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1. ミニッツ (英文)

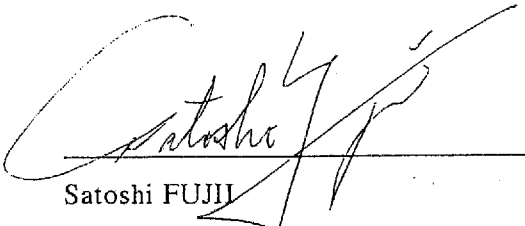
MINUTES OF MEETING OF THE PROJECT CONSULTATION TEAM  
ON JAPANESE TECHNICAL COOPERATION  
FOR THE KILIMANJARO AGRICULTURAL TRAINING CENTRE PHASE II PROJECT  
IN TANZANIA

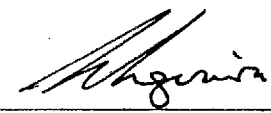
The Project Consultation Team (hereinafter referred to as "the Team") organized by the Japan International Cooperation Agency (hereinafter referred to as "JICA") and headed by Mr. Satoshi FUJII, visited the United Republic of Tanzania from May 21 to May 30, 2002 for the purpose of consulting the formulation of the Project Design Matrix and Plan of Operations of the Kilimanjaro Agricultural Training Centre Phase II Project (hereinafter referred to as "the Project") as well as discussing the major issues related to the implementation of the Project.

During its stay, the Team conducted the survey by carrying out field visits, exchanged views and held series of discussions with the stakeholders in respect of various issues related to the smooth implementation of the Project.

As a result of the discussions, the Team and the Tanzanian authorities concerned agreed on the matters referred to in the document attached hereto, and confirmed that the Project is to proceed along the lines shown in it.

Dar Es Salaam, May 29, 2002

  
Satoshi FUJII  
Leader  
Project Consultation Team  
Japan International Cooperation Agency

  
Wilfred NGIRWA  
Permanent Secretary  
Ministry of Agriculture and Food Security  
The United Republic of Tanzania

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## 1. Introduction

The Kilimanjaro Agricultural Training Centre (KATC) was established as the irrigated rice cultivation training centre in 1994. The technical cooperation, The Kilimanjaro Agricultural Training Centre Phase I Project (hereinafter referred to as KATC Phase I Project), was implemented by JICA from 1994 to 2001 for the purpose of strengthening the function of KATC.

On the basis of its achievement, the Government of United Republic of Tanzania proposed another project. It aimed to further strengthen the technical and pedagogical capabilities of KATC personnel through development of training courses to meet the needs of the model sites.

In response to this request, the Government of Japan dispatched Study Teams and as a result, the Record of Discussions on the Project for Kilimanjaro Agricultural Training Centre Phase II was signed on July 5, 2001, between the Tanzanian authorities and the Project Design Team. The Project was commenced in October 2001, and will terminate in September 2006.

## 2. Project Consultation Team

In order to consult about formulation of the Project Design Matrix (PDM), Plan of Operations (P/O) and the Monitoring and Evaluation Plan, and to confirm the proceedings of the Project, a survey was conducted.

### 2-1 Objective

- (1) To discuss the concrete Project Plan, PDM, P/O and Monitoring and Evaluation Plan with the stakeholders and make agreement on them
- (2) To confirm the Project's present situation
- (3) To suggest solutions for conducting the Project smoothly, if necessary
- (4) To discuss activity plan for the Regional Technical Cooperation Promotion Project (RTCPP) with the concerned authorities
- (5) To confirm the participation of Uganda in the RTCPP
- (6) To discuss the concrete collaboration activity plan with FAO

### 2-2 Process of the Survey

The Team visited KATC and the project sites proposed, and carried out a series of discussions with Tanzanian side, Japanese long-term and short-term experts. As a result of the discussions, the Project formulated the PDM and P/O with consultation of the Team.



### 3. Clarification of Project Master Plan and Project Design Matrix (PDM)

The Project Design Team formulated the Project Master Plan and the Tentative Project Design Matrix on July 5, 2001. In examining the Tentative PDM, it was found that some items of narrative summary should be clarified to avoid misunderstanding of the Project direction, in particular the treatment of the capacity building of KATC. As a result of the discussions among stakeholders, some expressions of items have been clarified and new items have been added as shown in ANNEX 1.

The concept of clarification is

- to clarify the flow to strengthen the capability of KATC through the accomplishment of Project Purpose in PDM
- to be logical in PDM concept
- to divide PDM into one for Tanzania and the other for Regional countries according to each purpose and approach to avoid confusion, and
- there is no substantial change in Project Activities.

Output and Activities for gender issues are added, however, it is not treated as independent field. Those activities are included in the part of other field activities.

#### 3-1 Clarifying expression in Narrative Summary

##### (1) Project Purpose

Tentative PDM	PDM
(1) In Tanzania Rice yield is increased in the model sites.	(1) In Tanzania Productivity of rice increases in the model sites through the KATC's training.
(2) In Regional Countries Irrigated rice production techniques of field personnel and/or key farmers in the irrigated rice farming areas selected by each country are improved.	(2) In Regional Countries Same as tentative one.

To clarify the concern of KATC to accomplish the Project Purpose, the phrase 'through the KATC's training' is added. And 'Rice yield' was replaced by 'Productivity of rice', because 'Rice yield' is not enough to express all the outputs and training activities of KATC. For increase of the Productivity of rice, various factors on which farmers should be trained will be included. This Project aims to conduct the training on sustainable irrigated rice cultivation for farmers. Accordingly, the Project should not simply pursue yield but it should pursue efficient production of rice. However, 'Productivity' has several aspects. Therefore it must be defined with the supplementary indicator in evaluation. Several indicators (economical aspect, water usage aspect, linkage between inputs and outputs, adaptability and so on) are considered. The




detailed indicator and target will be determined site by site after the baseline survey.

(2) Overall Goal

Tentative PDM	PDM
(1) In Tanzania Agricultural income of rice farmers is improved in the model sites.	In Tanzania and In Regional countries  Productivity of rice increases in the place where the KATC training has been conducted and its surrounding area.
(2) In Regional Countries Irrigated rice production techniques of farmers in the irrigated rice farming areas selected by each country are improved.	

In Tanzania

Considering the KATC's mandate as a training centre, it is more suitable to stress on expansion to the other irrigation schemes than on income generation in the same model sites.

In Regional countries

Because Overall Goal will be achieved several years after the termination of the Project and effect of the training should be judged by Productivity as well as in Tanzania, there is no need to set up the Overall Goal separately for Tanzania and for Regional Countries.

(3) Outputs

Tentative PDM	PDM
(1) In Tanzania	(1) In Tanzania Output 1 The concept of and approach to the model sites are established. (based on the agreement of all the stakeholders)
Output 1 The needs on training for the irrigation schemes are identified.	Output 2 The capability of KATC in identifying training needs is improved.
Output 2 Irrigated rice production techniques of field personnel and key farmers in the model sites are improved.	Output 3 Technical training programmes on irrigated rice production are strengthened to meet local needs.
Output 3 The framework for irrigated rice production is strengthened in the model sites.	Output 4 Training programmes to improve the institutional framework for irrigation schemes are improved.
Output 4 Irrigated rice farming information unit is established in KATC.	Output 5 The capability of KATC in collecting and providing useful irrigated rice cultivation information is improved.

