.
- b) The definition of small reservoir was discussed. The Study Team Leader informed the meeting that this definition will be developed in the course of the Study when basic data and information have been collected and analysed. He added that environmental aspects of the development will be given special emphasis in this Study.
- c) The representative of the Ministry of Agriculture (MOA) advised the meeting that the Study objective should be in line with the National Agriculture Policy (1992-2010). He also added that in the development of the small reservoirs, aspects of landscaping and beautification as well as the potential of agro-tourism should be seriously considered.
- d) The JICA Team Leader explained that in formulating priority ranking for the developing small reservoirs, the criteria will not be based solely on financial viability alone. Other aspects especially with regards to socio-economic improvements of the rural community will be given high consideration.
- e) In the execution of the Study, the Study Team members suggested that close inter-action with all personnel concerned be maintained and that weekly meetings be held with the DID officers directly in-charge of the Study.
- f) For the transfer of technology, a workshop on planning, design and operation and maintenance of small reservoirs will be held for engineers. A National Seminar for policy makers and implementors as well as the private sector will also be organised to disseminate the results and findings of this Study. JICA also invited DID to nominate counterpart personnel for appropriate training in Japan under this Study.
- g) In general, the Steering Committee accepted, in principle, the proposals forwarded in the Inception Report.

7. **Closing remarks**

The Chairman in his closing remarks expressed his thanks to all those present and wish all parties involved every success in carrying out the Study.

The meeting was adjourned at 11:00 am.

List of Attendance

Malaysian side

- | | | | |
|----|-------------------------|--|----------|
| 1. | Mr. Abd Bakir Hj. Zin | Principal Assistant Director,
Agriculture Section,
Economic Planning Unit,
Prime Minister's Department. | Chairman |
| 2. | Mr. Koshy Thomas | Ministry of Agriculture | |
| 3. | Mr. M.Shanmuganathan | Director of Irrigation,
Drainage and Irrigation Department. | |
| 4. | Mr. Chan Choong Cheong | Deputy Director of Irrigation,
Drainage and Irrigation Department. | |
| 5. | Mr. Mohd Adnan Mohd Nor | Senior Engineer,
Drainage and Irrigation Department. | |
| 6. | Mr. Badaruddin Mahyudin | Economic Planning Unit,
Prime Minister's Department. | |

Study Team

- | | | |
|----|-----------------------|-------------|
| 1. | Mr. Toshihito Ohtani | Team Leader |
| 2. | Mr. Nobuo Sambe | |
| 3. | Mr. Masayoshi Shibata | |
| 4. | Mr. Shoichiro Ban | |

JICA Malaysia Office

- | | |
|----|---------------------|
| 1. | Mr. Toshiyuki Arita |
|----|---------------------|

The Feasibility Study
on
Small Reservoir Development
in
Peninsular Malaysia

Minutes of Technical Committee Meeting 1/93

Venue : Bilik Gerakan,
Dept. of Irrigation and
Drainage, Malaysia.

Date : 26 Aug 1993

Time : 10:00 - 11:45 am

1. Attendance is as per annex I.
2. Welcome address by Chairman of Technical Committee:

Mr. Shanmuganathan, the Director of Irrigation Division, DID, as Chairman of the Technical Committee welcomed the Study Team and representative JICA Malaysia and introduced members of the Technical Committee. He explained that the purpose of this meeting was to discuss the Inception Report prepared by the JICA Study Team. He then invited Mr. Ohtani, the Study Team Leader to present the Inception Report.

3. Presentation of Inception Report by Study Team Leader

Mr. Ohtani introduced members of his Study Team and the JICA Malaysia representative and proceeded to explain in detail the inception report. He explained that this report was prepared in accordance with the Minutes of Meeting and the Scope of Works agreed between the Governments of Japan and Malaysia signed on 16 February 1993.

The aspects presented included the Study background and objectives and the scope. The detailed work plan which included the basic approach and implementation details of the Study was also briefed.

4. Discussion

The Chairman thanked the Study Team Leader for the detailed briefing and subsequently the meeting discussed and agreed on the following points:-

- a) Although the focus of the Study will be on reservoir for irrigation purpose, at the preliminary identification of potential sites should include reservoirs for other purposes as well and inventorised so that it can be useful source of information for other agencies such as Public Works

Department, Water Supply Authorities, Fisheries Dept. etc.

- b) The various forms of small reservoirs should include the use of existing lakes where possible.
- c) The DID State coordinators have been appointed to assist the the Study Team in data and information collection in their respective States. A meeting will be called in early September to explain the concept of this Study and their expected roles and where possible to start preparatory works. Once the Study Team has finalised the questionnaires, another meeting will be held with the coordinators on 14 Oct 1993 for detailed explanation and implementation of data collection phase.
- d) For the appointment of local consultant to assist the study team, the Team Leader requested DID to provide a list of suitable local consultancy firms for their consideration and appointment.
- e) The type of software for database and information storage and retrieval will be decided in the course of the study. The system selected should be one that the DID technicians are already familiar with.
- f) For the selection of the 5 sites for detailed feasibility study, the Study Team is requested to shortlist at least 1 potential site in each State for the consideration of the Government of Malaysia. The Government of Malaysia will recommend which of these should be selected as the final 5 sites so that they can also be considered for implementation.
- g) The Study Team clarified that there will be one workshop for Engineers regarding the use of the guidelines for the planning, design and O&M of Small Reservoirs.
- h) There will also be a National Seminar at the end of this Study to disseminate the results of this study to policy makers and implementors at the end of the Study.
- i) The Technical Committee informed the Study Team that the study should not be biased towards irrigated paddy areas identified in the Rationalisation and Feasibility Study on Crop Diversification in non-Grainy Irrigated Areas in Malaysia undertaken by JICA in 1989. Other areas outside paddy such as those identified for commercial orchards and other agriculture development should equally be considered.
- j) The DID will provide all assistance necessary for the smooth implementation of the Study. The details of the site survey works on the potential sites will have to be established and funding source and manpower will be discussed in detail later.

