

Wish Analysis at Marigat Youth Polytechnic
(3rd April 2000)

	Ten things they wish for Youth polytechnic	Best five out of ten	Best one out of five
Kokoto Group	<ol style="list-style-type: none"> 1. Youth polytechnic should start work fast 2. Increase the enrolment of students 3. Improve the number of skilled teachers 4. Youth polytechnic to buy ballast from us 5. Make orders of ballast 6. Teach skills on how 7. Modern facilities for ballast making 8. Table cloth, bangles making 9. Rope making 10. Modifying old tools 	<ol style="list-style-type: none"> 1. Increase the enrolment of students 2. Youth polytechnic to buy ballast from us 3. Table cloth, bangles making 4. Modern facilities for ballast making 5. Improve the number of skilled teachers 	<ol style="list-style-type: none"> 1. Modern facilities for ballast making
Business group	<ol style="list-style-type: none"> 1. High quality products 2. Graduates of high standards 3. Experienced staff 4. I.G.A income generating activities 5. Provision of available products 6. Provision of affordable products 7. Constant enrolment of students 8. Organize study tours for students 9. Organize training and seminars to the committee 10. Display of products in shows 	<ol style="list-style-type: none"> 1. Display of products in shows 2. High quality products 3. Experienced staff 4. Income generating activities 5. Organize study tours for students 	<ol style="list-style-type: none"> 1. Display of products in shows
Teachers Group	<ol style="list-style-type: none"> 1. High enrollment of students 2. Provide training materials 3. Provide boarding materials 4. Provide enough instructors for each department 5. Good security for new students 6. Good teaching tools 7. Good instructing methods 8. Maintain discipline of students 9. Good management of the polytechnic 10. Maintenance of polytechnic property 	<ol style="list-style-type: none"> 1. Provide training materials 2. High enrollment of students 3. Good management of the polytechnic 4. Maintain discipline of students 5. Good security for new students 	<ol style="list-style-type: none"> 1. Good management of the polytechnic
Students Group	<ol style="list-style-type: none"> 1. Have an expert in carpentry department 2. Provision of short courses 3. Have carpentry enough tools 4. Encourage production of new products 5. Increase employment 6. Increase industrial production 7. Provision of equipment 8. Introduce study tours 9. Increase income generating activities 	<ol style="list-style-type: none"> 1. Have carpentry enough tools 2. Have an expert in carpentry department 3. Encourage production of new products 4. Provision of short courses 5. Encourage production of new products 	<ol style="list-style-type: none"> 1. Have carpentry enough tools
Carpentry and Joinery	<ol style="list-style-type: none"> 1. Increase number of tools 2. Provide equipment 3. Create jobs 4. Improve existing skills 5. Generate capital 6. Introduce short courses 7. Expand production section 8. Increase number of expert instructors 9. Provide modern new facilities 10. Introduce new courses 	<ol style="list-style-type: none"> 1. Increase number of tools 2. Improve existing skills 3. Increase number of expert instructors 4. Provide modern new facilities 5. Introduce new courses 	<ol style="list-style-type: none"> 1. Provide modern new facilities
Jua Kali	<ol style="list-style-type: none"> 1. Arc welding 2. Gas welding cylinder 3. Engineering vice 4. Toolkit 5. Electric bench driving 6. Electric hand drilling machine 7. Battery charger 8. Electric angle grinding 9. Anvil machine 	<ol style="list-style-type: none"> 1. Arc welding 2. Engineering vice 3. Electric bench driving 4. Electric angle grinding 5. Toolkit 	<ol style="list-style-type: none"> 1. Electric bench driving

Vote for Approaches at Marigat Youth Polytechnic
(7th April 2000)

Approach	First round Vote	Vote
7	Low number of Dependency	44
5	Increased job opportunities	31
1	High pricing of products	16
2	Improve marketing of Jua Kali products	14

Approach	Second round Vote	Vote
7	Low number of Dependency	13
5	Increased job opportunities	64
1	High pricing of products	27
2	Improve marketing of Jua Kali products	38

MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT.

The Participatory Approaches
Expert – JICA Study Team

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Ref: Brief Report on P C M Workshops held during second field study phase.

The JICA Study team arrived in the division on 11/3/2000 having delayed for about two months as per work schedule time.

The main purpose of the PCM (project cycle management) workshops was to:

- Review the objectives tree discussion
- Explanation of Master Plan and the Verification Projects through discussion
- Analysing the objective of each project and the main actor and stakeholders.
- The group weakness, strength and threading assumptions.
- New technologies and new ideas.

The Verification Projects were clustered into similar conditions, ethnicity, and topography. In each Verification site, PCM was held twice with an interval of about two weeks. The first session took two days while the second session took three days.

I. First verification Project: Food Security Arabal area through improvement of rainfed Agriculture and improve animal breed, animal health improvement. Tick control. PCM venue Arabal Nursery School dates 16 – 17 / 3/ 2000 and 10, 11 – 12 / 4 / 2000.

During the workshop session the participants discussed freely except some women who kept low profile. There was an improvement when the participants were divided into groups – villages and different activities such as – dip committee, Partalo Agriculture group, and livestock improvement group.

Also the participants received a short report from the four people who had gone to tour “ Learning from best practices “ (Keiyo Kitui and Samburu districts)

II. Second Verification Projects: Sandai Communal Resource Management – irrigation and livestock improvement The participants were guided by their earlier objective tree to see which way best suit improvement and maximize usage of little irrigation water to cover bigger expanded farms.

The groups were divided into three groups as follows:

- a) Upper side

- b) Middle site
- c) Tail end side – the most hit group in terms of getting some water

The group discussed for a longer period and they came up with their suggestions how to tackle the water problem.

The Sandai (group) participants were more understanding as compared to other groups, however there were two to three people who liked to dominate the discussion process. During PDM discussion most participants did not know what exactly the term “ Important Assumption “ we did explain – condition outside there reach which must make the project success.

The ratio of male to female was roughly 1:1 (50 %)

III. Third verification project: Kampi ya samaki 23, 24, 25/3/2000 and 27 – 28 – 29 /2000. Small scale industry and honey processing.

The first workshop session had about 18 participants. The reason was that the leaders from other location Bartum (which is outside study area) said they were not informed about the workshop. They wanted to be included in all process i.e. identification, planning, implementation and monitoring and evaluation. This stalemate was discussed at length and agreement reached.

During the second session of PCM there was a large number of participants about 200 all women. This session also took three days and the groups were divided as follows:

- 1) Fish group processing
- 2) Honey processing group
- 3) Handicraft – Belts
- 4) Handicraft - Basket/ mat

Each group presented its activities the following day and it went all smoothly. The last day of second session there aroused some tough discussion as pertain the project purpose name.

“ Salabani Women “ was the main NAME, which other women group from non-study area, were disputing. They argued that they wanted a name, which covers all the stakeholders. It was explained to them that the Study team was only covering Marigat and Mukutani divisions and thus there was no provision of other divisions to dominate or force the change of name.

IV. Fourth verification project: – rehabilitation of water pan at Lekericha: 28 – 29 –30 – 31/ 3/2000 and 2/3/5/2000.

The community discussed the possible means and ways of rehabilitation of water pan and requested for roof catchment tank for Rugus Primary School. The women said the lekirricha water pan was too far for pupils to fetch water during school days.

After long discussion it was agreed that the community to take active role in rehabilitation of the pan. And as such a one week period for verification in silt scooping. 20 people worked for four days and excavated 56.1 m square of soil- each person about 0.3 m cubic.

During second PCM the participants discussed other options of pan disilting and a bulldozer was agreed upon. The estimated cost to be contributed by community was 8000-1000 ksh. For fuel for crawler.

V. Fifth verification project: Marigat Youth Polytechnic 3-7/4/2000.

This was the first PCM to be held there and many participants did not understand what was happening until the second day. This included Jua kali artisans, business people, farmers and management committee plus instructor / students.

We did problem tree analysis which took a lot of time before the participants could understand. The first day there was 50 people while the last day there were 27 people. On 8th April 2000 we did plan of Action and Project design matrix with the instructors from the Polytechnic. This also took some time before the participants could understand the process.

Conclusion and Observation

Generally the PCM workshops were fruitful in that the participants understood their problems and how they could solve those problems.

- A regular follows up of the projects to be undertaken for the success of the verification sites.
- The outside Locations not covered by verification be encouraged to visit the nearest sites.
- After the educational tour – team should organize workshop to review what was seen and learnt during those tours.
- Monitoring and Evaluation be continuous process throughout the 18 months verification period – using the set out quantified or assessed indicators.
- Most participants did not understand exactly what “ Important Assumptions are ”(internal and external).
- During the next few months I shall be accompanying different different groups

to see how they are performing according to the activities we analyzed during these PCM workshops.

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Plan of Action of Kampi ya Samaki
(Revised on 8th August 2000)

1. Multi-purpose building is constructed and managed properly						
Activities	Expected results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))
1.1 Group Meeting	Select officials	15 officials	Good	8th April 2000		Social Services Officer
1.2 Application for plot	Shown site to build	Measured and signed	Good	13th April 2000		Chairlady, members
1.3 Plot allotment	Members shown the plot	Putting marking pegs	Good	13th April 2000		Chairlady, surveyor, County council
1.4 Workshop Seminar to women group	Members taught how to move forward	Map complete	Good	19th April 2000		Lovee Chupkongwa Ojawa, Kabiro
1.5 Map drawing	See sketch map layout	Discuss procedure of construction	Good	18th April 2000		Architecture Muungano Group
1.6 Committee Meeting	Discuss methods to raise money	Construction	Good	29th April 2000		JICA Architecture
1.7 Constructor	Arrange quotations for building	Foundation measurements	Good	18th April 2000		Muungano Group JICA
1.8 Collect construction tools	Dig foundation	Start together as one team	Good	29th April 2000		Committee, constructor
1.9 Training committees and members	Members participate in the training	Officials teach the members	Good	15th April 2000		Muungano Group
1.10 By-laws	Respect rules	Rules followed to full	Good	2-6th May 2000		Committee, Muungano group
1.11 Measurement of foundation	Correct measurements	Construction starts	Good	1st week of May 2000		Constructor Muungano Group
1.12 Excavation of foundation	Digging required level	Construction starts	Good	1st week of May 2000		Committee of Muungano Group
1.13 Constructor continues	Building to be completed	Building is completed		Beginning of October 2000		Muungano Group
1.14 Employing the watchman	Security in the plot	No trouble		November 2000		Committee of Muungano Group
1.15 Construction of fence	Trees and flowers planted	Growing of trees and flowers		April 2001		Muungano Group

Plan of Action of Kampi ya Samaki
(Revised on 8th August 2000)

2. Handicrafts are promoted

Activities	Expected results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions Internal	Important Assumptions External
<i>Beet making</i>									
2-1-1 Training handicrafts group	Improve skills	Transfer skills to others	Not yet	First week of May 2000	Not decided yet	Handicraft groups	JICA, Social services officers	Good understanding among members	Rules of good conduct does not
2-1-2 Handicrafts group meeting	Plan Major duties	Skills of work	Good	Second week of May 2000	July 2000	Handicraft groups	Committee, Handicraft group	Cooperation and unity	Good quality of products
2-1-3 Search handicraft facilities	Start making products	Products ready	Not yet	Second week of May 2000	May 2000	Handicraft groups	Committee, Handicraft group	Team work among members	
2-1-4 Removing hair from skin	Lining softening of leather	Making leather products	Not yet	Third week of May 2000	May 2000	Handicraft groups	Committee, Social services officers	Team work among members	
2-1-5 Coloring The leather	Ready to make	Attractive products	Not yet	Third week of May 2000	May 2000	Handicraft groups, Committee	Muangano group, JICA	Good understanding among members	Products of high standard
2-1-6 Preparing belt	Leather garment	Ready for use	Not yet	Fourth week of May 2000	May 2000	Committee, Handicraft group	Committee, Handicraft group	Team work among members	
2-1-7 Search markets	Sell products	Get money	Not yet	First week of June 2000	June 2000	Committee, Handicraft group	Committee	Good understanding among members	
2-1-8 Selling the product	Attract customers	Good price	Not yet	Second week of June 2000	June 2000	Committee, Handicraft group	Committee, Handicraft group	Trust among members	Customers increases
<i>Basket making</i>									
2-2-1 Training of members	Teach others	Transfer of skills to members	(Not reviewed yet)	First week of May 2000	May 2000	Committee, Weavers group, JICA	Committee, Weavers group, JICA	Team work among members	Reiter experts
2-2-2 Group meeting	Elect officials	3 officials	(Not reviewed yet)	Second week of May 2000	May 2000	Committee, Weavers group	Committee, Weavers group	Team work among members	
2-2-3 Search for needs	Get needs	Bring needs near to place of work	(Not reviewed yet)	Second week of May 2000	May 2000	Committee, Weavers group	Committee, Weavers group	Good understanding among members	Rules and regulation followed by
2-2-4 Drying seeds	Cuting needs into pieces	Dry and straight	(Not reviewed yet)	Second week of May 2000	May 2000	Committee, Weavers group	Committee, Weavers group	Good understanding among members	Peace and security
2-2-5 Soaking the seeds	Soft seeds	Colored pieces	(Not reviewed yet)	Third week of May 2000	May 2000	Committee, Weavers group	Committee, Weavers group	Team work among members	
2-2-6 Weaving	Good products	Good quality	(Not reviewed yet)	Third week of May 2000	May 2000	Committee, Weavers group	Muangano group, Committee	Good understanding among members	Peace and security
2-2-7 Selling the product	Good price	Better price	(Not reviewed yet)	Fourth week of May 2000	May 2000	Muangano group, Committee	Muangano group, Committee	Trust among members	
								Team work among members	