	<p>Output 6 The concept and approach to mainstream gender into planning, implementing and monitoring technical training on irrigated rice production are established.</p>
<p>(2) In Regional Countries Scheme manager, field personnel and/or key farmers in the irrigated rice farming areas selected by each country master the irrigated rice production techniques.</p>	<p>Output 1 The capability of KATC in conducting the training courses in compliance with the needs of each participating country and with gender consideration is improved.</p>
	<p>Output 2 The capability of KATC in collecting and providing useful irrigated rice cultivation information is improved.</p>

In Tanzania

All expression of outputs are modified to clarify the relation between outputs and strengthening the function of KATC under the Project Purpose. Since it is supposed that an outsider might see the Project as a direct Regional Promotion Project by reading the expression of Output in tentative PDM, all Outputs were modified as mentioned above to avoid misunderstanding. Besides, the expression of Output 1 and Output 4 in tentative PDM is unsuitable for the output, because it seemed just achievement of activity. Therefore they are modified to be suitable for the Outputs.

In Regional countries

Output 1 is modified in the expression to clarify the relation between outputs and strengthening the function of KATC. Logically, more than one Output is to be set in PDM, therefore Output 2 is added into PDM for regional countries. This Output corresponds with Output 5 for PDM in Tanzania.

### 3-2 Additional Outputs and Activities

As a result of the discussions, Output 1, Output 6 and Activities for them were added to meet Project Purpose. The process to select the model sites (setting the criteria based on the information of irrigation schemes and determine the priority sites) will be a significant function for KATC, therefore Output 1 is added. As it is mentioned in M/M (signed on July 5, 2001) and PDM (ANNEX1), Output 6 (gender) is a cross cutting issue for the Project. Therefore, it was added in PDM to raise Project's consciousness on gender considerations in all activities. In this context Output and Activities for gender issues are not treated independently, but reflected on all Activities and Outputs.




#### 4. Remarks for Indicators in PDM

Indicators in PDM were agreed as ANNEX 1 among stakeholders, and also the remarks for each indicator were agreed as follows so that evaluation and monitoring can be conducted on a common understanding.

##### (1) Overall Goal/ Project Purpose

- The training conducted sites in Overall Goal

'The training conducted sites' in Overall Goal includes other irrigation schemes, out of the 6 model sites.

- Indicator 1

It simply means the extent of rice yields increase. In this indicator, 'surrounding area' means the area where the training has not been conducted directly, but affected by the training conducted site.

- Indicator 2

Efficiency of rice production activities is judged by some items, such as input and output, water utilization. Those items may change depending on the locality of model sites, so the detailed indicators for each site are to be prepared as annex of PDM after the baseline survey.

- Sample farmers

'Sample farmer' means directly contacted farmer and indirectly contacted farmer by the Project. Those achievement rates in the indicators are defined separately for both farmers.

##### (2) Outputs

- Indicator 2


In the questionnaire the point is given for the evaluation in accordance with the satisfactory extent from 1 to 5. In this case, 1 means minimum satisfaction and 5 means maximum one.

- Indicator 3-1, 3-2

Basic field techniques and technical standards on rice cultivation are defined and listed later.

- Indicator 3-3, 3-4

The module for technical training means the methodology from the demand identification, training plan, material producing and implementation of evaluation and of monitoring. It includes all process of training.





## 5. Determination of Project activities

In this Project, 6 irrigation schemes are to be selected as the model site. These model sites are expected to be the cores for technology exhibition as well as good examples of institutional framework for the irrigation zone. Therefore one model site each will be selected from the six national irrigation zones considering the locality and effectiveness to the other schemes.

The Project activities contribute to the increase of rice productivity in the model site and simultaneously those activities enable KATC to conduct further practical and demand-driven training to the farmers and concerned people.

After the selection, it is planned that the Project activities are conducted both at KATC and at model sites to establish the modality of locality focused training. The conceptual diagram of the KATC Phase II approach in the model site including expansion to other irrigation schemes is shown in ANNEX 2. In this diagram, expansion to other irrigation schemes will be done by Tanzania.

In parallel Regional Technical Cooperation Promotion Program (RTCPP) is conducted by KATC. Thus the capability of KATC is strengthened through those activities.

### 5-1 Plan of Operations (P/O)

As a result of the discussions among the stakeholders, P/O was determined as attached ANNEX 3, except for detailed activity plan on gender. The complete P/O will be prepared after the Project agrees with and confirms activity plan concerning gender consideration.

### 5-2 Criteria for selecting the model sites

The Project planned to select the model sites based on the criteria attached as ANNEX4. A workshop is to be held for the purpose of selecting 6 model sites at the end of August, 2002.

## 6. Progress of the Project Plan

The project commenced on October 1, 2001 and half a year has passed before this survey. The progress of the Project plan is confirmed as follows.

### 6-1 Progress of Inputs

#### (1) Japanese Inputs

##### Dispatch of Experts

A total of 5 long-term experts and a total of 3 short-term experts have been dispatched as planned. The list of the experts is attached in ANNEX 5.



6



#### Provision of Equipment, Machinery and Materials

Major equipment, machinery and materials mostly have been provided to carry out the activities effectively as shown in ANNEX 6.

#### Training of Tanzanian Counterpart Personnel in Japan

Two Tanzanian counterpart personnel have visited Japan to participate in technical training. The list of trained personnel is attached in ANNEX 5.

#### Supplementary Funds to Cover Local Cost

The Japanese side bore a part of the Project local cost to implement the Project more effectively. The supplementary fund made by the Japanese side is shown in ANNEX 5.

### (2) Tanzanian Inputs

#### Assignment of Counterparts

Tanzanian counterparts have been assigned to the Project as attached in ANNEX 7. Two counterparts (Water Management section and Information unit) have not been assigned yet.

#### Provision of Land, Buildings and other necessary Facilities

The facilities and land which are essential for the Project have been provided. However, the demonstration and training field confined to only Block B are supposed to be getting tight, as the Project proceeds. Additional field will be required in the future.

#### Local Running Expenses

Tanzanian side bare expenses for electricity, fuel, water supply and other miscellaneous expenses. While disbursement of own training services was still inadequate, some training courses have been conducted by using Self Help Fund of KATC.

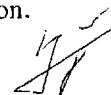
### 6-2 Progress of Project Activities

(1) Activity 1-1: Study the situation of selected 40 irrigation schemes in order to determine their potential for development.

40 irrigation sites had been selected by KATC based on the profiles of irrigation schemes. And the analysis of collected secondary data and primary data has been launched.

(2) Activity 1-2: Conduct the group training courses on irrigated rice production techniques for scheme managers, field personnel and key farmers of the selected 40 irrigation schemes.

4 group-training courses, called PIRSMA (Participatory Irrigation Scheme Management) were conducted from January 21 to March 29, 2002, and its report is under preparation.



(3) Activity 1-3: Select model sites based on the criteria to be agreed.

As it is mentioned above, the criteria for selecting model sites was prepared as proposed criteria of the items by the Project. As a result of discussion, it was approved by both sides.

(4) Other Activities

The rest of the Project activities based on PDM and P/O are scheduled to be conducted after the determination of the model sites. Therefore, those activities have not been conducted.

## 7. Monitoring and Evaluation Plan

As a result of the discussions, it is confirmed that the Project will implement monitoring every six months starting from October, 2002 and the mid-term evaluation and final evaluation will be conducted by the Joint Evaluation Team composed of both sides.

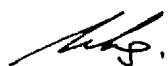
## 8. Regional Technical Cooperation Promotion Program

The Regional Technical Cooperation Promotion Program will be implemented based on the Minutes of Meeting signed on July 5, 2001 and on ones signed between JICA and each country as follows. It is agreed that the documents from the Tanzania side should be issued to the Ministry of each country by the Tanzanian Ministry of Agriculture and Food Security (hereinafter referred to as MAFS). The participation of Uganda to RTCPP was discussed, and it is confirmed that the participation of Uganda is welcome.