Technical Committee Meeting 1/93
List of Attendance

Malaysian Side

- | | | | |
|-----|---------------------------|---|----------|
| 1. | Ir. M. Shanmuganathan | Director,
Irrigation Div. DID. | Chairman |
| 2. | Ir. Chan Choong Cheong | Dep. Director,
Irrigation Div. DID. | |
| 3. | Dr. Azizan Asmuni | Planning and Evaluation Div.
Department of Agriculture | |
| 4. | Mr. Ahmad b. Ibrahim | Mapping Division,
Survey Department & Mapping | |
| 5. | Ir. Ferng Meow Chong | Director Technical Division | |
| 6. | Ir. Ooi Choon Aun | DID Director of Planning & Evaluation | |
| 7. | Ir. Tan Swee Kee | DID Chief Engineer Research Branch | |
| 8. | Ir. Mohd. Adnan Mohd. Nor | DID Senior Engineer
Irrigation Div. | |
| 9. | Ir. Mansor bin Bechik | DID River Engineering Div. | |
| 10. | Ir. Roslan bin Sahat | DID Engineer Hydrology Branch | |

Study Team

- | | | |
|----|------------------------|-------------------|
| 1. | Mr. Toshiyaki Ohtani | Team Leader |
| 2. | Mr. Nobuo Sambe | Meteo-Hydrologist |
| 3. | Mr. Masayochi Shi bata | Meteo-Hydrologist |
| 4. | Mr. Shoichiro Ban | Design Engineer |

JICA Malaysia

- | | | |
|----|---------------------|----------|
| 1. | Mr. Toshiyuki Arita | JICA KL. |
|----|---------------------|----------|

Technical Committee Meeting 1/93
List of Attendance

Malaysian Side

- | | | | |
|-----|---------------------------|---|----------|
| 1. | Ir. M. Shanmuganathan | Director,
Irrigation Div. DID. | Chairman |
| 2. | Ir. Chan Choong Cheong | Dep. Director,
Irrigation Div. DID. | |
| 3. | Dr. Azizan Asmuni | Planning and Evaluation Div.
Department of Agriculture | |
| 4. | Mr. Ahmad b. Ibrahim | Mapping Division,
Survey Department & Mapping | |
| 5. | Ir. Ferng Meow Chong | Director Technical Division | |
| 6. | Ir. Ooi Choon Aun | DID Director of Planning & Evaluation | |
| 7. | Ir. Tan Swee Kee | DID Chief Engineer Research Branch | |
| 8. | Ir. Mohd. Adnan Mohd. Nor | DID Senior Engineer
Irrigation Div. | |
| 9. | Ir. Mansor bin Bechik | DID River Engineering Div. | |
| 10. | Ir. Roslan bin Sahat | DID Engineer Hydrology Branch | |

Study Team

- | | | |
|----|------------------------|-------------------|
| 1. | Mr. Toshiyuki Ohtani | Team Leader |
| 2. | Mr. Nobuo Sambe | Meteo-Hydrologist |
| 3. | Mr. Masayochi Shi bata | Mateo-Hydrologist |
| 4. | Mr. Shoichiro Ban | Design Engineer |

JICA Malaysia

- | | | |
|----|---------------------|----------|
| 1. | Mr. Toshiyuki Arita | JICA KL. |
|----|---------------------|----------|

MINUTES OF MEETING
ON
INTERIM REPORT
FOR
MASTER PLAN STUDY
ON

THE TERAI GROUNDWATER RESOURCES EVALUATION AND DEVELOPMENT PROJECT
FOR IRRIGATION

The Study Team for the Master Plan on the Terai Groundwater Resources Evaluation and Development Project for Irrigation (hereinafter referred to as "the Study") organized and dispatched by Japan International Cooperation Agency (hereinafter abbreviated to as "JICA"), led by Mr. M. Yoshikawa prepared the Interim Report summarizing the results obtained through the Phase-One Study; and submitted the report through JICA to the Department of Irrigation (hereinafter abbreviated to as "DOI"), the Ministry of Water Resources (hereinafter abbreviated to as "MOWR"), His Majesty's Government of Nepal (hereinafter abbreviated to as "HMGN").

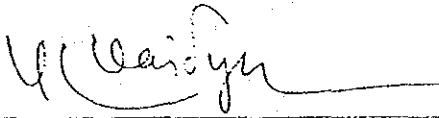
JICA dispatched the Study Team from May 24 to June 13, 1992 to explain and discuss the contents of Interim Report and the schedule of Phase-Two Study; and to make the contract for drilling works of observatory wells with the selected drilling firms in Nepal.

The Study Team made a series of explanation to and discussion with the delegation of DOI headed by Mr. Y. L. Vaidya, Acting Director General, on the said subjects. The participants in the discussion meeting held at DOI Headquarter on May 26, 1992 are as shown in the attached list.

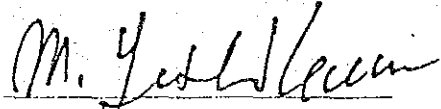


AS a result of discussion, the both parties agreed upon to recommend to the respective responsible agencies to take into their consideration for the further works of the Study on the main issues at the meeting from both parties as attached herewith:

In Kathmandu, on May 27, 1992.

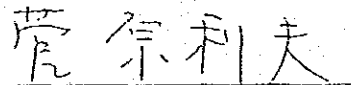


Mr. Y. L. Vaidya
Acting Director General,
Department of Irrigation,
EMGN.



Mr. M. Yoshikawa
Leader,
The Study Team,
JICA.

Witness:



Dr. T. Sugahara
Member,
Advisory Committee,
JICA

Attachment-1: List of Participants for Discussion Meeting
for Interim Report

1.1. Japanese Party:

- Study Team;
 - Mr. M. Yoshikawa, Leader
 - Mr. H. Ando, Deputy Leader
- Advisory Committee;
 - Dr. T. Sugahara, Committee Member
- JICA Headquarter;
 - Mr. H. Hioki, Agriculture, Forestry and Fisheries
Planning and Survey Department

1.2. Nepalese Party:

- Department of Irrigation;
 - Mr. Y. L. Vaidya, Acting Director General
 - Mr. G. P. Chaturvedi, Project Chief, GWRDP
 - Mr. S. B. S. Kansakar, Senior Divisional Geologist
 - Mr. S. R. Upreti, Divisional Geologist
 - Mr. S. Mitoma, Colombo Plan Expert, JICA
 - Mr. R. Aryal, Assistant Engineer

6/10



Attachment-2: Major Issues of Discussions

2.1. Conclusion of Phase-One Study

- (1) The Study Team explained to DOI on the results obtained from the additional studies through Home Work (I) inclusive of re-estimated acreages of irrigable areas by deep tubewell in the target districts.
- (2) The Study Team stated, and DOI side understood, that the south-eastern area (17,000 ha) in Jhapa District is finally selected as the representative area for Phase-Two Study.