3. Honey business promoted

Activities	Expected results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions Internal	Important Assumptions External
3-1 Honey group meeting	Discuss methods of buying honey	Elect officials	Late but good	First week of May 2000	Last week of July 2000	Honey Group members	Committee, Members	Cooperation and team work	Good honey experts
3-2 Training of honey bee-keepers	Learn methods of honey refining	Better honey	Late but good	Second week of May 2000	1st to 3rd August 2000	Members	Committee, Members, JICA, GOK	Members attend meetings	Peace and unity
3-3 Buying of honey materials	Buying of honey	Good quality honey	For Training only	Third week of May 2000	1st August 2000	Mr. Mburu, KARI, Home Economics Officer, SS Officer	Committee, Members	Unity among members	
3-4 Buying of honey	Selling of honey	Get profits	Not yet (building is not ready)	End of may 2000	November 2000	Charitady, Members	Honey Group members	Good understanding	
3-5 Sooping/measuring honey	Honey refining	Good quality honey	Not yet	6th June 2000	November 2000	Committee, Members	Honey Group members	Unity among members	
3-6 Boiling of honey	Correct weighing	Better price	Not yet	10th June 2000	November 2000	Honey Group members	Committee, Members	Cooperation and team work	
3-7 Search of markets	search for better price	Sell honey	Not yet	20th June 2000	December 2000	Charitady	Honey Group members	Unity among members	
3-8 Learn benefits of honey	Use of honey/benefits	Get good profits	Not yet	First week of July 2000	December 2000	Treasurer	Honey Group members	Unity among members	Rules and policies does not change
3-9 Management of honey by products	Good management techniques	Milk hives	Not yet	15th July 2000	December 2000	Charitady	Honey Group members	Unity among members	

Plan of Action of Kampi ya Samaki
(Revised on 8th August 2000)

Activities	Expected results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions Internal	Important Assumptions External
4-1 Fishing group meeting	Discuss methods to get license	Given fishing permit	Not yet	First week of May 2000	Not yet decided	Fish processing group members	Committee fishers group	Hard work and trust	
4-2 Training of fish processing	Understand new methods	Learn techniques	Late but good	First week of May 2000	17th to 20th July 2000	Fish processing members, COK	Fisheries department, JICA	Follow regulation and rules	
4-3 Permission from fisheries department	Pay license fees	Get license	Good	Third week of May 2000		Fish processing group members	Public health officers, JICA	Good understanding among members	There is no doubt
4-4 Buy fishing materials	Get materials for fishing	Build boat	Not yet	First week of June 2000		Fish processing group members	Cooperative society,	Unity among members	
4-5 Search for a worker	Get good worker	Fishing facilities ready	Not yet	Second week of June 2000	December 2000	Committee Members	Committee fishers group	Better management of fish	
4-6 Making nets	Better fishing nets	Get fish	Not yet	Second week of June 2000	December 2000	Muangano group	Committee fishers group	Good understanding among members	
4-7 Fishing in the lake	Get good fish	Ready markets	Not yet	8th June 2000	April 2001	Muangano group	Committee fishers group	Unity among members	
4-8 Removing nets	Count amount of fish catch	Count number of fish	Not yet	Morning 9th June 2000	April 2001	Muangano group	Committee fishers group	Good understanding among members	
4-9 Removing scales	Cleaning fish	Good fish	Not yet	10:30 am 9th June 2000	April 2001	Muangano group	Public health officers, Committee members	Good understanding among members	
4-10 Try fish	Smoking/frying fish	Well smoked fish	Not yet	11:30am 9th June 2000	April 2001	Muangano group	Committee members	Team work and unity	
4-11 Search markets	Get better markets	Get markets	Not yet	10th June 2000	April 2001	Muangano group	Public health officers, Committee members	Unity among members	Markets does not become very bad
4-12 Selling fish	Get good price	Get money	Not yet	10th June 2000	April 2001	Muangano group	Public health officers, Committee members	Cooperation and trust	Markets does not become very bad

Activities	Expected results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions Internal	Important Assumptions External
5-1 Jiko group meeting	Get members problems	List problem of members	Good	24th March 2000		Chief, JICA, Councilor	Muangano group members	Build jiko for each member	Build jiko for each member
5-2 Training on new jiko	Know gains of modern jiko	Report of members attended	Good	24th March 2000		JICA, Social service	Muangano group members	Cooperation and understanding	
5-3 Study tour	Learn skills	Selected members report their findings	Good	8th April 2000		JICA, Charifady, Agriculture Officer	Muangano group members	Unity and team work	Peace and security
5-4 Training on use of the two types of jiko	Understand types of jikos	Report about the two jikos	Good	12th April 2000		Individual jiko users, Members	Individual jiko Users, Muungano group	Build jiko for each member	
5-5 Select expert of making New jiko	Use low firewood	Report from jiko individuals	Good	13th April 2000		Social services department	Muangano group	Cooperation and understanding	
5-6 Training on modern jiko	Gain of modern jiko	Report from the attendants	Good	14th April 2000		JICA, Muungano group	Individual jiko Users, Muungano group	Unity and team work	
5-7 Seminar on making modern jiko among members	Each member modern jiko	Number of jiko users	Good	28th April 2000		Jiko users, Individual members	Muangano group	Cooperation and unity	
5-8 Jiko technician teachings	Get skills to make jiko	Report of jikos	Good	28th April 2000		Individual jiko users, Members	Muangano group members	Cooperation and unity	
5-9 Make modern jiko	Reduce firewood use	Report from jiko users	Good	10th May 2000		Individual jiko users, Members	Muangano group members	Team work and understanding	Follow regulation and rules
5-10 Count number of firewood Traditional jiko use	Know bundles of firewood used	Report from jiko users	Good	10th May 2000		Individual jiko users, Members	Individual jiko Users, Muungano group	Unity among jiko members	Better planning on use of firewood
5-11 Use modern jiko	Reduce cooking time	Report from jiko users	Good	10th May 2000		Individual jiko users, Members	Muangano group	Unity among jiko members	Better planning
5-12 Seminar to use modern jiko	Every member has one	Report from jiko users	Only 14 members have jikos	16th May 2000		Individual jiko users, Members	Individual jiko Users, Muungano group	Unity and team work	
5-13 Continue developing jiko	Make work easier	Number of bundles used in modern jiko	Still continuing	20th May 2000		Charifady, jiko experts	Individual jiko Users, Muungano group	Team work and understanding	

Number of Cattle in Sandai

Village	# Last Year	# Present	Differences	Mortality Rate	
Kamaech	15	10	5	33.3%	
Kamaech	6	3	3	50.0%	
Kamaech	19	1	18	94.7%	
Kamaech	2	0	2	100.0%	
Kamaech	10	4	6	60.0%	
Kamaech	12	3	9	75.0%	
Kamaech	7	3	4	57.1%	
Kamaech	0	0	0	N/A	
Kamaech	6	3	3	50.0%	
Kamaech	15	13	2	13.3%	
Kamaech	0	0	0	N/A	
Kamaech	10	6	4	40.0%	54.9%
Chepkotoiyon	5	1	4	80.0%	
Chepkotoiyon	16	8	8	50.0%	
Chepkotoiyon	20	10	10	50.0%	
Chepkotoiyon	28	10	18	64.3%	
Chepkotoiyon	5	2	3	60.0%	
Chepkotoiyon	0	0	0	N/A	
Chepkotoiyon	8	3	5	62.5%	58.5%
Cheploch	8	5	3	37.5%	
Cheploch	6	2	4	66.7%	
Cheploch	10	4	6	60.0%	
Cheploch	26	12	14	53.8%	
Cheploch	8	4	4	50.0%	
Cheploch	7	4	3	42.9%	
Cheploch	10	4	6	60.0%	53.3%
Mokokwo	32	9	23	71.9%	
Mokokwo	9	5	4	44.4%	
Mokokwo	11	4	7	63.6%	
Mokokwo	12	8	4	33.3%	
Mokokwo	45	15	30	66.7%	
Mokokwo	10	6	4	40.0%	
Mokokwo	12	5	7	58.3%	60.3%
Kapchepkendi	10	6	4	40.0%	
Kapchepkendi	4	1	3	75.0%	
Kapchepkendi	30	15	15	50.0%	
Kapchepkendi	10	3	7	70.0%	
Kapchepkendi	15	8	7	46.7%	52.2%
Sesia	18	14	4	22.2%	
Sesia	23	18	5	21.7%	
Sesia	8	2	6	75.0%	30.6%
Kokchande	15	6	9	60.0%	60.0%
Sokoteiwo	4	4	0	0.0%	0.0%
Total (43)	527	244	283		
Average	12.3	5.7	6.6	53.7%	

Plan of Action at Sandai
(Revised on 25th July 2000)

4.0 Goals become faster

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))	Important Assumptions		Evaluation
							Internal	External	
4-1 Committee established	Proper management	Meeting and election of officials	Good	2nd May 2000	End of May 2000	Chief	Community, Livestock officer	Cooperation	
4-2 Introduction of by laws	Easy management	Members follow rules	Good	5th May 2000	21st April 2000	Chief	Community, Committee Members	Better leadership	
4-3 Introduction of bucks	Improved Breeds large size	Size age	Good	After rains	12th June 2000	Chairman	Community, JICA	Availability of site goats	
4-4 Distribution of bucks to farmers	Improved Breeds large size	Large size	Good	After rains	12th June 2000	Chairman	Community, Chief		
4-5 Mating plan	Match size of female/male	Many live kids	Not yet	After rains	September 2000	Chairman, Livestock officer	Community		
4-6 Mating breeding record	Know date of service and kidding	Low mortality rate	Not yet	After rains	September 2000	Chairman, Livestock officer	Community		
4-7 Fee contribution for the bucks	Enough funds	Healthy bucks	Not yet	After rains	September 2000	Chairman, Livestock officer	Community		
4-8 Treatment of bucks	It ensures it is healthy	Bucks become strong and healthy	Good	After rains	From June 2000	Farmer	Community		