Country	Date of signing	Concerned Organization
Kenya	October 26, 2001	Ministry of Agriculture and Rural Development
Malawi	March 5, 2002	Ministry of Agriculture and Irrigation
Zambia	December 20, 2001	Ministry of Agriculture, Food & Fisheries

## 9. Others

Concerning the collaboration between the Project and Special Programme for Food Security (SPFS), which is conducted by Food and Agriculture Organization of the United Nations (FAO), the Project will select one site from the sites of SPFS or from the neighboring sites of SPFS to promote both activities.



## 10. Conclusion

By the accomplishment of the KATC Phase I Project, KATC has been recognized widely as the training centre for irrigated rice cultivation. And the effect of the training can be seen in the ex-participants' home villages.

The Project is being implemented to strengthen the capability of KATC through the accomplishment at the model sites.

The Project direction is relevant to the government agriculture promotion policy, and at the completion of the Project great contribution is expected. For the accomplishment of the Project Purpose, KATC and MAFS should discuss the way which KATC will be involved in providing rice cultivation techniques to farmers outside the Project area without seriously affecting Project design programmes.

The Project Purpose and activities are appropriate. However, the scale of activities and inputs should take into consideration the reality of the model sites in order to ensure the Project sustainability.

## 11. Issues to be clarified by MAFS and KATC

- (1) The position of KATC in the ASDP, ASP and other related programmes like the national irrigation master plan
- (2) Plan of management of KATC on conduct of training for the Project activities and ordinary training courses with regard to allocation of budget and manpower
- (3) Cost sharing policy at the model sites among concerned people and organizations
- (4) Perspective Plan for the expansion of the Project accomplishment to other irrigation schemes
- (5) Cost efficiency of the training course for each model site and its appropriateness
- (6) Treatment of gender activities in each field of P/O

The issues above should be clarified;

- (1) During each plan and programme formulation
- (2), (3), (5) and (6) Before the beginning of training course for each model site
- (4) Before mid-term evaluation (2 years later)



## 12. Recommendations from the Team

- (1) KATC should coordinate her ordinary training course and the Project activities.
- (2) Since this Project activities focus on the model sites, following issues must be considered.
  - MAFS should coordinate the involvement of other stakeholders (i. g. Local Government, Ministry of Cooperative and Market) in order to promote Project Activities.
  - MAFS should ensure that there is agreement among stakeholders in the model sites for smooth implementation of Project Activities.
  - During selecting model site, cost sharing at the model site should be considered as one of the precondition.
  - The role of KATC as the trainer must be clearly spelt out and known to the participants of model sites in advance to avoid any confusion.
- (3) Two counterparts, one in water management section and another in information unit should be assigned immediately to proceed the Project smoothly.
- (4) The budget allocation has been improved, however, it is still tight. Continuous effort is strongly required.
- (5) In evaluation the technical programmes, not only the technical aspect but also the cost effectiveness must be considered.
- (6) KATC is required to have a contact with RTCPP countries to proceed the Project after fixing Plan of Operations.
- (7) For the collaboration work with SPFS, organizations concerned are required to formulate the Joint Committee.



**Project Design Matrix (PDM):  
The Kilimanjaro Agricultural Training Centre Phase II Project in Tanzania**

Duration : 2001.10.1~2006.9.30

Target Group: Rice farmers in the irrigation schemes

Project Area: selected irrigation schemes

Date: 29/ May, 2002

In Tanzania

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions
<b>Super Goal</b>  Living standards of rice farmers in the irrigation schemes are improved.			There are no major policy changes.
<b>Overall Goal</b> Productivity of rice increases in the place where the KATC training has been conducted and its surrounding area.	1 Average rice yield per unit area of sample farmers in the training conducted sites and its surrounding area increase X % (determined after the baseline survey) by 2010 compared to 2002.  2 By 2010, Efficiency of the rice production activities is improved in the training conducted sites and its surrounding area (details will be determined after the baseline survey and be shown in annex)	1. base line survey 2. ex-participants report 3. monitoring report	Income is used for better living standards.
<b>Project purpose</b> Productivity of rice increases in the model sites through the KATC's training.	1 Average rice yield per unit area of sample farmers in model sites increase X % (determined after the baseline survey) by 2006 compared to 2002.  2 By 2006, Efficiency of the rice production activities is improved in the model sites. (details will be determined after the baseline survey and be shown in annex)	1. base line survey 2. ex-participants report 3. local consultant survey report	No agricultural policy changes.
<b>Outputs</b> 1 The concept of and approach to the model sites are established (based on the agreement of all the stakeholders)  2 The capability of KATC in identifying training needs is improved.  3 Technical training programmes on irrigated rice production are strengthened to meet local needs.  4 Training programmes for improving institutional framework of irrigation schemes are strengthened.  5 The capability of KATC in collecting and providing useful irrigated rice cultivation information is improved.  6 The concept and approach to mainstream gender into planning, implementing and monitoring technical training on irrigated rice production are established.	1 By the end of August, 2002, six (6) model sites are selected on the basis of the criteria.  2 In the end of every training course, more than 80% of training participants rank 4 out of 5 in questionnaire.  3-1 By 2006, 80% of ex-participants adopt basic field techniques learnt. 3-2 By 2006, technical standards on rice cultivation are established in all model sites through field trial activities conducted by field personnel and key farmers. 3-3 The modules for technical training are established.  4-1 By 2006, farm operation calendars and plans are prepared, carried out and evaluated by managing personnel, key farmers and intermediate farmers in each model sites. 4-2 By 2006, active membership of farmers' organisations in each model site increase by X% compared to 2002. 4-3 By 2006, X personnel from local governments (determined after the baseline survey) participate in seminars and workshops held in each model sites. 4-4 By 2006, attendance rate of participants to seminars and workshops in each model site increase by X% (determined after the baseline survey) compared to 2002. 4-5 The modules for training of institutional framework are established.  5-1 By 2006, amount of access to information from outside increases. 5-2 By 2006, bi-monthly newsletters are prepared, and progress reports on technical matters are prepared once a year.  6-1 By 2006, number of women farmers' participation increased X% compared to 2002, by considering gender needs in model sites. 6-2 By 2006, number of courses which aim to reduce women farmers' workload increases (simple tools, mechanisation, balancing gender division of labour) 6-3 By 2006, number of courses which target women farmer specific problems which deteriorating rice productivity increases. (water born disease, water distribution)	1. minutes of Joint Coordinating Committee 2. criteria  1. training report 2. questionnaire  1. training report 2. monitoring report 3. technical standards summarised by Rice Cultivation section 4. local consultant survey report  1. training report 2. farm operation calendar 3. evaluation report 4. interview 5. seminar and workshop proceedings 6. local consultant survey report  1. utilization list 2. newsletters, progress report 3. web-site 4. local consultant survey report  1. baseline survey report 2. training report 3. monitoring report 4. local consultant survey report	The ex-participants remain in the irrigation scheme  Regional levels recognise the importance of improved rice farming and implement extension