2.2. Drilling Work for Observatory Wells

- (1) The Study Team stated, and DOI side understood, that the drilling work of observatory wells for Phase-Two Study is finally decided to be carried out under a contract with a consortium composed of two selected drilling firms in Nepal, and the Team wishes to immediately get into the contract negotiation, and enter the contract with the consortium.
- (2) The Study Team and DOI side confirmed that the land acquisition, if necessary, to make ^{site} available for the drilling work is to be undertaken by DOI and compensation for any damage of land is to be undertaken by the drilling contractor.
- (3) The Study Team requested to DOI side to witness to the said contract. DOI side stated the request would be examined.

2.3. Counterpart Training in Japan

The Study Team suggested to DOI side to submit the application for counterpart training in Japan for 1992 fiscal year to JICA Nepal Office as soon as possible. DOI side stated it would be examined immediately.



MINUTES OF MEETING
ON
THE INCEPTION REPORT FOR THE FEASIBILITY STUDY
ON
THE RAJKUDWA IRRIGATION PROJECT
IN
KINGDOM OF NEPAL

In accordance with the Scope of Work signed on February 13, 1992 for the Feasibility Study on the Rajkudwa Irrigation Project, the Japan International Cooperation Agency (JICA) has dispatched a study team headed by Mr. Kensaku TAKEDA to Nepal to conduct the above-mentioned study. Prior to the field investigation in Nepal, the study team presented the Inception Report in twenty (20) copies and explained the outline of the approach to the Project, plan of operation and work schedule for the study described in the Inception Report in the presence of the representatives of His Majesty's Government of Nepal (Nepalese side), of which the member list is attached herewith and in the subsequent discussions Nepalese side accepted the contents of the Report.

The following four (4) are main items agreed upon by Nepalese side and the study team :

1. The confirmation on the Scope of Work are ;
 - 1) The study area covers approximately 7,000 ha of the land excluding some command areas of existing irrigation schemes from the area enclosed by the proposed headworks site, Belwa-gurudwa river, Dhekrahwa river and Banganga river, which includes Rajkudwa, Gorsinge and Rajpur villages and the surrounding area.
 - 2) The mapping area is about 5,000 ha in max. covering the proposed headworks site, headrace route and the project area delineated on the existing 1/25,000 aerial photographic map by the field investigation in the rainy season..
 - 3) The Works specified in the Scope of Work are divided into two works as follows :
 - Work-I : Feasibility study
 - Work-II : Preparation of the 1/5,000 topographic map covering the project area and the surroundings

2. Nepalese side agreed to the following ;
- 1) to take twenty (20) soil samples from the test pits to be dug in the points representing the typical soils classified by the soil investigation to be carried out referring to existing soil classification map, land capability map and land use map of the study area.
 - 2) to decide proper water management system and adequate operation and maintenance system for the Project in discussions between Nepalese side and the study team on the systems proposed by the latter after the field investigation.
 - 3) to conduct meetings and discussions with the beneficial farmers four (4) times in the project area and the surroundings in collaboration with Nepalese counterparts and officials concerned in the course of the field investigation to involve such farmers into the Project from the investigation and planning stages of the Project.
 - 4) to explain the findings, studies, project plans and preliminary designs to officials of DOI and DOA in the discussion meetings on the interim and the draft final reports.
 - 5) to carry out the feasibility study taking into consideration the environmental effects by the Project.
3. Nepalese side agreed to provide, at HMGN's expenses, the study team with an office equipped with electricity supply, water supply, telephone set, toilets and office tables and chairs as required in Kathmandu and another office equipped with the similar facilities mentioned above in Taulihawa.
4. Nepalese side accepted to assign six (6) Nepalese officials as counterparts to the study team for the rainy season study in order to cooperate with the study team in the field investigation and also to receive transfer of technologies on the feasibility study, and to increase the numbers of counterpart for the dry season study in line with a request of the study team.. The name and speciality of the six counterparts assigned are shown in the attached sheet.

Kathmandu, July 3, 1992.



Mr. Y. L. Vaidya
Acting Director General,
Department of Irrigation,
His Majesty's Government
of Nepal



Mr. Kensaku TAKEDA
Leader,
Study Team for the
Rajkudwa Irrigation
Project

List of Nepalese Counterparts Assigned by HMGN

<u>Name</u>	<u>Speciality</u>	<u>Origin</u>
Prakash Poudel	Coordinator	DOI-Kapilvastu
K.D.Adhikari	Irrigation Engineer	DOI-KTM
K.L.Shrestha	Agriculturist	DOA-KTM
P.B.Shah	Hydrologist	T/W-Butwal
S.P.Khan	Geo-hydrologist	B.L.-GWP
B.B.Rawal	Agro-economist	B.L.-GWP

List of Participants

Subject : Inception Report on the F/S of Rajkudwa Irrigation Project
Date and Time : 02 / June /1992, 11pm
Place : Meeting Room, DOI, Kathmandu

<u>No.</u>	<u>Name</u>	<u>Position</u>
1.	Y. L. Vaidya	Acting Director General, Department of Irrigation
2.	L. R. Bhattarai	Director, Western Region Irrigation Office
3.	S. S. Shrestha	Sr. Agr. Officer, Department of Agriculture
4.	K. D. Adhikari	Civil Engineer, Department of Irrigation
5.	P. N. Bhandari	Civil Engineer, Department of Irrigation
6.	R. Aryal	Civil Engineer, Department of Irrigation
7.	S. Mitoma	JICA (Expert for DOI)
8.	H. Hioki	JICA, Headquarters
9.	K. Takeda	JICA Study Team (Team Leader, O&M Expert)
10.	Y. Mase	JICA Study Team (Irrigation & Drainage Engineer)
11.	F. Nagao	JICA Study Team (Agronomist)
12.	M. Ikeda	JICA Study Team (Hydrogeologist)
13.	N. Sambe	JICA Study Team (Meteo-Hydrologist)
14.	Y. Mizuguchi	JICA Study Team (Pedologist)