5.0 Animal health is improved (Dip)

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))	Important Assumptions		Evaluation
							Internal	External	
5-1 Bleeding Committee	Office bearers	Proper management	Good	Yearly		Veterinary officer, Chief	Community, members	Community participation	
5-2 Collection of funds	Necessitates other activities	Easy purchasing	Good	Monthly		Dip Committee	Veterinary officer, Dip committee	Community resources	
5-3 Repair of cattle dip	Easy control of other animals	Easy movement control	Good	Weekly		Dip Committee	Community	Lack of materials	
5-4 Purchase of chemicals	Good storage	treatment	Not yet	Weekly	After two weeks	Dip attendant	Community, JICA, GOK	Funds	There is enough accessible
5-5 Announcement of pumping water to the dip	farmers full attendance	Feeding water	Not yet	Weekly	After two weeks	Dip attendant	Community	Community participation	
5-6 Washing	dipping dry	Enough water and dip solution	Good	Weekly		Dip attendant	Community	Availability of water	
5-7 Filling chemical to the dip	Dip ready	Better chemical solution	Good	Weekly		Dip attendant	Committee	Funds	Chemicals and gauges are made accessible
5-8 Dipping animals	Flocks controlled	Absence of ticks	Good	Weekly		Dip attendant	Dip officials	Dip structures	
5-9 Buying of foot-gaugers	Get enough water	Presence of gauges	Not yet	Yearly		Dip Committee	Community, JICA, GOK	Funds for labor	
5-10 Construction of storage tank	Tapping of water	Presence of tank	Not yet	First week of October 2000 and first week of February 2001		Dip Committee	Community, JICA, GOK	Funds, Sand, ballast, water	
5-11 Tidestly traps	Control traps	Health animals	Not yet	June and December		Appointed dip gaugers	Dip committee, Community	Security	
5-12 Vaccination	Before Disease prevented	Health animals	Good	During disease breakout		Veterinary officer, farmers	GOK, JICA, Community	Funds for drugs	
5-13 Castration	Bucks grow fatter	Fat bucks	Good	During rainy season		Farmers, Dip officials	Community, JICA	Bulls	
5-14 Dexaming	worms eliminated	Health worms free mammals	Good	After three months	After six months	Farmers	Dip committee, Community	Animals chemist	

6.0 Sandai villagers learn from verification project

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))	Important Assumptions		Evaluation
							Internal	External	
Trying manual leveling	Practice leveling own farm	Measuring	No (because of drought)	27th April to 15th May 2000	10th August to 15th September 2000	Farmers	Community, JICA, GOK	Cooperation among	
Improve of irrigation canals	water to reach all farms	Upper, Middle, Lower parts get water	Only main canal was improved	1 week upper part, 2 week middle part, 3 week lower part of July 2000	1 week upper part, 2 week middle part, 3 week lower part of August 2000	Committee	Community, JICA, GOK		
Water control and time table	Enough water in all parts	Less complaints from farmers of all parts	No (because of no rain)	1st to 7th May 2000 upper part, 8th to 15th May middle part, 16th to 23rd May lower part	20-27 August upper part, 28-5 September middle part, 6-13 September lower part	Water committee	Community, JICA, GOK		
Land leveling	Water retainability	Farms are wet for a long time		Weekly rotation for each section		Farmers	Committee		
Planting	Good germination	Inspecting germination crops		8th May 2000	5th September 2000	Farmers	Community, JICA, GOK		
Weeding	Healthy crops	Crop inspection		15th May 2000	1st October 2000	Farmers	Community		
Watering	Crop growth	Good tending and health crops		20th July 2000	10th November 2000	Farmers	Community		
Harvesting	Enough grains	Enough food		30th September 2000	20th January 2001	Farmers	Community		

Plan of Action at Sandai
(Revised on 25th July 2000)

1.0 Irrigation facilities are improved

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions	Evaluation
1-1 Survey	Water level is fine	Pigs	Good but late because of drought	March first week 2000	By 27th of July	Responsible person: A. Sidiq, L. Sidiq, A. Sidiq, L. Sidiq, A. Sidiq, L. Sidiq	Community, GOK, JICA	Enough tools	We got enough tools
1-2 Repair of Weir	Good division of water	Farmers get sufficient water	The weir was repaired but not finished	May, June, July 2000		Before: Community, Farmers After: Community	Community, GOK, JICA	Hardcore sand available	We have collected hardcore & sand
1-3 Excavation of main canal	Enough water in all parts	No complain from farmers	We have excavated 300m of the main canal	May, June, July 2000		Community, JICA	Community, GOK, JICA	Cooperation among members	It was well co-operated among
1-4 Lining of canals	Seepage control	Before: No complain from farmers After: No seepage	We have lined 280m	May, June, July 2000		Community, Farmers	Community, GOK		Good co-operation
1-5 Lining gates	Proper distribution of water	Farmers don't complain on water	Not yet	May, June, July 2000	Early August 2000	Water guards, Committee	Community, GOK, JICA	Laborers, Sand available	
1-6 Construction of new division boxes	Enough water in all parts	Farmers do not complain of water in all parts	Not yet	June, July, August 2000	August, September, October 2000	Community, Farmers	Community, GOK, JICA	Cooperation among members	
1-7 Opening of main canal	Brought water in all parts	Farmers don't complain	Wesley	Wesley	1st August 2000	Water guards, Committee	Water guards, Committee	By Laws	There is no severe floods
1-8 By laws	Farmers follow water regulations	When lower part get enough water	May to August 2000	May to August 2000		Committee, Farmers	Community	Enig offenders	
1-9 Planting	Brought harvesting	Poverty eradicated	August to December 2000	August to December 2000		Farmers	Community, Farmers	Land preparation is ready	There is no severe drought

2.0 Rotational Irrigation is realized

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions	Evaluation
2-1 Committee formed	Chairman, Secretary, Treasurer	Good management of farms	Committee was formed but no activities started yet	First week of May 2000	First week of May 2000	Committee, Agriculture Officer	Community	Members follow by laws	
2-2 Middle agreement on water time table	Community and members attend	By laws	Agreement made	First week of May after four days		Water guard, Committee	Community, Agriculture officers	Enough tools to all members	
2-3 Preparation of irrigating time table	Time table made	By laws	Not yet	First week of May after four days	Second week of August 2000	Committee, Chief	Committee, Chief	There is no complain from farmers	
2-4 Distribution of water	Warning	Good health of crops	Not yet	May, July 2000	August, September 2000	Committee	Community	Good understanding among members	
2-5 Farmers visiting farmers	Farmers acquire skills	Use skills acquired in rotational	Not yet	May, July 2000	August, September 2000	Farmers	Community, GOK	Better skills to all members	
2-6 Farm training	Good management	Use skills acquired in rotational	Not yet	May, June 2000	August, September 2000	Chairman	Community, Agriculture officer	Timing season of planting does not change	
2-7 Farmer tours	Farmers acquire skills	Farmers train other farmers	Not yet	May, June 2000	August, September 2000	Chairman	Community, GOK, JICA		There is enough rain

3.0 On-farm irrigation water is saved

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions	Evaluation
3-1 Clearing farm	Clear farm	Ready for ploughing	Good	1st April 2000		Farmers, Members	Community	Tools	
3-2 Digging	Good soils	Fine leveled soil	Good	4th April 2000		Farmers, JICA	Farmers, JICA	Tractor	
3-3 Levelling	Good farm for irrigation	Flat leveled farm	Good	6st - 10th April 2000		Farmers, JICA	JICA, Farmers	Leveler	
3-4 Ridging	Water accessibility easy during watering	Fine lines	Ridging not done	20th April 2000	1st week of August 2000	Farm owners	JICA, KARI	Tractor band	Financial problems
3-5 Fencing	Protection of crops	Fence	Good	4th to 30th April 2000		Farm owners	Farmers	Trees	Boundary disputes
3-7 Buying of seeds	Right seeds available	Right amount of seeds	Good	25th to 30th April 2000		Farmers, JICA	Committee, JICA, GOK	Transport money available	Seeds are available
3-8 Planting	Complete and planting	Germination	Planting not done	From 1st May 2000	2nd week of August 2000	Farmers	Committee, JICA, GOK	Seeds planters available	
3-9 Pest control	Healthy crops	Crop vigor	Protection of crops (pest) not done	7th June 2000	3rd week of August 2000	Farmers and family members	Committee, JICA, GOK	commitment to by laws	There is no severe drought
3-10 Crop management, sharing water, grafting canals, watering farms	Equal water distribution health crops	Fine canal, Less disputes	Crop management (i.e. sharing water, 2 watering canals, watering not done)	1st May to 10th September 2000	3rd week of August to October 2000	Farm owners, family members	Family members, water committee	Better management	Finance, drought
3-11 Weeding	Healthy crops	Crop inspection	Weeding not done	August to September 2000	After one month (September 2000)	Farm owner, Community	Family members, water committee	Tools	There is enough rain
3-12 Harvesting Beans, Millet, Sorghum, Maize	When grains are dry	Enough food	Harvesting not done	15th to 20th October 2000	Beans & millet: October 2000, maize & sorghum: November 2000	Farmers	Farmers, Community, GOK, JICA	Family cooperation	
3-13 Threshing of maize	Good prices	Good weight of crops	Threshing of maize not done	30th September to 10th October 2000	December 2000	Farmers	Farmers, Community, GOK, JICA	Threshing machine	
3-14 Marketing	Good for sale	Crop production quality improved	Marketing not done	30 to 20th October 2000	December 2000 to January 2001	Farmers, GOK	Community	Better roads for transport	

Number of Cattle in Arabal

Village	# Last Year	# Present	Differences	Mortality Rate	
Karama	18	4	14	77.8%	
Karama	27	9	18	66.7%	
Karama	13	9	4	30.8%	
Karama	175	30	145	82.9%	
Karama	15	3	12	80.0%	
Karama	31	10	21	67.7%	
Karama	13	6	7	53.8%	
Karama	175	20	155	88.6%	
Karama	8	2	6	75.0%	
Karama	28	12	16	57.1%	
Karama	7	4	3	42.9%	
Karama	200	100	100	50.0%	
Karama	30	20	10	33.3%	
Karama	8	3	5	62.5%	69.0%
Kabirokwa	22	8	14	63.6%	
Kabirokwa	10	5	5	50.0%	
Kabirokwa	8	6	2	25.0%	
Kabirokwa	9	7	2	22.2%	
Kabirokwa	80	24	56	70.0%	
Kabirokwa	32	21	11	34.4%	
Kabirokwa	17	5	12	70.6%	
Kabirokwa	40	11	29	72.5%	
Kabirokwa	52	13	39	75.0%	
Kabirokwa	43	27	16	37.2%	
Kabirokwa	12	7	5	41.7%	
Kabirokwa	20	10	10	50.0%	58.3%
Chemerongion	66	25	41	62.1%	
Chemerongion	7	2	5	71.4%	
Chemerongion	10	4	6	60.0%	
Chemerongion	5	5	0	0.0%	
Chemerongion	54	21	33	61.1%	
Chemerongion	3	2	1	33.3%	
Chemerongion	8	5	3	37.5%	
Chemerongion	20	8	12	60.0%	58.4%
Katilomwo	15	8	7	46.7%	
Katilomwo	5	3	2	40.0%	
Katilomwo	10	4	6	60.0%	
Katilomwo	36	15	21	58.3%	54.5%
Embosos	8	6	2	25.0%	
Embosos	10	6	4	40.0%	
Embosos	20	13	7	35.0%	34.2%
Partalo	9	3	6	66.7%	66.7%
Ramacha	52	28	24	46.2%	46.2%
Tandar	13	4	9	69.2%	69.2%
Total (44)	1444	538	906		
Average	32.8	12.2	20.6	62.7%	

Chemerongion
(Total) 665 346 319 48.0% (383 people)

