

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

In Tanzania

Date: 18/11/2004

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumptions
Super Goal Living standards of rice farmers in the irrigation schemes are improved.			There are no major policy changes.
Overall Goal Productivity of rice increases in the place where KATC training has been conducted and surrounding area.	1 Average rice yield of sample farmers in the training conducted sites and surrounding area increase by 25 % by 2010 compared to the national average of 2002 (2.5t/ha). 2 By 2010, the net return rate from rice to family farm in the training conducted sites and surrounding area increase compared to those of 2002. (for the formula of the net return rate.)	1.Base line survey 2.Ex-participants report 3.Monitering report	Income is used for better living standards.
Project purpose 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 by 12-43% by 2005 compared to 2002. 2 By 2005, the net return rate from rice in all the model sites increase compared to those of 2002. 3 By 2005, properly irrigated area increase in all the model sites compared to those of	1.Base line survey 2.Ex-participants report 3.Local consultant survey report 4.Farming survey (Targets are 20 Key Farmers, 30 Intermediate Farmers, and 10 other farmers.) 5.Yield survey	No agricultural policy changes.
Outputs 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 program are strengthened to meet local needs.	1 By the end of August, 2002, six (6) model sites are selected on the basis of the criteria. 2-1 At the beginning of every training course, more than 90% of course participants agree with the course contents as relevant to their needs. 2-2 In more than 80% of training courses, more than 80% of training participants rank A or B in questionnaire. (Evaluation will be done by 5-graded form (A:Excellent, B:Very Good, C:Good, D:Fair or Satisfactory, E:Poor) 3-1 By 2005, 80% of Key Farmers adopt at least 80% of basic field techniques learnt and 80% of Intermediate Farmers adopt at least one basic field technique learnt. (for the items of basic field techniques.) 3-2 By 2005, technical standards on rice cultivation are established in all model sites through field trial activities conducted by field personnel and key farmers. (for the items of technical standards.) 3-3 By 2005, the final versions of technical manuals for each model site is prepared based on local needs. 3-4 Modified field training programme(s), which encourage districts to adopt KATC trainings as an implementation tool of their DADP, are developed.	1.Minutes of Joint Coordinating Committee 2.Criteria 1.Training report 2.Questionnaire 3.Evaluation for each training 1.Training report 2.Monitoring report 3.Technical standards summarised by Rice Cultivation section 4.Local consultant survey report 5.Farming survey 6. Training report	The ex-participants remain in the irrigation scheme. District levels recognise the importance of improved rice farming and implement extension.

<p>4 Training program for improving institutional framework of irrigation scheme is strengthened.</p>	<p>4-1 Implementation plan (IP) for each model site is prepared, implemented, and revised based on the implementation result jointly by district, scheme, zonal irrigation office and KATC, with the special emphasis on cost sharing.</p> <p>4-2 By 2005, farm operation calendars and plans are prepared, carried out and evaluated by managing personnel, key farmers and intermediate farmers in each model site. (Farm operation calendars and plans include; farm operation, water distribution plan, canal maintenance and management plan, and organisational activity plan.)</p> <p>4-3 By 2005, active membership of irrigators' association/cooperative societies in each model site increase compared to 2002. ("Active members" are paying membership fee and participating O&M activities.)</p> <p>4-4 The manual/guide for strengthening institutional framework is prepared by the end of the project.</p>	<p>1.Training report 2.Farm operation calendar 3.Evaluation report 4.Interview 5.Seminar and workshop proceedings 6.Local consultant survey report 7.Field survey</p>	
<p>5 The capability of KATC in collecting and providing useful irrigated rice cultivation information is improved.</p> <p>6 The concept and approach to mainstream gender into plan, implement and monitor technical training on irrigated rice production are established.</p>	<p>5-1 By 2006, library database and classified information database are established.</p> <p>5-2 By 2006, four Kiswahili & two English newsletters in a year and annual technical progress reports are prepared, and web-site of KATC is established and revised on monthly basis.</p> <p>6-1 Project activities are implemented according to the gender checklist based on Plan of Operation.</p> <p>6-2 Through the project period, the percentage of women participants in Key Farmers course and in-field training is more than 45% by considering gender needs in model sites.</p> <p>6-3 By 2006, at least one specialized subject training based on Gender needs is conducted for and the activity is adopted in each model site.</p>	<p>1.Database 2.Newsletters, progress report</p> <p>1.Baseline survey report 2.Training report 3.Monitoring report 4.Local consultant survey report 5.Gender checklist</p>	
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 farmers) of the model site at KATC.</p> <p>3-3 Conduct the field training with irrigated rice production skills for field personnel and key farmers (with special consideration for women 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>3-6 Verify and confirm the applicability of KATC training programme.</p>	<p>Japanese side</p> <p>1.Dispatch of Japanese Experts (1)Long-Term Experts (maximum 5 persons) Chief Advisor Coordinator Other Long-Term experts</p> <ul style="list-style-type: none"> • Extension and farmers training • Rice cultivation • Irrigation management • Farming Management <p>(2)Short-Term Experts</p> <p>2.Provision of Machinery and Equipment</p> <p>3.Training of Tanzanian Counterpart Personnel in Japan</p> <p>4.Dispatch of a Survey Team</p>	<p>Tanzanian side</p> <p>1.Assignment of Tanzanian Personnel</p> <p>(1)Project Director (2)Project Manager (3)Counterpart personnel in the field of</p> <ul style="list-style-type: none"> • Extension and farmers training • Rice cultivation • Irrigation Management • Farming Management <p>(4)Counterpart personnel for short-term Experts (5)Administrative personnel (6)Other necessary personnel mutually agreed upon as necessary</p> <p>2. Local Running Expenses</p> <p>3.Provision of lands, buildings and other necessary facilities</p>	<p>Weather conditions remain favorable to irrigated rice farming.</p>

<p>4-1 Prepare, implement and revise Implementation Plan (IP) for each model site with district, scheme, zonal irrigation office.</p> <p>4-2 Improve the management of irrigators' associations/cooperative societies in model sites.</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><i>[Gender related activities are reflected on above activities. They are not treated as the independent field.]</i></p> <p>6-1 Identify Gender training needs of selected model sites and integrate them into Implementation plan.</p> <p>6-2 Plan, conduct and monitor the technical training of irrigated rice production with gender consideration.</p> <p>6-3 Organise gender related information on irrigated rice production.</p>			<p style="text-align: center;">Pre-conditions</p> <p>Rice farmers in the selected irrigation schemes agree with the objectives of the project.</p> <p>Security situation of the country remains stable, and safety of property at KATC is assured.</p>
--	--	--	---

*sample farmer : directly and indirectly contacted farmer