MINUTES OF THE MEETING

ON

THE DRAFT FINAL REPORT

FOR

THE FEASIBILITY STUDY

ON

THE RAJKUDWA IRRIGATION PROJECT

AGREED UPON

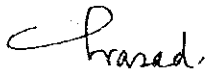
BETWEEN

OFFICIALS OF THE DEPARTMENT OF IRRIGATION (DOI)

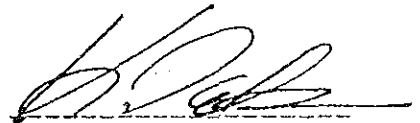
AND

THE STUDY TEAM OF JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

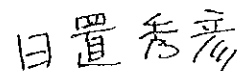
KATHMANDU, JULY 25, 1993



MR C.P. RAUNIYAR
DEPUTY DIRECTOR GENERAL
DEPARTMENT OF IRRIGATION
HIS MAJESTY'S GOVERNMENT OF NEPAL



MR. KENSAKU TAKEDA
TEAM LEADER OF THE
STUDY TEAM



MR. HIDEHIKO HIOKI
STAFF,
JICA HEADQUARTERS

In accordance with the Scope of Work for the Feasibility Study on the Rajkudwa Irrigation Project (hereinafter referred to as "the study"), the Study Team headed by Mr. kensaku TAKEDA submitted officially twenty (20) copies of the Draft Final Report to the Department of Irrigation (DOI) at the completion of the Home Work in Japan. The Draft Final Report consists of two volumes: Main Report and the Annexes containing eight and nine chapters respectively. On July 22, 1993, at the presence of the representatives of DOI, the Study Team explained the contents of the Draft Final Report.

In the next meeting held on July 25, 1993 the DOI representatives made general comments on the Draft Final Report and most of the comments were answered by the Study Team verbally. The main points of the discussion have been provided in Attachment - 1.

As a consequence of the explanation and presentation of comments in connection with the Draft Final Report, the followings have been accorded upon by both sides.

1. The Nepalese side confirmed that the Draft Final Report has been prepared in compliance with the scope of the study, methodology and schedule set forth in the Scope of work agreed upon between DOI and JICA on February 13, 1992.
2. The formulated irrigated agricultural development plan is based on both the development potential and the development constraints of the study area and are acceptable to the Nepalese side, accordingly.
3. Additional geo-technical investigation for the proposed irrigation pond and four existing ponds to be enlarged, has been planned to estimate the seepage/leakage loss in these ponds.
4. In response to the pertaining comments, the Japanese side manifested that they would duly take them into account in preparing the Final Feasibility Report in Japan.
5. Any further comments will be presented in written form, from the DOI side within coming one month and the Study Team agreed to incorporate them in the Final Report as far as possible.

cd

K. I.

H.H

ATTACHMENT - 1
COMMENTS ON THE DRAFT FINAL REPORT
FOR THE FEASIBILITY STUDY
ON THE RAJKUDWA IRRIGATION PROJECT

GENERAL ASPECT

The DRAFT FINAL REPORT submitted by the Study Team of Japan International Cooperation Agency (JICA), headed by Mr. Kensaku TAKEDA, satisfies requirements of technical quality and the development plans accords with the present irrigation and agriculture development policy of HMG/N.

SPECIFIC ASPECT

1. The DOAD representative expressed that the anticipated crop yield and the proposed cropping intensity were attainable.
2. The DOI side enquired about the possibility of silting up of the irrigation ponds while storing flood water. The Study Team explained that the three silt excluders proposed upstream from each of the ponds would solve the problem.
3. The DOI side made comments on the absence of fish ladder in the headworks for environmental consideration. The Study Team explained that no fish ladder would be needed as the diversion weir in the river is only 1.5 metre high from the general river bed level.
4. Since the planned ponds are in the forest area the DOI enquired about the existing as well as proposed surface area of each pond and the Study Team agreed to provide one in the Final Report.
5. The DOI side requested to consider Alternative - 8 for increasing irrigation area and the Study Team explained that the alternative was not economically feasible though it was feasible technically.

cd

K.7.

HJ

ANNEX 2

LIST OF ATTENDANTS OF THE MEETING

NEPALESE SIDE

1. Mr. Y.L. Vaidya, Director General, DOI
2. Mr. C.P. Rauniyar, Deputy Director General, DOI
3. Mr. S.S. Shrestha, Division Chief, DOAD
4. Mr. S.P. Sharma, Senior Divisional Engineer, DOI
5. Mr. M.S. Paudel, Senior Divisional Engineer, DOI
6. Mr. S.B. Regmee, Chief Counterpart Personnel, DOI
7. Mr. S.M. Shrestha, Irrigation Engineer, DOI
8. Mr. K.D. Adhikari, Counterpart Irrigation Engineer, DOI
9. Mr. Nobuharu SASANO, JICA Expert

JAPANESE SIDE

1. Mr. Hisaki INDOU, Secretary of EDJ
2. Mr. Norio NAITO, Assistant Resident Representative,
JICA-Nepal
3. Mr. Hidehiko HIOKI, Staff, JICA Headquarters
4. Mr. Kensaku TAKEDA, Team Leader/O & M
5. Mr. Yoshimitsu MASE, Irrigation and Drainage/ Water
Management (Deputy Team Leader)

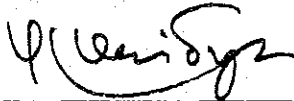

Ed

K.?