**Action plan of Arabal
(Revised on 21 July 2000)**

1. Improved rain-fed agriculture is introduced (Perale)

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) - Responsible Person(s)	Actors	Important Assumptions (Internal / External)
1-1 Mowing	Land is selected	Map of site made	Good	18th March 2000	22nd April 2000	Village elders	Farmers, Elders	Agreed final land to be selected and surveyed under village elder
1-2 Land surveyed	Before: 9 acres land After: 5.8 acres land	Map of site given peg positions complete	Good	23th March 2000	22nd April 2000	Asst. Chief, Agr. Dept. Officers division + Chief + JICA team	34 villagers Before: 34 villagers After: 58 villagers	A nearby surveyor Enough tools, agreed to
1-3 Clearing land	Running pigs	Mowing 2B	Not yet	23th March 2000	October - November 2000	Surveyor, Asst. Chief, village elder, JICA team	Before: 34 villagers After: 58 villagers	Enough tools, agreed to work together
1-4 Digging	One line of canal complete. 11st down	Messuring 2B	Good / measuring 3B	23th March 2000 to 25th April 2000	October - November 2000	Farmers themselves	Asst. Chief, Village elders + JICA team	Before: Each individual farmer is given 4 meter long to dig After: 5B
1-5 Erecting Committee	Erection of 4 committee members	List of committee (5) formed	Good	25th April 2000	October - November 2000	Farmers themselves	Agriculture officers	Before: Each individual farmer is given 4 meter long to dig After: 5B
1-6 Land preparation	Plows ready for ploughing	After ploughing	2 farmers were late	30th May 2000	Next (January - February 2001)	Farm owners	Villagers, Agriculture officers, JICA Team	Enough tools, agreed to work together
1-7 Planting crops	Cultivating crops in the farms	Seed germination	Half planted late	30th May 2000	Next (March - April 2001)	Farm owners	Villagers, Agriculture officers, JICA Team	Enough tools, agreed to work together
1-8 Farm security	Stop wild animals not to destroy crops	Good fencing	Not good enough	30th May 2000	Next (March - April 2001)	Farm owners	Villagers, Agriculture officers, JICA Team	Enough tools, agreed to work together
1-9 Weeding	Crop germination	Weeds cleared	Good	14th to 20th June 2000	Next (March - April 2001)	Farm owners	Villagers, Agriculture officers, JICA Team	Enough tools, agreed to work together
1-10 Reconstructing french 'Panya Jura'	Long reliability of water in ditches	Good ditcher and 'Panya Jura'	Going on regularly / less rain	14th to 20th June 2000	Next (March - April 2001)	Farm owners	Villagers, Agriculture officers, JICA Team	Enough tools, agreed to work together
1-11 Harvesting	Good harvest	Harvesting enough in fields	Not yet	14th to 20th June 2000	Next (March - April 2001)	Farm owners	Villagers, Agriculture officers, JICA Team	Enough tools, agreed to work together

2.1 Animal feeding is improved

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) - Responsible Person(s)	Actors	Important Assumptions (Internal / External)
2-1-1 Fencing pasture, feed	Livestock pasture grows	Height pasture	Not yet because of no food	1 week of June 2000	August 2000	Group chairman	Committee, Villagers	Good understanding among livestock farmers
2-1-2 Plant enough pasture	Livestock get enough pasture	Enough pasture for livestock	Not yet because of no seed	1 week of July 2000	When seed available	Forester group secretary	Committee, Villagers	Enough pasture and regulation rules
2-1-3 Plant 'Ngave' (evergreen local tree)	Availability of 'Ngave'	Mountain available 'Ngave'	Not yet because of no rain	1 week of May 2000	When rainy season starts	Forester group secretary	Committee, Villagers	Enough pasture and regulation rules
2-1-4 Reserve pasture	Get enough pasture during drought	Biggest storage of pasture	Not yet because of no pasture	1 week of August 2000	1 week of August 2000	Livestock officer, Group chairman	Committee, Villagers	Enough storage places for pasture
2-1-5 Begin dipping livestock	Stop tickborne diseases	Reduced tickborne diseases	Good / dipped once	After Dip repeated	September 2000	Dip committee	Livestock farmers	Enough dip solution
2-1-6 Downwash livestock	Get rid of worms	Downwashing (Dinge) available	Not yet because of no fund	1 week of May 2000	September 2000	Livestock farmers	Livestock farmers	Policy given rules of downwashing
2-1-7 Buy 2 Frings	Livestock feeds on salt	Livestock farmers use salt lick	Not yet because of no fund	1 week of May 2000	September 2000	Livestock farmers	Livestock farmers	Enough feeding trough

2.2 New breeding system is introduced

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) - Responsible Person(s)	Actors	Important Assumptions (Internal / External)
2-2-1 Make groups for breeding (Gats)	Cooperation among livestock farmers	Have election to monitor groups	Good	2nd May 2000	13th June 2000	Groups, Committee	Members, Villagers	Cooperation among livestock farmers
2-2-2 Breeding system	High grade goats with milk	Show grade goats	Good	2nd May 2000	14th June 2000	Committee, Livestock officers	Members, Villagers	Records be recorded
2-2-3 Stop local breedings of goats	Good strong goats	Change of local breeds	Not yet	6th June 2000	December 2000	Committee, Livestock officers	Members, Villagers	Motivation of livestock farmers (Burdico use) 100% cash sharing will be completed by installation
2-2-4 Calling imprimitive goats	High grade goats	Reducing reproductive goats	Sold for food	13th June 2000	December 2000	Committee, Livestock officers	Members, Villagers	Awareness in using Bucks
2-2-5 Cauterizing the goats	Good productive goats	High income of goats	Not yet	Next year	December 2000	Committee, Livestock officers	Members, Villagers	Awareness and use of Burdico (Few can use Burdico)

2.3 Animal health is improved

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) - Responsible Person(s)	Actors	Important Assumptions (Internal / External)
2-3-1 Election of dip committee	Election 31 committee members	Registration of the members	Good	18th April 2000	22nd April 2000	Veterinary officers, Social services	Dip committee, Villagers	Advertising meeting date
2-3-2 Injecting the dip	Dirty water	Write a report	Good	18th April 2000	13th May 2000	Veterinary officers, Dip committee, JICA team	Dip committee, Villagers	Completed dip ceremony
2-3-3 Removal of dirty water	Clean mud free dip	Pumping clean water	Good	23th April 2000	14th May 2000	Veterinary officers, Dip committee, JICA team	Dip committee, Villagers	Enough tool to remove dirt and mud
2-3-4 Recupering of Dip	Have clean good dip	Dip ready for use	Good	23th April 2000	13th June 2000	Dip committee, Veterinary officer	Dip committee, Villagers	Enough tools
2-3-5 Buy acaricides	Availability of acaricides	Enough acaricides	Good	26th April 2000	13th July 2000	Dip committee, Veterinary officer	Livestock farmers, Villagers	Enough money to buy drugs
2-3-6 Livestock dipping	Correct dip solution	List of number of livestock treated	Good (Cattle: 57% Goats: 90%, Sheep: 12%)	29th April 2000	13th July 2000	Dip chairman, Treasurer, Secretary	Livestock farmers, Villagers	Enough livestock farmers
2-3-7 Meeting all dip committees	Achievement of the meeting	Dip committee explain results	Good	6th May 2000	15th July 2000	Dip chairman, Treasurer, Secretary	Livestock farmers, Villagers	Record of activities available

3. People of Arabal learn from selected farmers

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actor(s) - Responsible Person(s)	Actors	Important Assumptions (Internal / External)
3-1 Unity among farmers	Unity among all villagers	Villagers working together	Not yet (They have not visited the verification site)	11th April 2000	28th September 2000	Group leaders, Village elders, Mobilizers	Villagers	Good understanding
3-2 Make tools circulate among villagers	Villagers work hard	Good work	Not yet (Fertile people are still using the tools)	14th April 2000	1st August 2000	Village committees	Villagers	Fertile tools already put in place
3-3 Go to monitoring as much as possible	Villagers learn more about each other	See the success of the farmers	Not yet	15th August 2000	Villagers	Villagers	Established farms	Enough tools, agreed to work together
3-4 Soil conservation	Villagers organize soil conservation days	Soil erosion reduced	Not yet	16th December 2000	Villagers	Villagers	Crop germination in the farm	Enough tools, agreed to work together
3-5 Have custom learning center for farmers	Good building	Learning resources for farmers	Not yet	1 week of September 2000	Villagers	Villagers	Reserve local available material	Enough tools, agreed to work together
3-6 Learn to use natural resources	Use available local materials	No mis use of locally available resources	Not yet because of drought	Year 2000	Chief, Villagers	All Arabal Villagers	Follow / list down regulations	Enough tools, agreed to work together
3-7 Women groups	United women groups	Have a women washing committee	Not yet	1 week of May 2000	Active women group	Villagers	Awareness of conserving grazing field	Enough tools, agreed to work together
3-8 Conserve grazing fields	Have enough pasture	Making grazing fields	Not yet because of no rain	20th June 2000	Villagers	Villagers	Awareness of conserving grazing field	Enough tools, agreed to work together

Number of Cattle around Rugus

Village	# Last Year	# Present	Differences	Mortality Rate	
Lekiricha	80	3	77	96.3%	
Lekiricha	20	2	18	90.0%	
Lekiricha	26	3	23	88.5%	
Lekiricha	36	13	23	63.9%	
Lekiricha	3	0	3	100.0%	
Lekiricha	10	3	7	70.0%	
Lekiricha	5	1	4	80.0%	
Lekiricha	10	3	7	70.0%	
Lekiricha	20	3	17	85.0%	
Lekiricha	20	12	8	40.0%	
Lekiricha	28	5	23	82.1%	
Lekiricha	6	4	2	33.3%	
Lekiricha	30	15	15	50.0%	
Lekiricha	47	23	24	51.1%	73.6%
Itepes	5	3	2	40.0%	
Itepes	28	15	13	46.4%	
Itepes	20	5	15	75.0%	
Itepes	10	3	7	70.0%	
Itepes	15	2	13	86.7%	
Itepes	10	6	4	40.0%	
Itepes	37	12	25	67.6%	
Itepes	20	5	15	75.0%	
Itepes	20	1	19	95.0%	
Itepes	10	2	8	80.0%	
Itepes	6	2	4	66.7%	
Itepes	35	4	31	88.6%	
Itepes	10	2	8	80.0%	72.6%
Rugus	15	3	12	80.0%	
Rugus	30	20	10	33.3%	
Rugus	10	1	9	90.0%	
Rugus	17	5	12	70.6%	
Rugus	10	2	8	80.0%	
Rugus	73	10	63	86.3%	73.5%
Lowgicharo	46	16	30	65.2%	
Lowgicharo	14	3	11	78.6%	
Lowgicharo	20	1	19	95.0%	
Ngasotok	24	5	19	79.2%	
Ngasotok	25	2	23	92.0%	
Torokole	10	3	7	70.0%	78.4%
Total (39)	861	223	638		
Average	22.1	5.7	16.4	74.1%	

Plan of Action at Rugus Workshop
(Revised on 15th July 2000)