	6-4 By 2006, training curriculum, materials and teaching methods are improved by integrating women farmers' contribution to irrigated rice production.	
	6-5 By 2006, women farmers' leadership in farmers' organization increases.	
	6-6 By 2006, attendance of women farmers and youth to seminars and workshops in each model site increase by 2% (determined after the baseline survey) compared to 2002.	
Activities	Inputs	Important Assumptions
<p>1-1 Study the situation of selected 40 irrigation schemes in order to determine their potential for development.</p> <p>1-2 Conduct the group training courses on irrigated rice production techniques for scheme managers, field personnel and key farmers of the selected 40 irrigation schemes.</p> <p>1-3 Select model sites based on the criteria to be agreed.</p> <p>2-1 Conduct surveys to identify the situation and problems and to collect baseline data for monitoring.</p> <p>2-2 Conduct analysis of the information collected.</p> <p>3-1 Prepare the activity plan to improve irrigated rice production techniques in each model site.</p> <p>3-2 Conduct the training courses on irrigated rice production techniques for field personnel and key farmers (with special consideration for women and young farmers) of the model site at KATC.</p> <p>3-3 Conduct the field training courses with irrigated rice production skills for field personnel and key farmers (with special consideration for women and young farmers) in each model site.</p> <p>3-4 Provide technical assistance to the ex-participants on irrigated rice production at the model site.</p> <p>3-5 Monitor the activities of ex-participants in each model site.</p> <p>4-1 Prepare the activity plan to improve the framework for irrigated rice production for each model site.</p> <p>4-2 Conduct seminars and workshops for farmers, scheme managers, local government personnel, and other related organisations.</p> <p>4-3 Conduct field training courses in the model site on the management of irrigators' associations/cooperative societies and other farmers' organisations for scheme managers, field personnel and key farmers (with special consideration for women and young farmers).</p> <p>5-1 Establish information management system.</p> <p>5-2 Collect and classify the information.</p> <p>5-3 Supply the information to the concerned organisations and individuals.</p> <p>The following gender related activities are reflected on above activities. They are not treated as the independent field.</p> <p>6-1 Identify women's training needs of selected model sites and integrate them into action plan.</p> <p>6-2 Plan, conduct and monitor the technical training of irrigated rice production with gender consideration.</p> <p>6-3 Plan, conduct and monitor the institutional framework of irrigated rice production with gender consideration.</p> <p>6-4 Organise gender related information on irrigated rice production.</p>	<p><b>Japanese side</b></p> <p>1. Dispatch of Japanese Experts (1) Long-Term Experts (maximum 5 persons) Chief Adviser Coordinator Other Long-Term experts - Extension and farmers training - Rice cultivation - Irrigation management - Farming Management (2) Short-Term Experts 2. Provision of Machinery and Equipment 3. Training of Tanzanian Counterpart Personnel in Japan 4. Dispatch of a Survey Team</p>	<p><b>Tanzanian side</b></p> <p>1. Assignment of Tanzanian Personnel (1) Project Director (2) Project Manager (3) Counterpart personnel in the field of - Extension and farmers training - Irrigation management - Farming Management (4) Counterpart personnel for short-term Experts (5) Administrative personnel (6) Other necessary personnel mutually agreed upon as necessary 2. Local Running Expenses 3. Provision of lands, buildings and other necessary facilities</p>
		<p><b>Pre-conditions</b></p> <p>Rice farmers in the selected irrigation schemes agree with the objectives of the project. Security situation of the country remains stable, and safety of property at KATC is assured.</p>

\*sample farmer : direct and indirectly contacted farmer

**Project Design Matrix (PDM):  
The Kilimanjaro Agricultural Training Centre Phase II Project in Tanzania**

Duration : 2001.10.1~2006.9.30

Target Group: Agricultural technician and key farmers in regional countries

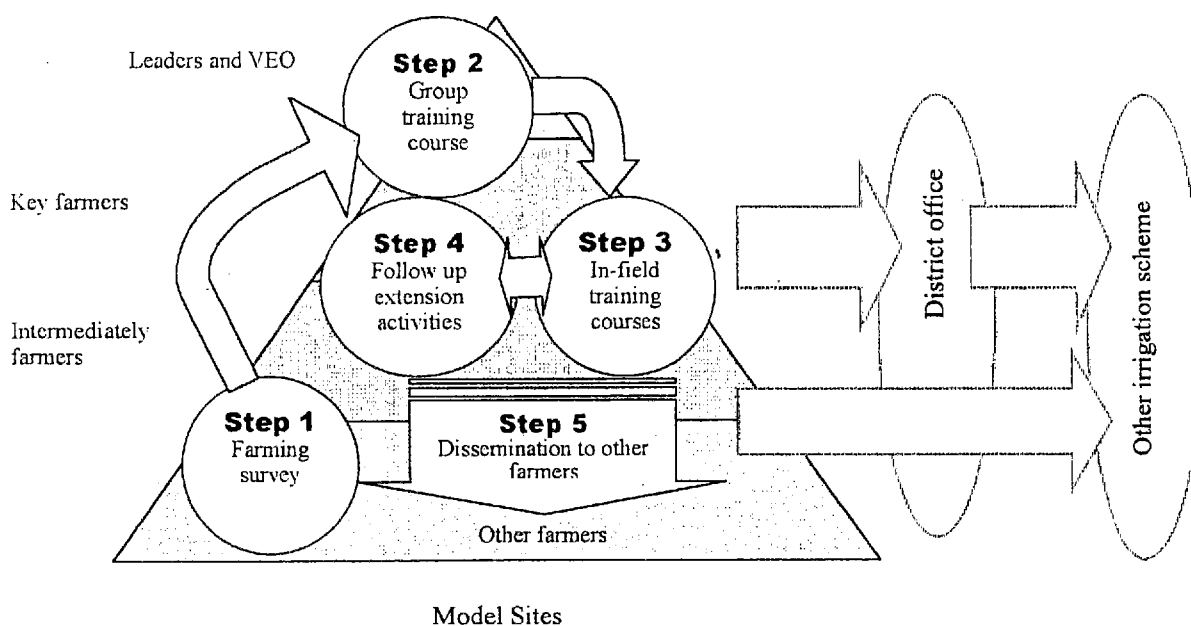
Project Area: Irrigated rice farming areas in Regional countries