HH


MINUTES OF MEETING
ON
THE INTERIM REPORT
FOR
THE FEASIBILITY STUDY
ON
THE RAJKUDWA IRRIGATION PROJECT
AGREED UPON
BETWEEN
OFFICIALS OF THE DEPARTMENT OF IRRIGATION (DOI)
AND
THE STUDY TEAM OF JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

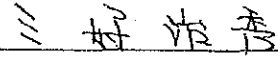
KATHMANDU, MARCH 23, 1993

MR. Y.L. VAIDYA
DIRECTOR GENERAL,
DEPARTMENT OF IRRIGATION,
HIS MAJESTY'S GOVERNMENT OF NEPAL

Director General


MR. KENSAKU TAKEDA
TEAM LEADER OF THE
STUDY TEAM


MR. HARUHIDE MIYOSHI
OBSERVER, JICA

In accordance with the Scope of Work for the Feasibility Study on the Rajkudwa Irrigation Project (hereinafter referred to as "the study") agreed upon between His Majesty's Government of Nepal and Japan International Cooperation Agency (JICA), the Study Team headed by Mr. Kensaku TAKEDA submitted officially twenty (20) copies of the Interim Report to His Majesty's Government of Nepal, through the Department of Irrigation (DOI) at the completion of the Field Work of the Study in Nepal.

On March 23, 1993, at the presence of representatives of DOI and DOAD, the Study Team explained the Interim Report, consisting of Five Chapters including objectives of the study, activities of the Study Team, present condition of the study area, basic development concept, formulation of basic development plan and programme for the future study works. Following the said explanation, the Nepalese side headed by Mr. Y.L.Vaidya, Director General of DOI, made comments on the Interim Report.

As a consequence of the explanation and presentation of comments in connection with the Interim Report, the following has been accorded upon by both sides.

1. The Nepalese side confirmed that the Interim Report has been prepared in compliance with the scope of the study, methodology and schedule set forth in the Inception Report.
2. The development concept and formulation of the development plan are based on both the development potential and the development constraints of the study area and are acceptable to the Nepalese side, accordingly.
3. Comments presented by the Nepalese side are as summarized in Annex 1.
4. In response to the pertaining comments, the Japanese side manifested that they would duly take them into account in formulating the irrigated agriculture development plan and preparing the feasibility report in Japan.

H.M

WCC

HN

ANNEX 1
COMMENTS ON THE INTERIM REPORT
FOR THE FEASIBILITY STUDY
ON THE RAJKUDWA IRRIGATION PROJECT

GENERAL ASPECT

The Nepalese side accepts that the Interim Report submitted by the Study Team of Japan International Cooperation Agency (JICA), headed by Mr. Kensaku TAKEDA, satisfies requirements of technical quality and the basic development plan accords with the present irrigation and agriculture development policy of HMG/N.

SPECIFIC ASPECT

DOI representatives inquired the Study Team about rather low value of irrigation duty adopted for paddy in the formulation of basic development plan. The concern of the DOI personnel was that it could be possible to formulate and design irrigation project theoretically, but it would be difficult to manage the project after implementation practically, and it was also low compared to the duties adopted in other projects in the country. The study team explained that the adopted irrigation duty of 0.4 l/sec/ha would be sufficient if the precipitation, concentrated during the growing season of paddy, were used effectively. The Study Team, however, agreed to review the irrigation duty during their office work in Japan.

W.C.

H.M.

K.T.

ANNEX 2

LIST OF ATTENDANTS OF THE MEETING

NEPALESE SIDE

1. Mr. Y.L. Vaidya, Director General, DOI
2. Mr. C.P. Rauniyar, Deputy Director General, DOI
3. Mr. B.K. Aryal, Deputy Director General, DOI
4. Mr. S.P. Sharma, Senior Divisional Engineer, DOI
5. Mr. S.B. Regmee, Chief Counterpart Personnel, DOI
6. Mr. N.M. Joshi, Divisional Engineer, DOI
7. Mr. B. Rayamajhi, Project Manager, Rajkudwa Irrigation Project
8. Mr. K.D. Adhikari, Counterpart Irrigation Engineer
9. Mr. K.L. Shrestha, Counterpart Agronomist, DOAD

JAPANESE SIDE

Mr. Haruhide MIYOSHI	Member of Advisory Team, JICA Headquarters
Mr. Norio NAITO	Assistant Resident Representative, JICA-Nepal
Mr. Kensaku TAKEDA	Team Leader/O&M
Mr. Yoshimitsu MASE	Irrigation and Drainage/Water Management (Deputy Team Leader)
Mr. Mitsuyoshi IKEDA	Geology/Geohydrology
Mr. Nobuo SAMBE	Hydrology/Meteorology
Mr. Kozo YAMADA	Design/Cost Estimate for Civil Works
Mr. Fumihito NAGAO	Agriculture/Farmers' Organization/Agricultural Support System
Mr. Hisashi ISHIKAWA	Agro-economy/Project Evaluation
Mr. Yoji MIZUGUCHI	Soil/Landuse

H.M.

W/W

H.M.

MINUTES OF MEETING
ON
INCEPTION REPORT
FOR
THE MASTER PLAN STUDY
ON
THE REHABILITATION FOR GOVERNMENT DEVELOPED IRRIGATION
SCHEMES
IN
THE KATHMANDU VALLEY IN THE KINGDOM OF NEPAL

1. DATE : April 8, 1993 11:00 a.m. - 1:00 p.m.
2. PLACE : Meeting Room of DOI
3. ATTENDING PERSONNEL : As per attached list
4. SUMMARY OF DISCUSSION

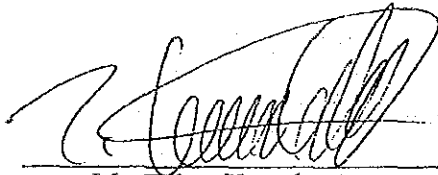
The JICA Study Team submitted the Inception Report to DOI and the Team Leader, Mr. T. Kawakatsu explained it to the attending DOI personnel. The Deputy Director General, Mr. C.P. Rauniyar expressed his general acceptance of the Report and discussion were made on almost every aspects of the project between DOI personnel and JICA Study Team, and both sides confirmed the following.

- (1) The basic concept and plan of operation for the Master Plan Study described in the Inception Report was accepted by DOI.
- (2) It was explained to JICA Team that a coordinating committee consisting of representatives from DOI and DOAD has been already in existence.
- (3) DOI has assigned the counterpart personnel for execution of the Master Plan Study as given in the attached list.
DOI has also assigned a Project Manager who will act as coordinator between the officials concerned of the HMG/N and Japan.
- (4) DOI has made necessary arrangements for a suitable office space required for the Study Team.