Activities	Expected Results	Indicators	Evaluation	Schedule	New Schedule	Main Actors (Responsible Person(s))	Actors	Important Assumptions
1. Pan rehabilitation of Lekiricha								
1-1 Meeting of all community	Election of officials	15 officials	Good	5th April 2000		Community, Pan Chairman	JICA, Chief, GOK	Cooperation and unity
1-2 Excavation of Pan	Use hands to dig	Dig small part	Bulldozer was used for 4 days as the result of 4-day trial / hard experience	1th April 2000		Elders, Youth, Women, Chairman	Chief, JICA	Keep time
1-3 Meeting with Pan committee	Other method of excavation	Field meeting with JICA	Good	2nd May 2000		Rugus community, JICA	Elders, JICA, GOK	Cooperation with GOK, JICA
1-4 Digging pan with bulldozer	Work completed in short time	Pan collect enough water	Fair / still little water	Second week of May	October 2000	Rugus community, Pan committee	JICA, Community, Water engineer,	Unity among all parties
1-5 Leveling around the Pan	Makes site level	2nd May 2000	Not yet	2nd May 2000		Rugus community, Pan committee	JICA, Community, Water engineer,	Cooperation with water engineers
1-6 Fencing the Pan	Protecting pan from people and animals	Four weeks	Good	2nd May to 2nd June 2000	Going on	Rugus community, Pan committee	Chief, Community,	Community cooperate
1-7 Planting grass and trees around the Pan	Erosion of soil stopped	First week of June	Not yet	First week of June	When grass seed available	Pan committee	Foraster, Community	Cooperation with water engineers
1-8 Collecting stones	Erosion animal trough	Third week of May	Not yet	Third week of May	After finishing gully work	Pan committee	Community, GOK, JICA	Cooperation with GOK, JICA
1-9 Buy laws (fence)	Rules followed / Protect water	Third week of May	Not yet	Third week of May	5th July 2000	Village elders, Pan committee	Rugus community, Neighbouring villagers	Villagers work together
2. Maintenance of Lekiricha Pan								
2-1 Leveling around the pan	Good Pan	Better pan surrounding	Not yet	Second week of June	2nd week of September 2000	Elders, Youth, Pan committee	Pan committee, JICA	All the four villagers cooperate
2-2 Fencing round the Pan	Protect Pan from animals	No animals entering pan	Going on	Second week of June	3rd week of July 2000	Elders, Youth, Pan committee	Pan committee, JICA, GOK	Unity among the villagers
2-3 Planting grass and trees round the Pan	Create better surrounding	Good shade	Not yet because of no rain	First week of July	3rd week of August 2000	Women, Foraster, Pan chairman	GOK, Chief	Good understanding among the villagers
2-4 Control soil erosion	Control excess silt	Clean mud free water	Not yet	First week of August		Pan chairman, Villagers, GOK	Chief, Pan committee	All the four villagers cooperate
2-5 Buy laws to protect Pan	Protect Pan from misuse by animals	Pan rules followed	Not yet	First week of July	1st week of October 2000	Pan chairman, Villagers, GOK	Village elder, Pan committee	Follow laid down rules in pan maintenance
3. Water tank for Rugus Primary School								
3-1 Committee formation	Planting good site	15 school officials exist	Good	Elected last year		School committee	Parents, Min. of education	School rules and regulations
3-2 Site clearing -excavation	Site cleared and excavated	Excavation work completed	Not yet / after pan work completed	Elected last year	1st week of August 2000	School committee, Mason Pupil	Water development, JICA	Cooperation among school community
3-3 Sand collection	Enough sand and gravel	Sand gravel collected in site	Not yet because of transportation and distance	2nd to 3rd May 2000	3rd week of August 2000	JICA, School committee,	Chief, School committee	Understanding among parents and teachers
3-4 Stone collection	Enough stones collected in time	Community and pupils collect stones	Good / one ton collected	2nd to 3rd May 2000	3rd week of July 2000	School committee	Chief, School committee, GOK	Cooperation and understanding between teachers and parents and teachers
3-5 Buying inputs - Cement, Wires, Timber, Nails, Pipes	Materials purchased	Materials collected in time	Not yet	21st June 2000 onwards	1st week of August 2000	School committee	Chief, School committee, GOK	Cooperation and understanding between teachers and parents and teachers
3-6 Fetching water	Community fetch water	Enough water collected for construction	Not yet	21st June 2000 onwards	1st week of August 2000	Community	Water development, JICA	Cooperation and understanding between teachers and parents and teachers
3-7 Construction -Roof drainage	Mason ready	Task completed	Not yet	Fourth week of June	2nd week of August 2000	Mason, Carpenter, Community	Chief, School committee,	Cooperation and understanding between teachers and parents and teachers
3-8 Curing	Curing done by community	Curing in time	Not yet	Fourth week of June		Community, Teachers, Pupils	Chief, School committee, GOK	Cooperation and understanding between teachers and parents and teachers
3-9 Maintenance	School community maintain Water Tank	Maintained properly	Not yet	Fourth week of June	2nd week of August 2000	Community, Teachers, Pupils	Chief, School committee, GOK	Cooperation and understanding between teachers and parents
4. Transfer of information from pupils to parents								
4-1 Teach pupils about good environment	Expected Results	Indicators	Evaluation	Schedule	New Schedules	Main Actors (Responsible Person(s))	Actors	Important Assumptions
4-2 Teach pupils about pit latrines	Pupils and parents learn about environment	Pupils explain more about good environment	Not yet	Two lessons per week		Teachers and pupils	Parents, Chief, Teacher, School	Pupils and teachers cooperate
4-3 Teach pupils methods of maintenance of Pan	Pupils and parents understand use of latrines	Parents construct Toilets	Lect experts / to use teachers	One lesson per week		Teachers and pupils	Parents, Chief, Teacher, School	Pupils and teachers cooperate
4-4 Teach pupils on waterborne diseases	Pupils and parents comprehend the use of Pan	Community follow maintenance rules of Pan	Not yet / after completion of pan	One lesson per week	3rd week of July 2000	Teachers and pupils	Parents, Chief, Teacher, School	Pupils and teachers cooperate
4-5 Teach pupils on waterborne diseases	Pupils and parents know about waterborne diseases	Community identify waterborne diseases	Not yet	One lesson per week		Teachers and pupils	Parents, Chief, Teacher, School	Pupils and teachers cooperate
4-6 Teach pupils how to boil water	Pupils and parents boil water before drinking	Community start boiling water	Not yet	One lesson per week		Teachers and pupils	Parents, Chief, Teacher, School	Pupils and teachers cooperate
4-7 Stress Home science methods of cooking	Parents use good cooking methods	Better cooking methods	Not yet	Two lesson per week		Teachers and pupils	Parents, Chief, Teacher, School	Pupils and teachers cooperate
4-8 Teach various methods of cooking	Pupils learn about family health	Cleanliness among the community	Not yet	Two lesson per week		Teachers and pupils	Parents, Chief, Teacher, School	Pupils and teachers cooperate
4-9 Stress Home science lesson in school	Parents learn about family health	Cleanliness among the community	Not yet	Two lesson per week		Teachers and pupils	Parents, Chief, Teacher, School	Pupils and teachers cooperate

Plan of Action of Marigat Youth Polytechnic
(Reviewed on 28 July 2000)

Activity	Expected results	Indicators	Evaluation	Schedule (by month)												Main Actor(s) (Responsible Person(s))
				4	6	8	10	12	2	4	6	8				
1.0 Introduce short courses	training plans for short courses	documentation of plans	Good												Instructors	
1.1 Develop Training Plans	well equipped courses	no. of tools and equipment	Good												HRD S/P	
1.2 Acquire Training Tools and Equipment	increased awareness	no. of trainees	Not yet	X											chairman of MB	
1.3 Advise courses through "barazas"	increased awareness	no. of announcements	The figures will be prepared by the Project Manager												chairman of MB	
1.3.1 Advise short courses through Churches	increased awareness	no. of posters	The figures will be prepared by the Project Manager												chairman of MB	
1.3.2 Advise short courses through schools	admission to short courses	no. of instructors held	Good, 10 (1 main + 9 small)												chairman of MB	
1.3.3 Conduct interviews for short courses	enrollment to short courses	no. of business enrolled	Good, 38 (carpentry 23, mechanics 3 and tailoring 2)												PM	
1.4 Enroll trainees for short course	completed lesson plans	lesson plans	A copy will be prepared by the Project Manager												PM	
1.5 Develop lesson plans for carpentry short course	completed lesson plans	lesson plans	A copy will be prepared by the Project Manager												cap. instructor	
1.5.1 Develop lesson plans for tailoring short course	completed lesson plans	lesson plans	A copy will be prepared by the Project Manager												hdr. instructor	
1.5.2 Develop lesson plans for mechanics/metalwork short course &	completed lesson plans	lesson plans	A copy will be prepared by the Project Manager												mech. instructor	
1.6 Develop timetables for carpentry short course	completed timetable	presence of weekly timetable	A copy will be prepared by the Project Manager												cap. instructor	
1.6.1 Develop timetables for tailoring short course	completed timetable	presence of weekly timetable	A copy will be prepared by the Project Manager												hdr. instructor	
1.6.2 Develop timetable for mechanics/metalwork short course	completed timetable	presence of weekly timetable	A copy will be prepared by the Project Manager												mech. instructor	
1.6.3 Edit of Phase tests	evaluation of learning	no. of tests administered	A copy will be prepared by the Project Manager												instructors	
1.6.4 Produce short course certificates	short course certificates	no. of certificates produced	Not yet												PM	
1.7 Present short course certificates	certified graduates	no. of certificates issued	Not yet	X											PM	
1.7.1 Evaluate training of short courses	evaluation data	completed evaluation report	Not yet												chairman, MB	
2.0 Promote linkages with "Jua Kali" artisans																
2.1 Re-organise die capacity workshop	better organised workshop	change in organisation	New committee was formed in June 2000												cap. instructor	
2.2 Avail information about services on offer	awareness about the services	no. of posters	2000												cap. instructor	
2.3 Organise records	structures about safety	no. of posters	Not yet												cap. instructor	
2.4 Hire machine operator	proper recording system	employment of operator	Done in July 2000												cap. instructor	
2.5 Produce ready made woodwork products	efficient service provision	no. of woodwork products	Not yet												chairman of MB	
2.6 Provide services to "Jua Kali" artisans	stock of ready made products	quality of products	KSh247,00 for 23 boards, KSh9,000 for 3 tables and 4m benches and KSh650 for a door												machine operator	
2.6.1 Provide tools to the ballast group	improved "jua kali" products	quality of ballast	Not yet (2 wheelbarrows, 5 buckets and 2 hummers)	X	X										machine operator	
3.0 Support grade test trainees to practice production of high quality products																
3.1 Acquire materials for carpentry	access to production materials	no. of materials acquired	All materials for six months were acquired												HRD S/P	
3.1.2 Acquire materials for tailoring	access to production materials	no. of materials acquired	Not yet	X											PM	
3.2 Support trainees design of woodwork products	design of high quality products	quality of designs	Good												cap. instructor	
3.2.1 Support trainees design of tailoring products	design of high quality products	quality of designs	Good												hdr. instructor	
3.3 Supervise practical production sessions	high quality production	quality of products	Good												instructors	
3.3.1 Survey for a better showroom in Mtigai	identified showroom	proposal of possible premises	Good												PM	
3.3.2 Discuss rental terms of showroom	rent a showroom	meeting	Under negotiation	X											PM	
3.3.3 Identify a subsperson	shortlisted candidates	no. of applications	Not yet	X											PM	
3.4 Hire the subsperson	take of products	employee subsperson	Not yet												chairman of MB	
3.5 Stock the showroom	stocked showroom	no. of products stocked	Not yet												subsperson	
3.6 Open showroom	display of products	no. of products on display	Not yet												subsperson	
3.7 Sell of "Trainers products"	income	amount of sales	1 stool @ 150, 9 stools and 1 coffee table in stock												salesperson	
3.8 Provide 50% of labour charge to grade test trainees accounts	income for trainees	amount in trainees accounts	Not yet												salesperson	
3.9 Provide grade test graduates with essential tools	equipped graduates	no. of tools provided	Not yet												PM	
4.0 Increase awareness of MYP																
4.1 Advise MYP courses and services through "barazas"	increased awareness	no. of meetings	The figures will be prepared by the Project Manager												chairman of MB	
4.2 Advise MYP courses and services at church services	increased awareness	no. of announcements	The figures will be prepared by the Project Manager												chairman of MB	
4.3 Advise MYP courses and services through posters	increased awareness	no. of posters	The figures will be prepared by the Project Manager												chairman of MB	

Forecast Budget for Marigat Youth Polytechnic, Year 2000
(Revised on 28 July 2000)

Forecast of Income and Income Sources		Forecast of Expenditure	
Item	Amount (Kshs)	Item	Amount(Kshs)
School fees, 25 students @ 5,600 per course	140,000	Staff salaries	124,440
<u>Short courses, 33 students @300, 5 courses, 50%</u>	<u>24,750</u>	Training materials	30,000
Income from sales of farming	<u>45,000</u>	<u>Cost for farming</u>	<u>15,000</u>
Income from furniture sales <u>from training, 100 stools @150</u>	<u>15,000</u>	Stationers	8,000
Income from garment sales <u>from training, 3 suites @2,000, 2 dresses @500, 10 baby dresses @100</u>	<u>8,000</u>	Transport	15,000
Fund raising from the community ("harambees")	72,980	Entertainment (<u>Management board meetings and study tours (breakdown will be made by the project manager)</u>)	24,000
Sponsorship from friends (skopring community)	41,580	Development / maintenance	48,000
		Bills (water, electricity, telephone & postal)	29,120
<u>Income from Carpentry Production Unit, 50 desks @1,000, 150 stools @150, 60 beds @1,400, 50 small chairs @ 250</u>	<u>169,000</u>	<u>Material for production</u>	<u>119,000</u>
		<u>Labor for production</u>	<u>34,000</u>
		<u>Others</u>	<u>69,750</u>
Total	<u>516,310</u>	Total	<u>516,310</u>

Self-introduction of the Participants at MHC Workshop
(26 July 2000)