Date: 29/ May, 2002

In regional countries

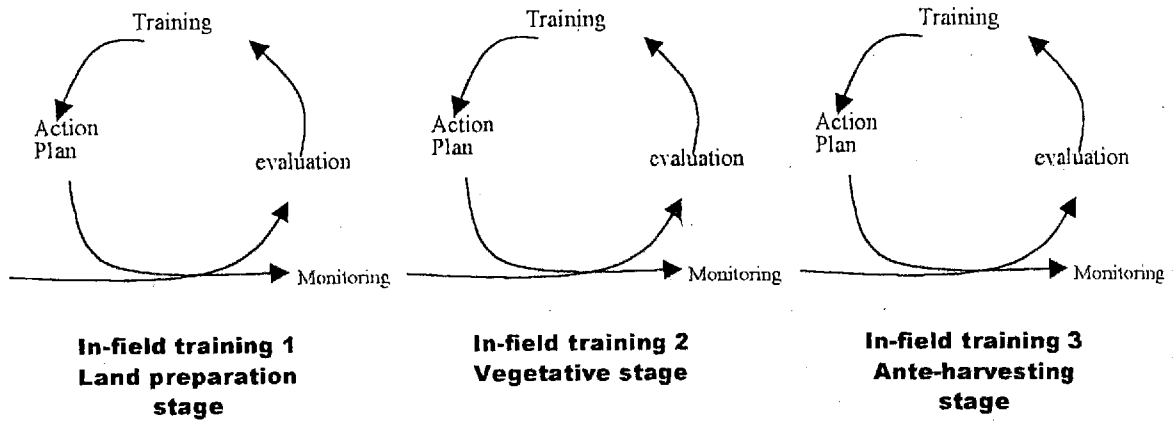
Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions
<b>Super Goal</b> Living standard of rice farmers in the irrigation schemes are improved.			There are no major policy changes.
<b>Overall Goal</b> Productivity of rice increases in the place where the KATC training has been conducted and its surrounding area.	1 Average rice yield per unit area of sample farmers in the training conducted sites and its surrounding area increase X % (determined after the baseline survey) by 2010 compared to 2002.  2 By 2010, efficiency of the rice production activities is improved in the training conducted sites and its surrounding area. (details will be determined after the baseline survey and be shown in annex)	1. base line survey 2. ex-participants report 3. monitoring report	Income is used for better living standards.
<b>Project purpose</b> Irrigated rice production techniques of field personnel and/or key farmers in the irrigated rice farming areas selected by each country are improved.	Number of ex-participants adopting various techniques increased from X (determined by discussion with participating countries) in 2002 to Y (determined by discussion with participating countries) in 2006 in selected irrigated rice farming areas.	1. Evaluation by Agricultural officer, etc. with using the check list made by KATC 2. ex-participants report 3. local consultant survey report	No agricultural policy changes.
<b>Outputs</b> 1 The capability of KATC in conducting the training courses in compliance with the needs of each participating country and with gender consideration is improved.  2 The capability of KATC in collecting and providing useful irrigated rice cultivation information is improved.  <b>Activities</b> 1-1 Prepare the activity plan for the participating countries based on the information obtained. 1-2 Conduct the training courses according to the activity plan. 1-3 Conduct the follow-up guidance according to the activity plan.  2-1 Establish information management system. 2-1 Collect and classify the information. 2-3 Supply the information to the concerned organizations and individuals.	1 In the end of every training courses, more than 80% of ex-participants rank 4 out of 5 in questionnaire.  2-1 By 2006, amount of access to information from outside increases.  2-2 By 2006, bi-monthly newsletters are prepared, and progress reports on technical matters are prepared once a year.		



**Fig. 1 Conceptual diagram of KATC Phase II approach in the model site****Table 1. Summary of the steps in model sites**

Steps	Who participate	What to do	Where	Impact
<b>1</b>	Many farmers	Needs survey Baseline survey	Model site	<ul style="list-style-type: none"> <li>- Farmers' voices are reflected to training programme</li> <li>- Farmers become aware of the programme</li> <li>- Selected farmers will feel responsibility</li> </ul>
<b>2</b>	VEO, leaders, Key farmers	Basic training on irrigated rice cultivation and community mobilisation	KATC	<ul style="list-style-type: none"> <li>- Key farmers gain confidence to organise in-field training programme.</li> <li>- Key farmers broaden their views.</li> </ul>
<b>3</b>	Intermediately farmers	<ul style="list-style-type: none"> <li>- Practical training on irrigated rice cultivation</li> <li>- Identify problems</li> <li>- Make action plan</li> </ul>	Model site 3 times	<ul style="list-style-type: none"> <li>- Effective with repeated training</li> <li>- Tackle actual problems</li> <li>- Key farmers gain skills to train others</li> <li>- Intermediately farmers learn farmer-to-farmer training</li> </ul>
<b>4</b>	VEO, leaders, key farmers and intermediately farmers	Follow-up on extension activities (action plan)	Model site	<ul style="list-style-type: none"> <li>- Farmer-to-farmer extension is practiced</li> <li>- Group work is enhanced</li> <li>- Active use of external information sources by farmers.</li> </ul>
<b>5</b>	All the scheme	VEO, leaders, key farmers and intermediately farmers lead other farmers to continue improving the scheme	Model site	<ul style="list-style-type: none"> <li>- Stronger farmer organisation</li> <li>- Sustained farmer owned extension activity</li> <li>- The model site influences other irrigation schemes.</li> </ul>

**Fig. 2 'Monitoring-evaluation-training-action plan' cycle during the in-field training programme**



KATC Phase II  
Plan of Operations for Whole Period

ANNEX3

Activities		Schedule (Calendar Year)															
		2002			2003			2004			2005			06			
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
(a) In Tanzania																	
<b>1</b>	<b>The concept of and approach to the model sites are established (based on the agreement of all the stakeholders).</b>																
1-1	Study the situation of selected 40 irrigation schemes in order to determine their potential for development.																
1-2	Conduct the group training courses on irrigated rice production techniques for scheme managers, field personnel and key farmers of the selected 40 irrigation schemes.																
1-3	Select model sites based on the criteria to be agreed.																
<b>2</b>	<b>The capability of KATC in identifying training needs is improved.</b>																
2-1	Conduct surveys to identify the situation and problems and to collect baseline data for monitoring.																
2-2	Conduct analysis of the information collected.																
<b>3</b>	<b>Technical training programmes on irrigated rice production are strengthened to meet local needs.</b>																
3-1	Prepare the activity plan to improve irrigated rice production techniques in each model site.																
3-2	Conduct the training courses on irrigated rice production techniques for field personnel and key farmers (with special consideration for women and young farmers) of the model site at KATC.																
3-3	Conduct the field training courses with irrigated rice production skills for field personnel and key farmers (with special consideration for women and young farmers) in each model site.																
3-4	Provide technical assistance to the ex-participants on irrigated rice production at the model site.																
3-5	Monitor the activities of ex-participants in each model site.																
<b>4</b>	<b>Training programmes for improving institutional framework of irrigation schemes are strengthened.</b>																
4-1	Prepare the activity plan to improve the framework for irrigated rice production for each model site.																
4-2	Conduct seminars and workshops for farmers, scheme managers, local government personnel, and other related organizations.																
4-3	Conduct field training courses in the model site on the management of irrigators' associations/cooperative societies and other farmers' organisations for scheme managers, field personnel and key farmers (with special consideration for women and young farmers).																
<b>5</b>	<b>The capability of KATC in collecting and providing useful irrigated rice cultivation information is improved.</b>																
5-1	Establish information management system.																
5-2	Collect and classify the information.																
5-3	Supply the information to the concerned organisations and individuals.																
<b>6</b>	<b>The concept and approach to mainstream gender into planning, implementing and monitoring technical trainings on irrigated rice production are established.</b>																
6-1	Identify women's training needs of selected model sites and integrate them into action plan.																
6-2	Plan, conduct and monitor the technical training of irrigated rice production with gender consideration																
6-3	Plan, conduct and monitor the institutional framework of irrigated rice production with gender consideration																
6-4	Organize gender related information on irrigated rice production.																