- (5) The JICA Study Team explained that there shall be provisions of trainings for counterpart personnel in Japan and DOI took note of it and assured the Study Team for the nomination of suitable personnel for this purpose.

April 9, 1993

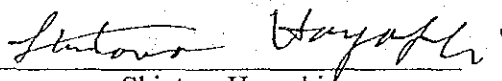


Mr. Takao Kawakatsu
Team Leader
JICA Study Team for the M/P Study on
the Rehabilitation for
the Government Developed
Irrigation Schemes in the Kathmandu Valley



for Mr. Y.L. Vaidya
Director General
Department of Irrigation,
His Majesty's
Government of Nepal

Witness



Shintaro Hayashi
Leader of
Advisory Committee



LIST OF ATTENDING PERSONNEL

Department of Irrigation , HMG/N

Mr. C.P. Rauniyar : DDG, DOI
Mr. M.N. Aryal : Director, CRID
Mr. K. Sharma : SDE, DOI
Mr. S.P. Sharma : SDE, DOI
Mr. M.S. Paudel : SDE, DOI
Mr. Nobuharu Sasano : JICA Expert

Government of Japan

1. Advisory Committee

Mr. Shintaro Hayashi : Leader
Mr. Akira Shimizu : JICA, Tokyo

2. Embassy of Japan

Mr. Hisaki Indou : Second Secretary

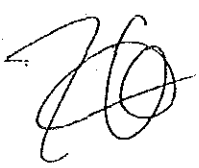
3. JICA Office Nepal

Mr. Norio Naito :
Assistant Resident Representative

4. Study Team

Mr. Takao Kawakatsu : Leader
Mr. Tatsumi Tanabe
Mr. Masashi Shono
Mr. Kazuyuki Ito

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REGIONAL APPRAISAL AND CO-ORDINATION COMMITTEE

1. REGIONAL DIRECTOR : DEPARTMENT OF AGRICULTURAL DEVELOPMENT,
CENTRAL REGION
2. REGIONAL DIRECTOR : DEPARTMENT OF IRRIGATION,
CENTRAL REGIONAL IRRIGATION DIRECTORATE
3. REGIONAL MANAGER : AGRICULTURAL DEVELOPMENT BANK, NEPAL
4. REGIONAL DIRECTOR : NATIONAL PLANNING COMMITTEE,
CENTRAL REGIONAL OFFICE

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LIST OF COUNTERPART STAFF FOR M/P STUDY

<u>Name</u>	<u>Present Position</u>	<u>Task Assigned</u>
Mr. Keshav Sharma	SDE, CRID	PM / TL
Mr. M. L. Shrestha	Act. SDE, DIO, Kathmandu	D.T.L
Mr. N. D. Panday	DIE, DIO, Lalitpur	C.P. Staff
Mr. D.R. Pokharel	DIE, DIO, Bhaktapur	C.P. Staff
Mr. Rajeswar Yadav	Agro-Engineer, CRID	C.P. Staff
Mr. S. K. Shrestha	Agro-Economist, CRID	C.P. Staff
Mr. Ramesh Pradhan	Engineer, CRID	C.P. Staff

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MINUTES OF MEETING
ON
PROGRESS REPORT (1)
FOR
THE MASTER PLAN STUDY
ON
THE REHABILITATION FOR GOVERNMENT DEVELOPED IRRIGATION
SCHEMES IN THE KATHMANDU VALLEY


1. DATE : August 18, 1993 12:00 a.m. - 2:00 p.m.
2. PLACE : Meeting Room of Department of Irrigation (DoI)
3. ATTENDANCE : As per attached list
4. SUMMARY OF DISCUSSION

The JICA Study Team explained the contents of Progress Report (1) in the meeting. The contents of the Progress Report (1) were basically accepted by DoI with the following suggestions.

- (1) To propose more intensive cropping pattern to match with the water balance study to be conducted and show precisely anticipated yield and production after implementation of rehabilitation projects.
- (2) To clarify more elaborately the present conditions and problems with the existing irrigation schemes by summarising the results of inventory survey to make clear the insufficient performance of the existing irrigation schemes.
- (3) To explain on-going urbanized conditions in the Kathmandu Valley clearly and forecast its impact on the sustainability of the projects to be implemented with further recommendation to the Government for the necessary action to be taken in this regard.

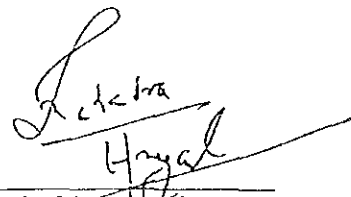
The DoI requested that the schedule for explanation of the Interim Report should be re-scheduled between Oct. 29, 1993 and Nov. 13, 1993 .

August 19, 1993



Takao Kawakatsu
Team Leader

JICA Study Team
For the Master Plan Study on
the Rehabilitation for the
Government Developed Irrigation Schemes
In the Kathmandu Valley



Mahendra Nath Aryal
Regional Director

Central Regional Irrigation
Directorate
Department of Irrigation,
His Majesty's
Government of Nepal

LIST OF ATTENDING PERSONNEL

Department of Irrigation (DoI), HMG/N

- Mr. Mahendra Nath ARYAL : Regional Director,
Central Regional Irrigation Directorate (CRID)
- Mr. Sharada Prasad SHARMA : Sr. Divisional Eng.
Planning, Design & Research Division, DoI
- Mr. Madhu Sudan PAUDEL : Sr. Divisional Eng.
Planning, Design & Research Division, DoI
- Mr. Keshab SHARMA : Sr. Divisional Eng.
Deputy Director for CRID, Chief Counterpart
- Mr. Ramesh PRADHAN : Engineer, Counterpart, CRID
- Mr. Santosh Kokh SHRESTHA: Engineer, Counterpart, Agro-Economy, CRID
- Mr. Rajeswar YADAV : Engineer, Counterpart,
Agriculture Engineer, CRID
- Mr. Nobuharu SASANO : JICA Expert for DoI

Department of Agriculture, HMG/N

- Mr. Prem Lal CHITRAKAR : Regional Director,
Central Regional Agriculture Development Office