Name	Occupation	# of Children	Hobbies	Staple Food	Religion	Working Place	Home District
Samuel Rutto	Public Health Officer	3 children	Valley ball, Adventures	Ugali + Mboga	Christian	Marigat Division	Kabartonjyo Division
Wilfred Ongonga	Nurse	4 girls	Reading	Ugali	Catholic	Marigat Mobile Clinic	Siaya District
Mark K. Rotich	Medical Lab Technician / Parasitology	3 boys, 3 girls	Reading news papers	Ugali + Green	Catholic	DVBD – Marigat Lab	Bonaet District
Tomno Chebouet	R. Clinical Officer	Single	Watching foot ball + Reading	Ugali, Nyama	Christian	MHC	Kabarnet Division
Samuel Ruto	Laboratory Technician	2 children	Reading Christian	Ugali	Protestant	DVBD – Marigat Lab	Nakuru District
Nancy W, Yegon	R. Nurse	2 boys, 3 girls	Reading Christian magazines	Ugali with vegetables and meat	Full Gospel	MHC	Marigat Division
Yunus Hassan Ramachher	Snr. Ent. Labo Technician	5 boys, 4 girls	Watching foot ball + Cricket	Ugali + Meat, Rice	Muslim	DVBD – Marigat Lab	Koibatek District
Wilson Ngenga	Snr. Labo Technician	2 boys, 1 girl	Reading news, football	Ugali + Githeri	Jehovah Witness	DVBD – Marigat Lab	Nakuru District
Robert K. Koeeh	Clinical Officer	Single	Badminton	Githeri	Christian	MHC	Baringo District
Thomas Muteri	E. Nurse	1 boy	Bird watching, Football	Honey + Ugali	Christian	Loboi Dispensary	Nakuru District
Hideyo Shimazu	Environment & Development Consultant	2 girls	Music, Movies, Cross Country Vehicles	Rice & Everything except goats	Catholic??	JICA Study Team (Kabarnet)	Tokyo, Japan
Josphet K. Maina	Livestock Production Officer	2 girls, 2 boys	Reading, Scramble	Ugali + Milk	Catholic	MOARD, Marigat	Kericho District
Hason Kinuwa	Public Health Technician	2 children	Watching sports, Music	Kienyi + Ugali	Christian, AIC	Loboi Dispensary	Koibatek District
Erick Limo	Public Health Technician	1 child	Handball	Githeri	Christian	MHC	Nakuru District
Samson Moek	Public Health Technician	4 boys	Darts, Pool snookes	Ugali + Mboga	Christian	MHC	Baringo District
Samson Koech	Public Health Technician	Single	Indoor games	Rice	Christian	MHC	Koibatek District
Phillip Towet	Public Health Technician	3 girls	Darts + Pool	Ugali + Mboga	Christian, AIC	MHC	Kabarnet Division
Richard Bor	Laboratory Technician	1 boy, 4 girls	Watching movies	Ugali	Christian	DVBD – Marigat Lab	Nakuru District
Richard Rono	Laboratory Technician	5 children	Darts	Ugali	Christian	DVBD – Marigat Lab	Nakuru District
Patrick Kipkapt	Public Health Technician	2 boys, 3 girls	Running, Football	Ugali + Meat, Vegetables	Christian	MHC / Ngambo	Koibatek District
Jacksott Molok	Public Health Technician	1 girl	Darts	Nyama Joma	Christian	Kimarel Head Office	Koibatek District

Stakeholder Analysis of MHC
(26 July 2000)

Funding Agencies for MHC	
UNICEF	WHO
C.C.F.	AMREF
World Vision	JICA
Catholic Mission	NIB
SIDA	KEMRI

Technical Assistance to MHC	
JICA	
SIDA	
KEMRI	

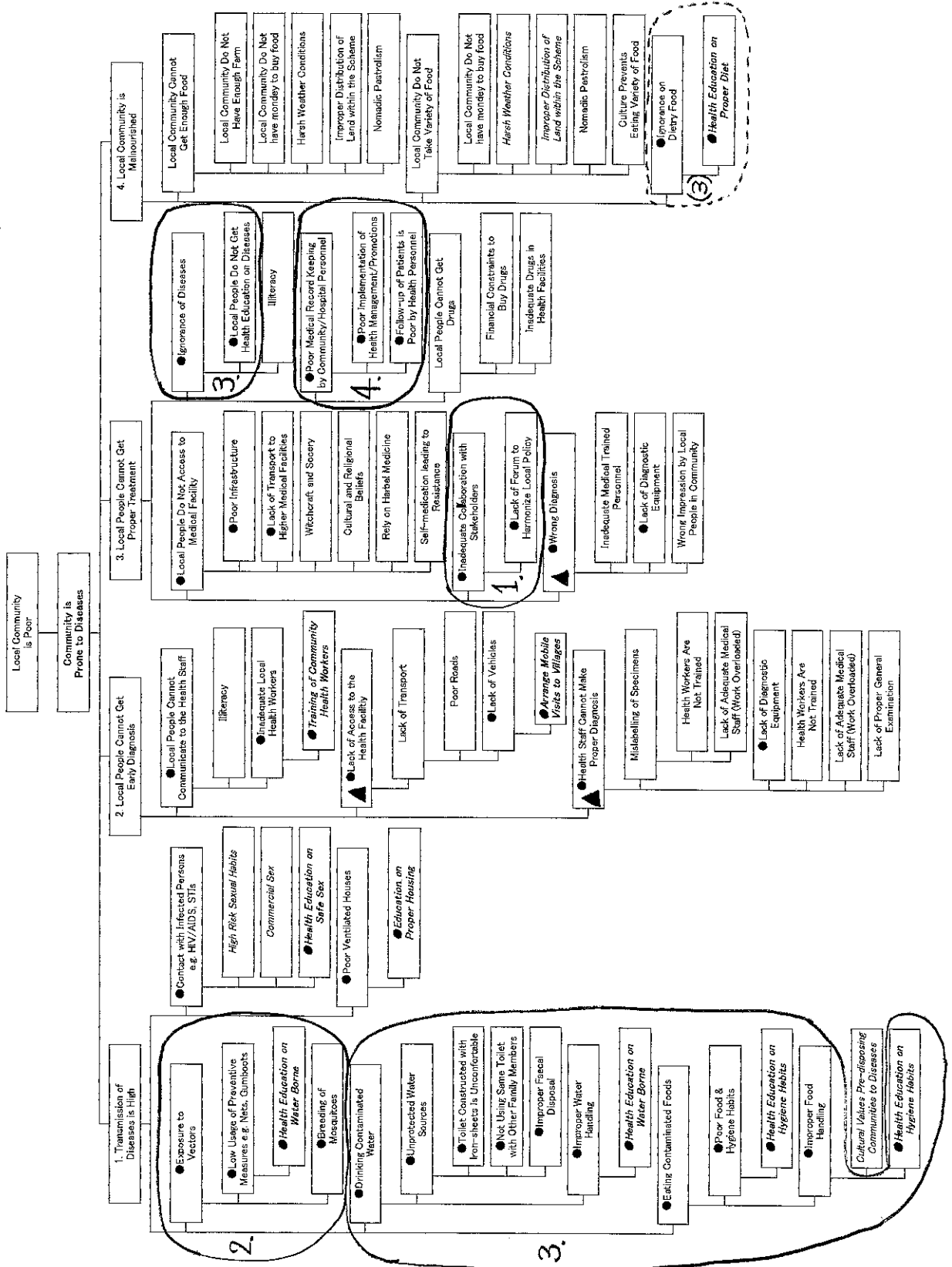
Facilitators	
Health Staff	
Community Health Worker	
Community Volunteer	
Social Services STA	
Family Life Centre	

Management	
DHMB (District Health Management Board)	
DHMT (District Health Management Team)	
Health Centre Committee	

Beneficiaries	
Community	Marigat Health Centre
Community People	Community Admired Persons
Patients	

Policy Makers	
Ministry of Health Headquarters	
Baringo District Hospital	
KEMRI	
KEPI	

Tree of Marigat Health Center (26 July 2000)



PDM of Marigat Health Center
(3 August 2000)

Narrative Summary	OVI	MOV	Important Assumptions
<p>Overall Goal: Health Status of Community in Marigat and Mukutani Divisions Improved</p>	<p>Mortalities in the community reduced ("How much" and "when" will be discussed later)</p>	<p>Vital Health Statistics (Health Records & Information)</p>	
<p>Project Purpose: Diseases of Community in Marigat and Mukutani Divisions Reduced</p>	<p>Disease infections reduced ("How much" and "when" will be discussed later)</p>	<p>Specific Diseases will be evaluated after 12 months</p>	
<p>Results / Outputs;</p> <ol style="list-style-type: none"> 1. Collaboration with stakeholders increased 2. Exposure to vectors decreased 3. Health education reaches the community 4. Medical record is properly kept 	<p>OVI's will be discussed later</p>		<ul style="list-style-type: none"> * No imminent epidemics * No severe drought / famine
<p>Activities:</p> <p>Activities will be discussed later</p>	<p>Inputs</p> <ul style="list-style-type: none"> * Health personnel * Stakeholders (C.C.F., Catholic Mission, World Vision etc.) * Community volunteers 	<ul style="list-style-type: none"> * Lab equipment * Bill boards * Transports + fuel * Writing materials 	<ul style="list-style-type: none"> * Ministry of Health provides allowances and fuel * Marigat Health Facility opens own account * Security in the area is kept

Plan of Action of Kampi ya Samaki
(Revised on 17th, 18th and 25th November 2000)

1. Multi-purpose building is constructed and managed property							
Activities	Expected results	Indicators	Midterm Evaluation	Schedule	Main Actor(s) (Responsible Person(s))	Actors	
						Internal	External
1.1 Group Meeting	Elect officials	15 officials	Good	8th April 2000	Social Services Officer	Chief Muungano Group	
1.2 Application for plot	Shows site to build	Measured and signed	Good	13th April 2000	Chairlady, members	Land Board, Muungano group	Cooperation and unity
1.3 Plot allotment	Members shown the plot	Putting marking pegs	Good	13th April 2000	Chairlady, surveyor, County council	Baringo County Council	Cooperation and unity
1.4 Workshop Seminar to women group	Members taught how to move forward	Discuss procedure of the workshop	Good	19th April 2000	Loice Chepkonga Okawa, Kobiro	Councilor, Chief, JICA	Learn to maintain plot
1.5 Map drawing	See sketch map layout	Map complete	Good	18th April 2000	Architecture Muungano Group	Committee, members	Understanding and unity
1.6 Committee Meeting	Discuss methods To raise money	Sitting together as a team	Good	29th April 2000	JICA Architecture	Chief, Committee members	United Women group
1.7 Constructor	Arrange quotations for building	Construction	Good	18th April 2000	Muungano Group JICA	Chairlady, committee, JICA	United Women group
1.8 Collect construction tools	building to be completed	Foundation measurements	Good	29th April 2000	Committee, constructor	Committee, Muungano group	United Women group
1.9 Training committee and members	Members participate in the training	Officials teach the members	Good	15th April 2000	Muungano Group	Committee, Muungano group	United Women group
1.10 By-laws	Respect rules	Rules followed in total	Good	2-6th May 2000	Constructor, JICA	Good teamwork by all members	
1.11 Measurement of foundation	Correct measurements	Construction starts	Good	1st week of May 2000	Constructor Muungano Group	Committee, Muungano group	United Women group
1.12 Excavation of Foundation	Digging required level	Construction starts	Good	1st week of May 2000	Committee of Muungano Group	Committee, Muungano group	United Women group
1.13 Construction continues	Building to be completed	Building is completed	Good (in progress)	2nd week of December 2000	Muungano Group	Committee, Muungano group	United Women group
1.14 Employing the watchmen	Security in the plot	No trouble	Not yet	End of December 2000	Committee of Muungano Group	JICA, Muungano Group, SS officer	Meet rules and regulations
1.15 Construction of fence	Trees and flowers planted	Growing of trees and flowers	Not yet	April 2001	Muungano Group	JICA, Muungano Group	Watchman has good manner
1.16 Electricity wiring	Ready for connection		Good	October 2000	Constructor	Committee, JICA	Members are ready to work
1.17 Filling of electricity forms	Self introduction		Not yet	December 2000	Chairlady, Secretary, Treasurer	Committee, JICA	Members are ready to work
1.18 Payment of Electricity deposit	Meet the required down payment		Not yet	December 2000	Treasurer	Muungano Group	

Plan of Action of Kampi ya Samaki
(Revised on 17th, 18th and 25th November 2000)