KATC Phase II  
Plan of Operations for Whole Period

ANNEX 3 3/10

Activities	Target (Output)	Schedule (Calendar Year)																								Responsible Person / Section	Implementer	Input	Remarks
		2002				2003				2004				2005				2006											
		01	02	03	04	01	02	03	04	01	02	03	04	01	02	03	04	01	02	03	04								
2-1-3	Conduct direct measurement and observation.	Information and data																								WM, RC	All sections		
2-1-3-1	Market survey	Data																								EFT,FD	EFT,FD		
2-1-3-2	Take photographic records of the model site.	Photo																								All sections	All sections	Camera, Film, Digital camera	
2-1-3-3	Sampling for yield determination	Yield data																								RC	RC, Concerned personnel		
2-1-3-4	Carry out soil analysis.	Report on soil fertility status																								RC	RC, Concerned personnel		
2-1-3-5	Estimate the damage levels by insect pests and diseases	Injury levels																								RC	RC, Concerned personnel		
2-1-3-6	Estimate the levels of variety mixing	Report on variety mixtures																								RC	RC, Concerned personnel		
2-1-3-7	Collect weather data.	Temperature data,Rainfall data																								WM	WM, Concerned personnel	Thermometer,Rain recorder,Weather station	1 point /model site,Daily measurement in model sites
2-1-3-8	Measure irrigation data.	Water requirement data Water discharge data																								WM	WM, Concerned personnel	Pegs,Ruler,Automatic water level recorders,Tanks, Current meter,Staff gauge,Life jacket, Boat,Boots,Staff,Pole,etc.	Some points/model site,Daily measurement in model sites
2-1-3-9	Appraise socio-economic situation of the model sites (e.g., school, children, shops, roads, etc.).	Information																								Academic Dept.	All sections		Consider gender relations. Continuous throughout the Project
2-2	Conduct analysis of the information collected.																												
2-2-1	Prepare the database structure.	Database format																											
2-2-1-1	Photographic bank																									EFT	All sections		
2-2-1-2	PRA/PLA																									EFT	EFT		
2-2-1-3	Rice cultivation																									RC	RC		
2-2-1-4	Farming survey																									FD	FD		
2-2-1-5	Irrigation																									WM	WM		
2-2-2	Input data.	Database																										File covers	
2-2-2-1	Photographic bank																									EFT	All sections		
2-2-2-2	PRA/PLA																									EFT	EFT		
2-2-2-3	Rice cultivation																									RC	RC		
2-2-2-4	Farming survey																									FD	FD		
2-2-2-5	Irrigation																									WM	WM		
2-2-3	Analyze data.	Summary of analyses																											
2-2-3-1	Photographic bank																									EFT	All sections		
2-2-3-2	PRA/PLA																									EFT	All sections		
2-2-3-3	Rice cultivation																									RC	RC		
2-2-3-4	Farming survey																									FD	FD	Short term expert on farming survey 2	
2-2-3-5	Irrigation																									WM	WM		









KATC Phase II  
Plan of Operations for Whole Period

ANNEX 3 7/10

Activities	Target (Output)	Schedule (Calendar Year)												Responsible Person / Section	Implementer	Input	Remarks				
		2002			2003			2004			2005							06			
		1	2	3	1	2	3	1	2	3	1	2	3					1	2	3	
3-4-6	Evaluate the technical assistance activities.																	Academic Dept.	All sections, Participants		Include review in terms of gender mainstreaming
3-4-6-1	Carry out evaluation at the end of each activity.																	Academic Dept.	All sections		
3-4-6-2	Hold annual evaluation at KATC..																	Academic Dept.	All sections		
3-4-6-3	Make a report.																	Academic Dept.	All sections		
3-5	Monitor the activities of ex-participants in each model site.																				
3-5-1	Prepare monitoring format.																				
3-5-1-1	Photographic data format																	EFT	All sections		
3-5-1-2	Monitoring format for action plans																	BFT	All sections		
3-5-1-3	Farm record format (incl. Household activities and expenditure)																	FD	All sections	Short term expert, C/P training	
3-5-1-4	Field trials format																	RC	RC		
3-5-1-5	Monitoring format for extension activities (VEO and key farmers)																	EFT	All sections		
3-5-1-6	Monitoring format for water management																	WM	WM		
3-5-1-7	Format for monitoring general situation of the model sites (e.g., school, childrens, shops, roads, etc.)																	Academic Dept.	All sections		
3-5-2	Conduct participatory monitoring.																				Consider gender balance of the participants
3-5-2-1	Organise farmers meeting to discuss progress of their activities																	EFT	All sections, Schemes		
3-5-2-2	Review and modify the action plan in each training course																	All sections	All sections, Schemes		
3-5-2-3	Recording the demonstration activities																	EFT	Relevant persons in model sites		
3-5-2-4	Recording the field trial activities and results																	RC	Relevant persons in model sites		
3-5-3	Collect and confirm records and data.																				Sex disaggregated data
3-5-3-1	Collect records.																	All sections	All sections		
3-5-3-2	Check the validity of the records.																	All sections	All sections		
3-5-4	Carry out direct observation																				
3-5-4-1	Take photographs																	All sections	All sections		
3-5-4-2	Take records on general situation of the model sites.																	All sections	All sections		
3-5-4-3	Check condition of irrigation facilities, water level in the paddy field, etc.																	WM	WM, Concerned personnel		Every season
3-5-5	Process the data and interpret the results.																			Short term expert	
3-5-5-1	Compare data with baseline data																	Academic Dept.	All sections		
3-5-5-2	Prepare the database structure.																	All sections	All sections		
3-5-5-3	Input data.																	All sections	All sections		
3-5-5-4	Analyze data.																	All sections	All sections		Consider gender aspects
3-5-5-5	Interpret the results																	All sections	All sections		
3-5-5-6	Preparation of report																	All sections	All sections		
3-5-6	Evaluate the monitoring activities (including feedback).																				Once a year
3-5-6-1	Conduct meetings for evaluation in model sites.																	KATC	KATC and relevant persons in model sites		
3-5-6-2	Prepare report																	All sections	All sections		Including reviews in terms of gender mainstreaming

KATC Phase II  
Plan of Operations for Whole Period

ANNEX 3 8/10

Activities	Target (Output)	Schedule (Calendar Year)												Responsible Person / Section	Implementer	Input	Remarks				
		2002				2003				2004								2005			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					Q1	Q2	Q3	Q4
<b>4</b>	<b>Training programmes for improving institutional framework of irrigation schemes are strengthened.</b>																				
4-1	Prepare the activity plan to improve the framework for irrigated rice production for each model site.																				
4-1-1	Prepare yearly farm operations calendar for each model site.	Operation calendars																	Short term expert, C/P training		
4-1-1-1	Compile data for calendar formulation.	Format																			
4-1-1-2	Conduct meetings with scheme managers, extension officers, farmers and other personnel to discuss existing operation calendar and improve it at each model site.	Improved operation calendars Land preparation calendars Weeding and harvesting calendars Management and maintenance calendars Irrigation plan O&M schedule																	Consider gender division of labour		
4-1-2	Prepare plan for seminars and workshops	Plan																			
4-1-2-1	Planning of workshops.	Plan																	All sections		
4-1-2-2	Planning of seminars.	Plan																	All sections		
4-1-3	Prepare plan for field training at model sites.	Plan																	All sections		
4.2	Conduct seminars and workshops for farmers, scheme managers, local government personnel, and other related organizations.																				
4-2-1	Conduct seminars and workshops for improvement of rice production.	Proceedings																			
4-2-1-1	Conduct seminars.																		All sections		
4-2-1-2	Conduct workshops.																		All sections		
	e.g. Quality seed production, Azolla utilisation, Rice research activities, Paddy soils constraints and management, Utilisation of rice products and by-products, Integrated rice pest management, Crop losses																		RC		
	e.g. Farming survey, Improvement and utilization of agricultural tools and equipments in rice cultivation, Improvement and use of animal power in rice cultivation, Tractor and power tiller operation and maintenance																		FD		
	e.g. Operation and maintenance, Management of irrigation organizations	Proceedings																	W&M		
	e.g. Gender related issues																		Academic Dept.		
4-2-2	Conduct seminars and workshops for promotion of linkages (guidance for local government, exchanging experiences, etc.).	Proceedings																			
4-2-2-1	Conduct seminars.																				
4-2-2-2	Conduct workshops.																				
	e.g. Farmers exchange, Participatory approaches	Proceedings																	EFT		
	e.g. Planning the training activities for each model sites, Evaluating the training activities for each model sites, Exchanging the experiences among the model sites																		All sections		