Nepal Planning Committee (NPC), HMG/N

- Mr. Ram Prasad SHRESTHA : Director, NPC Central Regional Office

JICA Study Team

- Mr. Takao Kawakatsu : Team Leader
- Mr. Tatsumi Tanabe : Co-Team Leader, Irrigation & Drainage
Engineer cum O & M Expert
- Mr. Masashi Shono : Agro - Economist & Project Evaluation
- Mr. Kunita Okuwa : Hydrologist
- Mr. Kazuyuki Ito : Agronomist



JAPAN INTERNATIONAL COOPERATION AGENCY
MASTER PLAN STUDY TEAM
ON
THE REHABILITATION FOR GOVERNMENT DEVELOPED IRRIGATION SCHEMES
IN THE KATHMANDU VALLEY

c/o Central Regional Irrigation Directorate
Bagh Bazaar, Kathmandu, Nepal

Phone : 1-2-11491

Ref. : No. KTM - 023
Date : August 17, 1993

Mr. Y. L. Vaidya
Director General,
Department of Irrigation,
Kathmandu, Nepal

Subject : Progress Report (I) for the Master Plan Study on
the Rehabilitation for Government Developed
Irrigation Schemes in the Kathmandu Valley

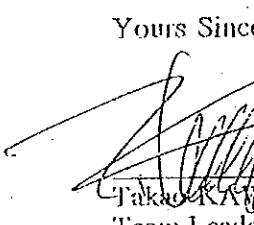
Dear Sir,

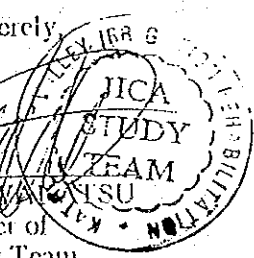
In accordance with the Scope of Work for the Master Plan Study on the Rehabilitation for Government Developed Irrigation Schemes in the Kathmandu Valley signed on December 16, 1992 between the Japan International Cooperation Agency (JICA) and the Department of Irrigation (DOI) of HMGN, We have the pleasure of submitting you herewith twenty (20) copies of the captioned Progress Report (I).

The Report presents the findings, observations, and preliminary results of the studies in the field work conducted twice during the Phase-I Study in Nepal. The further study to be carried out in Japan for the Phase-I and its schedule are also presented in the report.

Thank you for your kind attention.

Yours Sincerely,


Team Leader of
JICA Study Team



Encl.: As stated.
c. c. : Mr. C. P. Rauniyar, Deputy Director General, DOI
Mr. M. N. Aryal, Director, Central Region Irrigation Directorate
JICA Head Quarter, Tokyo
JICA Nepal Office
Mr. N. Sasano, JICA Expert for DOI
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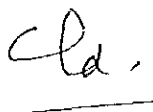
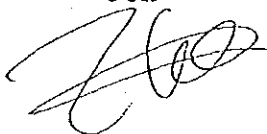
MINUTES OF MEETING
ON
INTERIM REPORT
FOR
THE MASTER PLAN STUDY
ON
THE REHABILITATION FOR GOVERNMENT DEVELOPED IRRIGATION
SCHEMES
IN
THE KATHMANDU VALLEY IN KINGDOM OF NEPAL

1. DATE : October 18-19, 1993
11:00 a.m. - 1:00 p.m.
2. PLACE : Meeting Room at DOI
3. ATTENDING PERSONNEL : As per attached Annex-2
4. SUMMARY OF DISCUSSION

JICA Study Team submitted Interim Report to DOI and Team Leader, Mr. T. Kawakatsu explained it to the attending DOI personnel. Deputy Director General, Mr. C.P. Rauniyar expressed his general acceptance of the Report and discussion were made on almost every aspects of the project between DOI personnel and JICA Study Team, and both sides confirmed the following.

- (1) The Study Team has suggested in the Interim report to carry out feasibility study for seven schemes. Against this, DOI requested that all the sixteen schemes should be studied at feasibility level. The Study Team explained that the criteria for the selection has been based on the EIRR of more than 18% (utilizing the criteria of ADB/N), so that the Nepalese side can implement the project utilizing the loan from ADB/N.

For implementation of the DOI projects the EIRR at DOI is 10% or more, considering availability of project funds from other sources.



As a result of the discussions, both sides agreed to add another 6 schemes. Accordingly, 13 schemes as listed in Annex - 1 will be studied in the coming feasibility study stage. As for AK-27 (Tokha) in the list, both sides agreed that it shall be dropped off because of the lack of water availability, though it has an EIRR of over 10%.

- (2) Nepalese side suggested that the proposed cropping intensity in the report could be estimated higher. The Study Team explained to Nepalese side that the cropping intensity was proposed considering the prevailing farming condition of the whole study area. The Study Team also added that there might be still a room for in-depth study on the said cropping intensity in the feasibility study stage. And both parties confirmed the above understanding.
- (3) DOI suggested the Study Team that irrigation canal systems should be so designed as to minimize additional land acquisition.
- (4) DOI stated that water rights of projects considered for the feasibility study is already established.

October 19, 1993

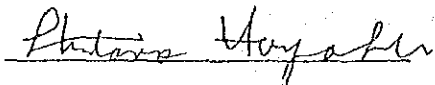


Mr. Takao Kawakatsu
Team Leader
Study Team for the Master Plan
Study on the Rehabilitation for
Government Developed
Irrigation Schemes in the
Kathmandu Valley



Mr. C.P. Rauniyar
Deputy Director General
Department of Irrigation
Ministry of
Water Resources
His Majesty's Government
of Nepal