2. Handicrafts are promoted								
Activities	Expected results	Indicators	Midterm Evaluation	Schedule	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions Internal	Important Assumptions External
<i>Beef making</i>								
2-1-1 Training handicrafts group	Improve skills	Transfer skills to others	Not yet	First week of May 2000	Handicraft groups	JICA, Social services officers	Good understanding among members	Rules of good conduct does not
2-1-2 Handicrafts group meeting	Plan Major duties	Skills of work	Not yet	25th November 2000	Handicraft groups	Committee, Handicraft group	Cooperation and unity	Good quality of products
2-1-3 Search handicraft facilities	Start making products	Products ready	Not yet	9th December 2000	Handicraft groups	Committee, Handicraft group	Team work among members	
2-1-4 Removing hair from skin	Lining softening of leather	Making leather products	Not yet	9th December 2000	Handicraft groups	Committee, Social services officers	Team work among members	
2-1-5 Coloring The leather	Ready to make	Attractive products	Not yet	Third week of May 2000	Handicraft groups, Committee	Muangano group JICA	Good understanding among members	Products of high standard
2-1-6 Preparing belt	Leather garment	Ready for use	Not yet	December 2000	Committee, Handicraft group	Committee, Handicraft group	Team work among members	
2-1-7 Search markets	Sell products	Get money	Not yet	5th December 2000	Committee, Handicraft group	Muangano group, Committee	Good understanding among members	
2-1-8 Selling the product	Attract customers	Good price	Not yet	January 2001	Committee, Handicraft group	Committee, Handicraft group	Trust among members	Customers increases
<i>Basket making</i>								
2-2-1 Training of members	Teach others	Transfer of skills to members	Good	Started on 13th November 2000	Committee, Weavers group, JICA	Committee, Weavers group, JICA	Team work among members	Better experts
2-2-2 Group meeting	Elect officials	3 officials	9 officials met	4th November 2000	Committee, Weavers group,	Committee, Weavers group,	Team work among members	Rules and regulation followed by members
2-2-3 Search for reeds	Get reeds	Bring reeds near to place of work	Not yet	9th December 2000	Committee, Weavers group,	Committee, Weavers group,	Good understanding among members	Peace and security
2-2-4 Drying seeds	Cutting reeds into pieces	Dry and straight	Not yet	Second week of December 2000	Committee, Weavers group,	Committee, Weavers group,	Team work among members	
2-2-5 Soaking the reeds	Sell reeds	Colored pieces	(Not reviewed yet)	Third week of May 2000	Committee, Weavers group,	Committee, Weavers group,	Good understanding among members	Peace and security
2-2-6 Weaving	Good products	Good quality	Not yet	January 2001	Muangano group, Committee	Muangano group, Committee	Trust among members	
2-2-7 Selling the product	Good price	Better price	Not yet	January 2001	Muangano group, Committee	Muangano group, Committee	Team work among members	
3. Honey business promoted								
Activities	Expected results	Indicators	Midterm Evaluation	Schedule	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions Internal	Important Assumptions External
3-1 Honey group meeting	Discuss methods of buying honey	Elect officials	Late but good	4th November 2000	Honey Group members	Committee, Members	Cooperation and team work	Good honey experts
3-2 Training of honey bee-keepers	Learn methods of honey refining	Better honey	Late but good	1st to 3rd August 2000	Members	Committee, Members, JICA, GOK	Members attend meetings	Peace and unity
3-3 Buying of honey materials	Buying of honey	Good quality honey	Good	11th November 2000	Mr. Mbaru, KARL, Home Economics Officer, SS Officer	Committee, Members	Unity among members	
3-4 Buying of honey	Selling of honey	Get profits	Not yet (building is not ready)	January 2001	Chairlady, Members	Honey Group members	Good understanding	
3-5 Sieping/measuring honey	Honey refining	Good quality honey	Not yet	January 2001	Committee, Members	Honey Group members	Unity among members	
3-6 Blasting of honey	Correct weighing	Better price	Not yet	January 2001	Honey Group members	Committee, Members	Cooperation and team work	
3-7 Search of markets	search for better price	Sell honey	Not yet	December 2000	Chairlady	Honey Group members	Unity among members	
3-8 Learn benefits of honey	Use of honey benefits	Get good profits	Not yet	December 2000	Treasurer	Honey Group members	Unity among members	Rules and policies does not change
3-9 Management of honey by products	Good management techniques	Make laves	Not yet	December 2000	Chairlady	Honey Group members	Unity among members	

**Midterm Evaluation at Kampi ya Samaki
(17th - 18th November, 2000)**

What was good?	Why it was good?	Any problem? (Encountered difficulties)	Better way? (Lessons learned)
Training on weaving		<p>Training delayed.</p> <p>No money to buy materials.</p> <p>Members didn't sit and plan how to gather money.</p> <p>Insecurity in traveling to Kapedo to get materials.</p> <p>Absentees and late comers during handicraft training.</p> <p>Lack of weaving materials.</p> <p>Struggling for construction money.</p>	<p>Training should follow the schedule. <i>(JICA Study Team)</i></p> <p>Every member should contribute Kshs. 300 for stock. <i>(Community)</i></p> <p>Members should sit together and be briefed on their money status. <i>(Community)</i></p> <p>Government to provide security on the roads. <i>(GOK)</i></p> <p>Women group to decide schedule and choose trainers/training courses. <i>(Community)</i></p> <p>Looking for cheaper materials in other places. <i>(Community)</i></p> <p>Schedule, cost and trainer should be fully discussed with participants. <i>(JICA Study Team, Community)</i></p> <p>Committee should be meeting and plan for day to day work. <i>(Community)</i></p>
Construction / Constructors		<p>Deadline of building target (Kshs. 270 per member) was postponed 5 times.</p> <p>Some parts had to be changed to improve the overall design.</p> <p>Difficulty in getting the Kshs. 270</p> <p>Construction not complete</p> <p>Water problem</p>	<p>Any amount agreed upon as contribution should be surrendered within the given time frame otherwise a member is fined. <i>(Community)</i></p> <p>Any doubt in relation to the building should be directed to the constructor or the committee. <i>(Community)</i></p> <p>Fundraising in small groups. <i>(Community)</i></p> <p>The committee members to approach the constructor to speed the construction process. <i>(Community)</i></p> <p>The constructor should make sure there is enough water always. <i>(Community)</i></p> <p>Members to contribute for water pipes. <i>(Community)</i></p> <p>Members to draw water and the constructor keeps the money. <i>(Community)</i></p>
Frequent meetings		<p>Not all members attend meetings</p> <p>Many late comers in meetings</p> <p>Misunderstanding on Muungano membership</p> <p>Misplacement of the names of those who paid the 10% (Kshs. 270) by the committee</p>	<p>Members should learn to work as a team. <i>(Community, JICA Study Team)</i></p> <p>The secretary should store her records in a safe place. <i>(Community, JICA Study Team)</i></p> <p>Money collection sheets should be prepared by each women group. <i>(Community, JICA Study Team)</i></p>
Refining of honey	Ensured separation of honey from wax	Lack of honey because of poor flowering in most plants caused by lack of rains.	Members should attend all group meetings. <i>(Community)</i>
JICA's assistance	Worked hand in hand with Muungano group.	Not all members attended training on honey refining.	Addition of water during the boiling of wax should be minimal. <i>(Community, JICA Study Team)</i>

Note : The only officers involved are only those brought by JICA Study Team.

Mid-term Evaluation at Sandai
(7th November, 2000)

1.0 Irrigation facilities are improved

Activities	Expected Results	Indicators	Schedule planned on 25th July 2000	Mid-term Evaluation	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions
1-1 Survey	Water level is fine	Pege	By 27th of July	Water is running in a very good way.	Min. of Agri. Technical Asst. Mr. Eijah Langat	Community, GOK, JICA	Internal Enough tools
1-2 Repair of Weir	Good division of water	Farmers get sufficient water	May, June, July 2000	The grill is required to prevent the silt	Community	Community, GOK, JICA	Internal Handcarts sand available
1-3 Excavation of main canal	Enough water in all parts	No complain from farmers	May, June, July 2000	Good (We have excavated 300m of the main canal)	Committee	Community, GOK, JICA	Internal Cooperation among members
1-4 Lining of canals	Seepage control	No seepage	May, June, July 2000	Good (We have lined 300m)	Committee, JICA, GOK	Community, GOK, JICA	Internal Good co-operation
1-5 Fixing gates	Proper distribution of water	Farmers don't complain on water	From November 2000	Good but late	Water guards, Committee	Community, GOK, JICA	Internal Laborers, Sand available
1-6 Construction of new division boxes	Enough water in all parts	Farmers do not complain of water in all parts	August, September, October 2000	Construction of division boxes & repair and cattle crossing repair not yet.	JICA, GOK, Community	Community, GOK, JICA	Internal Cooperation among members
1-7 Opening of main canal	Enough water in all parts	Farmers don't complain	1st August 2000	Main intake opened on 15th August 2000	Water guards	Water guards, Committee	Internal By Laws
1-8 By laws	Farmers follow water regulations	When lower part get enough water	July to August 2000	Not yet	Committee, Water guards, Farmers	Committee, Community	Internal Filing offenders
1-9 Planting	Enough harvesting	Poverty eradicated	1st Season : March - July, 2nd : August - Dec. every year	Not yet	Farmers	Community	Internal Land preparation is ready

2.0 Rational irrigation is realized

Activities	Expected Results	Indicators	Schedule planned on 25th July 2000	Mid-term Evaluation	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions
2-1 Committee formed	Chairman, Secretary, Treasurer	Good management of farms	First week of May, 2000	Committee was formed in October, 2000	Committee, Agriculture Officer	Community	Internal Members follow by laws
2-2 Making agreement on water time table	Community and members attend	By laws	December, 2000	Not yet	Water guard, Community	Community	Internal Enough tools to all members
2-3 Preparation of irrigating time table	Time table made	By laws	Second week of August 2000	Agreement made	Committee, Chief	Community and Agriculture	Internal There is no complain from farmers
2-4 Distribution of water	Watering	Good health of crops	August, September 2000	There is enough water	Committee	Community	Internal Good understanding among members
2-5 Farmers visiting farmers	Farmers acquire skills	Use skills acquired in national	August, September 2000	Farmers are now more skilled	Farmers	Committee, GOK	Internal Better skills to all members
2-6 Farm training	Good management	Use skills acquired in national	March / April 2001	Not yet	Chairman	Community, Agriculture officer	Internal Farming season of planting does not change
2-7 Farmers tours	Farmers acquire skills	Farmers learn other farmers	May / June 2001	Not yet	Chairman	Committee, GOK, JICA	Internal There is enough rain

3.0 On-farm irrigation water is saved

Activities	Expected Results	Indicators	Schedule planned on 25th July 2000	Mid-term Evaluation	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions
3-1 Clearing farm	Clean farm	Ready for ploughing	1st April 2000	Lots and stones left therefore land not ready for ploughing in time	Farmers and family members	Community	Internal Tools
3-2 Digging/Ploughing	Good soils	Fine leveled soil	4th April 2000	Digging/Ploughing not done well	Farmers	Farmers, JICA, GOK	Internal Tractor
3-3 Leveling	Good farm for irrigation	Fine leveled farm	6th - 10th April 2000	Leveling was not well adjusted	Farm owners, JICA	JICA, Farmers	Internal Leveler
3-5 Ridging	Water accessibility easy during watering	Fine lines	1st week of August 2000	Ridging done by some farmers	JICA, Farm owners	JICA, KARI, Farm owners	Internal Tractor found
3-6 Fencing	Protection of crops from animals	Fence	4th to 30th April 2000	Good	Farm owners	Farm owners	Internal Trees
3-7 Burying of seeds	Right seeds available	Right type / amount of seeds	25th to 30th April 2000	Seeds were defective	Farm owners, JICA	Community, JICA, GOK	Internal Transport & money available
3-8 Planting	Complete planting	Germination	1st August - 20th October, 2000	Planting not done by all farmers due to unreliability of rain	Farm owners	Community, JICA, GOK	Internal Seeds/planters available
3-9 Pest control	Healthy crops	Crop vigor	3rd week of August 2000	Protection of crops (pest) not done	Farm owners	Community, JICA, GOK	Internal Commitment to by laws
3-10 Crop management (shading water, repairing canals, watering farms)	Equal water distribution, healthy crops	Fine canal Less disputes	3rd week of August to October 2000	Crop management (1. shading water, 2. repairing canals, 3. watering) not done	Farm owners, family members	Family members, Water committee	Internal Better management
3-11 Weeding	Healthy crops	Crop inspection	After one month (September 2000)	Weeding not done	Farm owner, Community	Farm owner, Community, GOK, JICA	Internal Tools
3-12 Harvesting Beans, Milder/Soybean, Maize	Enough grains	Enough food	Beans & millet: October 2000, & soybean: November 2000 December 2000	Not yet	Farmers, Family members	Farmers, Community, GOK, JICA	Internal Family cooperation
3-13 Threshing of maize	Dry grains	Good weight of grains	December 2000 to January 2001	Not yet	Farmers	Community	Internal Threshing machine
3-14 Marketing	Good prices	Crop production quality/quantity improved	December 2000 to January 2001	Not yet	Farmers, GOK	Community	Internal Better roads for transport / security