KATC Phase II  
Plan of Operations for Whole Period

ANNEX 3 9/10

Activities	Target (Output)	Schedule (Calendar Year)												Responsible Person / Section	Implementer	Input	Remarks			
		2001		2002		2003		2004		2005		2006								
		4	1	2	3	4	1	2	3	4	1	2	3					4	1	2
e.g. Management of irrigation organizations, Exchanging of experiences among model sites and other related organizations	Proceedings																WM	All sections	Resource persons	3days/seminars/workshops, 1 practice/visit/model site, Once/year (W/F)
e.g. Gender related issues																	Academic Dept			According to gender needs
<b>4-3</b> Conduct field training courses in the model site on the management of irrigators' associations/cooperative societies and other farmers' organisations for scheme managers, field personnel and key farmers (with special consideration for women and young farmers).																				invite gender focal point
4.3-1 Prepare teaching materials.	Teaching materials																All sections	All sections	Colour printer	
4.3-2 Conduct the training (e.g. formation and registration of organisations, accounting, group dynamics, etc.).	Training courses																All sections	All sections	Short term expert	
4.3-3 Evaluate the course.	Evaluation report																			
4-3-3-1 Carry out session evaluation by participants. (subject by subject)	Evaluation format																Academic Dept.	Participants		
4-3-3-2 Carry out course evaluation at the end of each course.																	Academic Dept.	Participants		
4-3-3-3 Hold evaluation meetings.																	Academic Dept.	All section		
4-3-3-4 Make a report.	Report																Academic Dept.	All section		
<b>5</b> The capability of KATC in collecting and providing useful irrigated rice cultivation information is improved.																				
<b>5-1</b> Establish information management system.																			Short term expert	
5-1-1 Install necessary equipment.																			Computer	
5-1-1-1 Make a list of necessary equipment needed and procure them (computer, colour printer, air conditioner, etc.)	List of equipment																Academic Dept.	All sections		
5-1-1-2 Allocate a room for the information unit and modify the room	Room																KATC, Principal	KATC, Principal		
5-1-1-3 Install hardware and software	Hardware and software																Academic Dept.	Academic Dept.		
5-1-2 Recruit and train personnel.	Qualified personnel																			
5-1-2-1 Recruit personnel	Personnel																DTI	DTI		
5-1-2-2 Train recruited personnel	Qualified personnel																Academic Dept.	Academic Dept.		
5-1-3 Establish appropriate system for running the information unit.	Operation regulation																IU	All sections		
5-1-3-1 Study other information units.	Information																			
5-1-3-2 Set regulations of the unit.	Regulations																			
<b>5-2</b> Collect and classify the information.																			Books	
5-2-1 Establish a system for acquiring information.	System																IU	All sections		
5-2-1-1 Establish system to collect information within KATC.	Information																			
5-2-1-2 Establish system to collect information from other institutions.	Information																			
5-2-2 Establish information storing and handling system.																				
5-2-2-1 Compile information. (Digitise, bind, file, etc.)	Compiled information																IU	IU		
5-2-2-2 Store and organise the information obtained.	Stored information																IU	IU		
5-2-2-3 Prepare the handling procedure.	Procedure																IU	IU		



KATC Phase II  
Plan of Operations for Whole Period (RTCPP)

ANNEX 3

Activities		Schedule (Calendar Year)																				
		2002				2003				2004				2005				06				
		01	02	03	04	01	02	03	04	01	02	03	04	01	02	03	04	01	02	03		
<b>1</b>	<b>The capability of KATC in conducting the training courses in compliance with the needs of each participating country and with gender consideration is improved.</b>																					
1-1	Prepare the activity plan for the participating countries based on the information obtained.																					
1-2	Conduct the training courses according to the activity plan.																					
1-3	Conduct the follow-up guidance according to the activity plan.																					
<b>2</b>	<b>The capability of KATC in collecting and providing useful irrigated rice cultivation information is improved.</b>																					
2-1	Establish a system for acquiring information.																					
2-2	Collect and classify the information.																					
2-3	Supply the information to the concerned organisations and individuals.																					

*Ms*

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KATC Phase II  
Plan of Operations for Whole Period (RTCPP)

ANNEX 3 3/3

Activities	Target (Output)	Schedule (Calendar Year)												Responsible Person / Section	Implementer	Input	Remarks																
		2001				2002				2003								2004				2005				06							
		1	2	3	4	1	2	3	4	1	2	3	4					1	2	3	4	1	2	3	4	1	2	3	4				
2-3	Supply the information to the concerned organisations and individuals.																																
2-3-1	Publish and distribute periodical newsletters.	Newsletters																															
		Distribution list																															
2-3-2	Publish and distribute leaflets and booklets.	Leaflets																															
		Booklets																															
		Distribution list																															
2-3-3	Respond to relevant inquiries.	Records																															
2-3-4	Establish and maintain KATC web-site.	Web-site																															

## CRITERIA FOR SELECTING MODEL SITES

1. Water availability for irrigation
  - Presence of adequate and reliable source of irrigation water
2. Accessibility throughout the year especially during rainy season
3. Irrigation infrastructures
  - Rehabilitated traditional or semi-improved scheme
  - Presence of good / improved irrigation facilities and structures (e.g. permanent weir, irrigation canals, etc.)
4. Good co-operation from the scheme beneficiaries, scheme personnel and District officials
5. Extension Officer allocated to the scheme area
  - Preferably irrigation technician assigned for the scheme
6. Representative of other schemes
  - With similar agro-ecological environment
  - Considering the geographical distribution
  - Efficiency
  - Capacity of KATC
7. Farmers' organization
  - Already registered irrigation association / co-operative society
  - Membership rate > 40 % (flexibility)

N.B: Suggested number of model sites – 6

- To accomplish this task will be through analysis of information collected from the 40 schemes.
- Ranking will be based on the proposed criteria.



Input from Japanese side

2002/5

JFY Month	2001				2002				2003				2004				2005			
	4	7	10	1	4	7	10	1	4	7	10	1	4	7	10	1	4	7	10	1
Long-term experts	Chief Advisor (H.Koda)																			
	Coordinator (A.Onishi)																			
	Extension and farmers training (K.Shiratori)																			
	Rice cultivation / Farming Management (K.Ohara)																			
	Irrigation management (H.Uno)																			
Short-term experts	Schistosomiasis (M.Shimada) — 2/2-2/28 Farming Survey (H.Furutsuka) — 2/18-3/25 Gender (E.Ikeda) — 4/10-6/21																			
Provision of machinery	Vehicle, Computer, Photocopy machine, Projector, etc.																			
	<ul style="list-style-type: none"> <li>• 10/8 Books, etc. (Ohara) • 4/15 Record paper, etc. (Koda)</li> <li>• 10/19 Video camera (Shiratori)</li> <li>• 11/1 CD-RW Drive, etc.(Koda, Onishi)</li> <li>• 3/6 Software, etc. (Uno)</li> </ul>																			
Local cost (1,000JPY)	General expenditure 4,000 Training 4,424				General expenditure 3,630 Training 10,753 RTCPP 17,870															

## Provision of Machinery

(Machinery costed more than ¥1.6 million)

2002/5

JFY	No.	Name	(Maker·Model)	Price (JPY1,000)	Qty.	Responsible Section	Condition of use	Condition of maintenanc	Remarks
2001	1	Vehicle	Nissan Patrol	4,051	1	Administration Dept	A	A	
2001	2	Vehicle	Nissan Patrol	4,051	1	Administration Dept	A	A	
2001	3	Vehicle	Nissan Patrol	4,051	1	Administration Dept	A	A	

(Machinery costed less than ¥1.6 million)