Witness



Shintaro Hayashi
Leader of
Advisory Committee

Summary of EIRR for Selected Schemes

Scheme	Irrigation Area in ha		Initial Cost Total	Incremental Benefit NRs./ha(Net) NRs./1,000/yr	EIRR	Selection Over #1 18%		Selection Over #2 10%		Total Selected Over #2 10%	
	Gross	Net				Irrigation Area (Net Area)	Over #2 (Net Area)	Irrigation Area (Net Area)	Irrigation Area (Net Area)		
Kuthmandu											
AK-04	125	100	17,241	3,498	16.1%	1	100 ha	1	100 ha	1	100 ha
AK-05	210	168	27,083	7,209	22.1%	1	168 ha	1	168 ha	1	168 ha
AK-08	100	80	19,788	3,433	13.4%	1	80 ha	1	80 ha	1	80 ha
AK-14	140	112	26,789	4,806	13.9%	1	112 ha	1	112 ha	1	112 ha
AK-25	300	240	43,374	10,298	18.1%	1	240 ha	1	240 ha	1	240 ha
AK-27	90	72	12,477	1,946	11.6%	1	Excluded due to no water availability.	1	Excluded due to no water availability.	1	Excluded due to no water availability.
Sub-total	965	772	146,852	190,22		2	408 ha	3	292 ha	5	700 ha
Bhaktapur											
AB-02	60	48	12,569	2,060	12.4%	1	48 ha	1	48 ha	1	48 ha
AB-04	210	168	37,539	4,480	7.6%	1	168 ha	1	168 ha	1	168 ha
AB-10	90	72	14,021	2,463	13.6%	1	72 ha	1	72 ha	1	72 ha
AB-12	147	118	17,186	3,781	17.8%	1	118 ha	1	118 ha	1	118 ha
AB-14	450	360	54,243	12,737	17.9%	1	360 ha	1	360 ha	1	360 ha
Sub-total	957	766	135,558	177,06		2	478 ha	2	120 ha	4	598 ha
Lalitpur											
AL-08	250	200	65,154	8,582	9.0%	1	200 ha	1	200 ha	1	200 ha
AL-10	445	356	52,139	15,276	22.6%	1	356 ha	1	356 ha	1	356 ha
AL-13	165	132	24,286	5,664	19.1%	1	132 ha	1	132 ha	1	132 ha
AL-19	600	480	85,145	20,597	18.5%	1	480 ha	1	480 ha	1	480 ha
AL-20	400	320	60,421	13,731	17.3%	1	320 ha	1	320 ha	1	320 ha
Sub-total	1,860	1,488	287,145	192,97		3	968 ha	1	320 ha	4	1,288 ha
Total	3,782	3,026	569,555	188,25		7	1,854 ha	6	732 ha	13	2,586 ha

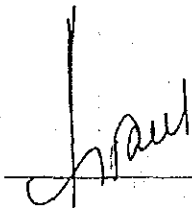
Note #1: As interest rate of ADB/N for irrigation development is 18%.

*2: DoF's selection standard at minimum rate.

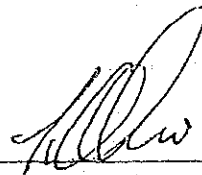
selected schemes as model area

MINUTES OF MEETING
ON
DRAFT FINAL REPORT
OF
FEASIBILITY STUDY ON DEVELOPMENT
OF IRRIGATION BASED UPON FLOOD
FLOWS OF D.G.KHAN, HILL TORRENTS.

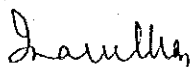
Lahore August 15, 1992.



AHSAN HUSSAIN ZAIDI,
ADDITIONAL SECRETARY,
IRRIGATION & POWER DEPARTMENT,
GOVERNMENT OF THE PUNJAB.



TADASHI OHORI,
LEADER,
THE STUDY TEAM



RIAZ-UL-HAQ SHIEKH,
CHIEF ENGINEER,
DRAINAGE & FLOODS,
IRRIGATION & POWER DEPARTMENT,
GOVERNMENT OF THE PUNJAB.



NORIKAZU TSUJII,
CHAIRMAN,
ADVISORY COMMITTEE
FOR THE STUDY,
THE JAPAN INTERNATIONAL
COOPERATION AGENCY.

MINUTES OF MEETING ON DRAFT FINAL REPORT
OF FEASIBILITY STUDY ON DEVELOPMENT OF
IRRIGATION BASED UPON FLOOD FLOWS OF D.G.
KHAN, HILL TORRENTS.

Date : August 15, 1992.
Place: Irrigation & Power Department,
Government of the Punjab.
Participants: As per Annexure

The Draft Final Report of Feasibility Study for development of Irrigation based upon Flood Flows of D.G. Khan Hill Torrents was completed and circulated among the participants of the meeting. The JICA Study Team explained the contents of the Draft Final Report. The observations of the participants were also replied by the Study Team. The following were confirmed during the meeting :

1. Thirty (30) copies of the Draft Final Report were delivered by the JICA Study Team in accordance with clause 6 item (v) of the Scope of Works (Agreement signed on 29.8.1990).
2. The participants agreed in general to the contents of the report.
3. Detailed comments will be prepared and communicated to JICA within a period of one month.
4. On receipt of the comments on the Draft Final Report the Study Team will finalize the report within a period of two months.

The meeting was concluded with a vote of thanks to the JICA Study Team for preparing such a comprehensive report and sincere thanks to I&P Department (Government of the Punjab) for extending full co-operation.



LIST OF PARTICIPANTS.

<u>SR.NO.</u>	<u>NAME</u>	<u>DESIGNATION & DEPARTMENT.</u>
1.	Khalid Mahmood	Secretary, I&P Department.
2.	A. H. Zaidi	Additional Secretary, I&P.
3.	Riaz-ul-Haq	Chief Engineer, Drainage & Floods, Lahore.
4.	Riaz Ahmed Khan	Chief Engineer, Multan, I&P.
5.	Tadashi Ohori	Leader of the Study Team.
6.	Norikazu Tsujii	Chairman of Advisory Committee for the study.
7.	Yoshimi Katsumata	Co-ordinator JICA Headquarters.
8.	Yoichi Kishi	Member of the Study Team Water Shed Management.
9.	Motoo Taki	Member of the Study Team Irrigation and Drainage.
10.	Zaka Ullah	Chief Planning & Evaluation, Agriculture Department.
11.	Muhammad Ilyas	S.E, Derajat, I&P Department.
12.	Muhammad Dilpazir	O.S.D., I&P Department.
13.	Qazi Anwar Ali	Deputy Secretary (Development), I&P Department.
14.	Faiz-ul-Hasan	Director, Floods, I&P Department.
15.	M. Ramzan Bhatti	Executive Engineer, Jampur Construction Division, D.G. Khan.
16.	Afzaal Mehdi	Under Secretary (Floods).