May.02

JFY	No.	Name	(Maker· Model)	Price (JPY)	Qty.	Responsible Section	Condition of use	Condition of maintenance	Remarks
2001	1	Book	Nobunkyo Science of the Rice Plant vol.1 Morphology	28,000	1	Rice Cultivation	B	B	
2001	2	Book	Nobunkyo Science of the Rice Plant vol.3 Genetics	43,000	1	Rice Cultivation	B	B	
2001	3	Book	Nobunkyo Science of the Rice Plant Supple.vol.1 Indices	9,000	1	Rice Cultivation	B	B	
2001	4	CD-ROM	Nobunkyo Byogaichu·Zasso-no-shindan-to-bojo	190,477	1	Rice Cultivation	B	B	
2001	5	CD-ROM	Nobunkyo Nogyo-gijutsu-taikai·Kensaku-yo	211,640	1	Rice Cultivation	B	B	
2001	6	Software	Microsoft Windows 2000 Professional	38,700	1	Rice Cultivation	C	B	
2001	7	Software	Microsoft Office XP Professional Special Edition	41,800	1	Rice Cultivation	C	B	
2001	8	Extension Memory	Melco VN-100-128MW (128MB)	20,000	1	Rice Cultivation	A	A	
2001	9	Digital Video Camera	Sony DCR-PC110E (PAL System)	223,000	1	Extension	B	A	
2001	10	Battery Pack	Sony NP-QM91 (for 01-009)	15,300	1	Extension	B	A	
2001	11	Semisoft Case	Sony LCM-PCA (for 01-009)	4,000	1	Extension	B	A	
2001	12	Link Cable	Sony VMC-IL4415A (for 01-009)	3,000	1	Extension	B	A	
2001	13	Memory Stick	Sony MSA-64AN 64MB (for 01-009)	9,000	1	Extension	B	A	
2001	14	Carrying Case	Sony MSAC-A8 (for 01-013)	1,300	1	Extension	B	A	
2001	15	PC Card Adapter	Sony MSAC-PC2N (for 01-013)	6,700	1	Extension	B	A	
2001	16	Floppy Disk Adapter	Sony MSAC-FD2MA (for 01-013)	7,500	1	Extension	B	A	
2001	17	Software	Adobe Premiere ver.6 (English)	79,000	1	Extension	B	A	
2001	18	Cutting Mat	Kokuyo MA-43N	3,900	1	Extension	B	A	
2001	19	Brush for OA Supply	Kokuyo EAS-BRZY	400	1	Extension	B	A	
2001	20	Digital Memory Recorder	Olympus VOICE TREK DM-1	29,700	1	Extension	B	A	
2001	21	Smart Media	Melco RFD-ID64MB (for 01-020)	5,000	2	Extension	B	A	
2001	22	PC Card Adapter	Melco RFD-A2 (for 01-021)	3,900	1	Extension	B	A	
2001	23	CD-ROM	Nobunkyo Gendai-Nogyo 2001	100,400	1	Rice Cultivation	B	B	
2001	24	Book	Nobunkyo Science of the Rice Plant vol.2 Physiology	47,142	1	Rice Cultivation	B	B	
2001	25	Software	Mediadrive E-Typist International for Windows	33,000	1	Administration	C	B	
2001	26	Software	Symantec Norton Internet Security 2001 ver.3.0	6,630	1	Administration	C	B	
2001	27	Software	Microsoft Power Point 2002	25,000	1	Administration	C	B	
2001	28	Software	Microsoft Windows 2000 Pro. Up-Grade	17,100	1	Administration	C	B	
2001	29	CD-RW Drive	I/O Data CD-RWD-RX1210J	26,400	1	Administration	B	B	
2001	30	SCSI Card	I/O Data CBSCII	7,220	1	Administration	B	B	
2001	31	Circular Saw		34,200	1	Farming Developm	B	A	
2001	32	Jig Saw		33,600	1	Farming Developm	B	A	
2001	33	Hacksaw		900	3	Farming Developm	B	A	
2001	34	Hacksaw		300	2	Farming Developm	B	A	

2001	35	Software	Symantec	Norton Anti-Virus 2002(E)	7,700	10	Water Managemer	B	B	
2001	36	Software	IBM	Homepage Builder Ver.6.5J	12,500	1	Water Managemer	B	B	
2001	37	ZIP Drive			35,700	1	Administration	A	A	
2001	38	Mobile Phone	Motorola	Talkabout T2288	14,000	1	Administration	A	A	
2001	39	Stapler	Rexel	Giant No.02030		2		B	B	
2001	40	Scissors	Savoy			4		B	B	
2001	41	Laminating Machine		FGK320Lamipacker		1	Administration	C	B	
2001	42	Scientific Calculator	Casio	fx-100W	4,000	30	Water Managemer	C	B	
2001	43	Multimedia Projector	Sanyo	PLC-SW20	635,700	2		A	A	
2001	44	Comb Binder	Rexel	CB400	92,900	1	Extension(Library)	B	A	
2001	45	Photocopy Machine	Canon	NP6320		1	Extension(Library)	A	A	
2001	46	Pointer	Kokuyo	Sashi-2	1,350	6		B	B	
2001	47	UPS	APC	Back-UPS 650		8		A	B	
2001	48	Printer	HP	Deskjet 920C		3		A	B	
2001	49	Computer (Desktop)	DELL	DHM Dimension 4400		1		A	A	
2001	50	Computer (Desktop)	DELL	DHS Dimension 4300S		1		A	A	
2001	51	Computer (Desktop)	DELL	DHS Dimension 4300S		1		A	A	
2001	52	Computer (Desktop)	DELL	DHS Dimension 4300S		1		A	A	
2001	53	Computer (Desktop)	DELL	DHS Dimension 4300S		1		A	A	
2001	54	Computer (Laptop)	Toshiba	Satellite PS183C-00VF1		1		A	A	
2001	55	Computer (Laptop)	Toshiba	Satellite PS183C-00VF1		1		A	A	
2001	56	Chair	Vijana Associates			19	Extension(Library)	A	B	
2001	57	Easy chair	Vijana Associates			4	Extension(Library)	A	B	
2001	58	Coffee table	Vijana Associates			1	Extension(Library)	A	B	
2001	59	Stool	Vijana Associates			4	Extension(Library)	A	B	
2001	60	Study table	Vijana Associates			6	Extension(Library)	A	B	
2001	61	Counter	Vijana Associates			1	Extension(Library)	A	B	
2001	62	Bag deposit	Vijana Associates			1	Extension(Library)	A	B	

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## Assignment of Counterparts

5/2002

	JFY NAME	Assignment												C/P Training in Japan		Remark				
		2001			2002			2003			2004			Year						
		4	7	10	1	4	7	10	1	4	7	10	1	4	7		10	1		
Head =	W.Ngirwa																	2002	MAFF	
Director =	R.S.Kapande																	2002	MAFF	
Manager	R.J.Shayo																			
Assist. Manager	A.G.Pyuza																			
Extension And Farmers Training	E.S.Massawe																			
	M.Mtika																			
	W.Ndoro																			
	A.Mshumba																			
	D.Uhwello																			
	M.Pyuza																			
Rice Cultivation	N.Mvukiye																			
	J.Omari																			
	M.Matinka																			
Farming Development	E.W.Mkojera																			
	G.Mshanga																			
	E.Mziray																			
	Z.Sarakikya																			
	A.Lusake																			
	P.G.Mihayo																			
	S.Kassian																			
	N.Tenga																			
Water Management	G.Maregesi																			
	G.Marawitti																			