Mid-term Evaluation at Sandai
(7th November, 2000)

4.0 Goats become fatter

Activities	Expected Results	Indicators	Schedule planned on 25th July 2000	Mid-term Evaluation	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions
			June, 2000	Good	Chief, Committee	Livestock officer, Chief, Committee	Internal Cooperation
4.1 Committee established	Proper management	Meeting and decision of officials	June, 2000	Good	Committee members	Community, Committee, Members	Internal Cooperation
4.2 Introduction of by laws	Easy management	Members follow rules	21st April 2000	Good	Chairman	Community, JICA	Internal Better leadership
4.3 Introduction of bucks	Improved Breeds large size	Size, age, large size	12th June 2000	Good	Chairman	Community, JICA	Internal Availability of the goats
4.4 Distribution of bucks to farmers	Improved Breeds large size	Match size of female/male	12th June 2000	Good	Chairman	Community, JICA	Internal Availability of the goats
4.5 Male mating plan	Match size of female/male	Many live kids	January - February, 2001	Not yet	Chairman, Livestock officer	Community	Internal Availability of the goats
4.6 Males breeding record	Know date of serving and kidding	Low mortality rate	January - February, 2001	Not yet	Chairman, Livestock officer, Committee	Community	Internal Availability of the goats
4.7 Fee contribution for the bucks	Enough funds	Healthy bucks	September 2000	Contribution done	Chairman, Livestock officer, Committee	Community	Internal Availability of the goats
4.8 Treatment of bucks	It ensures it is healthy	Bucks become strong and healthy	From September, 2000	Good	Farmers, Family members	Community	Internal Availability of the goats

5.0 Animal health is improved (DIP)

Activities	Expected Results	Indicators	Schedule planned on 25th July 2000	Mid-term Evaluation	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions
			From April, 2001	Not yet	Veterinary officer, Chief	Community, members (30)	Internal Community participation
5-1 Breeding Committee	Office bears	Proper management	From April, 2001	Not yet	Veterinary officer, Chief	Community, members (30)	Internal Community participation
5-2 Collection of funds	Necessitates other activities	Easy purchasing	After two weeks	Good	Dip Committee	Dip Committee, Veterinary Officer & Community	Internal Community resources
5-3 Repair of cattle dip using local material	Easy control of other animals	Easy movement & control treatment	Every three months	Good	Dip Committee	Dip Committee, Community	Internal Local materials available
5-4 Purchase of chemicals	Good storage	Use of water pump	After two months	Good	Dip attendant, Office bearers	Dip Committee and GOK	Internal Funds
5-5 Announcement of pumping water to the dip	Buffers full attendance dipping day	Enough water and dip solution	After two weeks	Good	Dip Committee	Community	Internal Availability of water
5-6 Watering	Dip ready	Better chemical solution	After two weeks	Good	Dip attendant	Community	Internal Funds
5-7 Putting chemical to the dip	Ticks controlled	Absence of ticks	Addition of chemicals after 125 cattle	Good (Cattle - 150, Goats - 100, Sheep - 53)	Livestock owners	Community	Internal Dip chemicals
5-8 Dipping animals	Get enough water	Presence of gutters	After two weeks	Not yet (Lack of funds)	Dip Committee	Community	Internal Dip chemicals
5-9 Buying of roof gutters	Tapping of water	Presence of tank	Yearly	Not yet (Lack of funds)	Dip Committee	Community	Internal Dip chemicals
5-10 Conservation of storage tank	Health animals	Health animals	First week of October 2000 and First week of February 2001	Not yet (Lack of funds)	Dip Committee, Community	Community, JICA, GOK	Internal Funds, Sand, bath, Water, Labor
5-11 Tressely traps	Health animals	Health animals	June and December yearly	Not yet	Appointed dip guards	Community, Dip committee	Internal Security
5-12 Vaccination	Bucks grow fatter	Health seems free animals	June, 2000	Only 19 farmers vaccinated their animals	Veterinary officers, Farmers	GOK, JICA	Internal Funds for drugs
5-13 Castration	worms eliminated	Health seems free animals	August - September, 2000	120 bucks castrated	Farmers, Dip officials	Community, JICA, GOK	Internal Bulls
5-14 Droversing			September - October, 2000	Good	Farmers	Dip committee, Community, GOK and JICA	Internal Animals chemist

6.0 Sandai villagers learn from verification project

Activities	Expected Results	Indicators	Schedule planned on 25th July 2000	Mid-term Evaluation	Main Actor(s) (Responsible Person(s))	Actors	Important Assumptions
			10th August to 15th September 2000	No (because of drought)	Farmers	Community, JICA, GOK	Internal Cooperation among farmers
Tying manual leveling	Farmers leveling own farm	Measuring	10th August to 15th September 2000	No (because of drought)	Farmers	Community, JICA, GOK	Internal Cooperation among farmers
Improves of irrigation canals	Water to reach all farms	Upper, Middle, Lower parts get water	2nd week - Lower part, 3rd week - Middle part, 4th week - Upper part	Only main canal was improved	Committee	Community, JICA, GOK	Internal Following By-laws
Water control and time table	Enough water in all parts	Less complaints from farmers of all parts	25-27 August upper part, 28th, Aug - 5 September middle, 6 - 13 September lower	No (because of no rain)	Water guard	Community	Internal Following By-laws
Land leveling	Water reliability	Farms are wet for a long time	Weekly rotation for each section	Good but not accurate, because there were no gates	Farmers	Community, JICA, GOK	Internal Cooperation among farmers
Planting	Good germination	Inspecting germination crops	5th September 2000	Good	Farm owner	Community, GOK	Internal Family cooperation
Weeding	Health crops	Crop inspection	1st October 2000	Good	Farmers	Community	Internal Cooperation
Watering	Crop growth	Good tussling and land/crops	10th November 2000	Good	Farmers	Community	Internal Cooperation
Harvesting	Enough grains	Enough food	20th January 2001	Not yet	Farmers	Community	Internal Cooperation

**Midterm Evaluation at Sandai
(10th and 11th November 2000)**

General

What was good?	Why it was good?	Any problem? (Encountered difficulties)	Better way? (Lessons learned)
Participation		<p>Mostly, the government officers were not involved fully in the work.</p> <p>The local community was not involved in any purchasing.</p> <p>Meetings started in the mornings when women were really busy.</p>	<p>The government officers should increase their efforts in mobilizing the community. <i>(GOK)</i></p> <p>The committee to be involved in deciding what to purchase. <i>(JICA Study Team)</i></p> <p>To have meetings in the afternoon. <i>(Community / JICA Study Team)</i></p> <p>All information on the development of the project should be passed in seminars. <i>(JICA Study Team)</i></p>
Payment		<p>Payment for canal by the community delayed.</p> <p>Payment was difficult because the information of 30% of the total cost was received very late when cost was very high.</p> <p>Community not keeping promised payment schedule.</p>	<p>The 30% contribution by cash should be stressed before any activity starts. <i>(JICA Study Team)</i></p> <p>The 30% contribution by cash should be stressed before any activity starts.</p>
Labour / Cost		<p>There was misunderstanding between JICA officials and the farmers because farmers thought manual labour was to be included.</p> <p>Reimbursement of cash was not well delivered to the community.</p> <p>Shortage of food hence reducing labour available.</p> <p>Way of cost estimate (daily basis) raised cost.</p>	<p>JICA to consider subsidization. <i>(JICA Study Team)</i></p> <p>Information board to be used to reach the community. <i>(Community, JICA Study Team)</i></p>

NOTE:

- 1) JICA to contribute 10% of the 30% as a subsidy due to the initial misunderstanding. *(Request)*
- 2) Food for work to be introduced. *(Request)*

**Midterm Evaluation at Sandai
(10th and 11th November 2000)**

What was good?	Why it was good?	Any problem? (Encountered difficulties)	Better way? (Lessons learned)
Canal survey	To get level of the shamba and canal. The survey team did a perfect job. The person who was doing survey did a good job.	The survey work was difficult. Labours clearing the bush.	No other way, that was the only way.
Canal digging	Participation. Brought people together.	Tools were heavy for women. Work of digging canal was difficult. The manual labour was hard.	Mobilizing of community <i>(Community)</i>
Canal lining	Speed of water Enough water	Community participation in canal lining decreased. Mostly, same villagers only participated in canal lining. Transportation raised project cost. Not many villagers participated in canal lining.	Before work commences, people should be taught the importance, duration of work and the cost. <i>(JICA Study Team)</i> All the villagers ought to participate in the work though in small numbers. <i>(Community)</i> The committee to be involved in deciding the transportation cost and funds. <i>(Community, JICA Study Team)</i> Each village ought to be given its day of canal digging. <i>(Community)</i> Progress should be reported regularly by information board and elder network. <i>(JICA Study Team)</i>
Division box / gate for sharing water.	To divide water Water moves easily.	The flow of water was stopped when plants needed water. Villagers opened the intake before the first gates cured well. Communication even among the leaders was not enough.	Division boxes should be constructed when there are no crops in the farms or when rain is enough. <i>(JICA Study Team)</i> During construction of division boxes, small water diversion units should be constructed to allow continuous flow of water. <i>(Community)</i> All leaders meeting should be convened. <i>(Community)</i> The lock should be repaired. <i>(Community)</i> An individual who opens a water gate before its time should be fined according to the by-laws set by community. <i>(Community)</i>

**Midterm Evaluation at Sandai
(10th and 11th November 2000)**

What was good?	Why it was good?	Any problem? (Encountered difficulties)	Better way? (Lessons learned)
Enzaro Jiko	For easy cooking Few firewood Saves time Makes work easier Children do not get burnt	Problem of tools (Wheelbarrow, Spade and Jembe) Making the mould	Cooperation of women in the village <i>(Community)</i> Training of women on how best to make the mould <i>(GOK and JICA Study Team)</i>
Water pump	Makes work easier	Dip committee meeting turnout was always low and often postponed Low turn-up of livestock beneficiary in every meeting Collection of Dip fee and castration fee is not transparent	To train Dip Committee to know about their work and keep time. <i>(GOK)</i> Livestock officers should call a meeting for the beneficiaries to be trained. <i>(GOK)</i>
Knapsack sprayer	Farmers away from the dip can use	The equipment has not been utilized Livestock equipment have not been used (No records)	All the fee should be recorded in the books for transparency <i>(Community)</i>
Dip repair	Easy movement of the cattle	The Dip structure (fence) earlier collapsed and we expected JICA to assist in the repair since the money collected from the dip is used to meet equipment cost Lack of timber	The whole Dip structure especially the enclosures (BOMAS) should be repaired.
Bucks Burdizzor	Expect goats to improve in growth Mating No internal injuries caused Easy work castration	Delay in payment by buck custodians Payment of the bucks was to be done in a group but when the members became reluctant, an individual solely paid They are few Most villagers do not have the knowledge on how to use the Burdizzor.	In future, people who intend to do things as a group should be properly mobilized on its importance. <i>(GOK)</i> Community need a demonstration on how to use the Burdizzor <i>(GOK)</i>

**Midterm Evaluation at Sandai
(10th and 11th November 2000)**

What was good?	Why it was good?	Any problem? (Encountered difficulties)	Better way? (Lessons learned)
Leveling of the land	Water saved during watering Time saved	The machine was big for small acreage Leveling was high	Small machines should be used for leveling (<i>GOK</i>) Ploughing of the land to be done twice for it to be good. (<i>Community</i>) The cost of leveling should be lowered in future. (<i>JICA Study Team</i>)
Touring projects within the division by JICA study team	Tour to other projects	Few people were taken for the tour The road was not good (caused puncture)	Places to be toured should have activities equivalent to those in our area The climatic conditions of the place to be toured should be equivalent to that of our area. More people to go for tours. Farmers to choose where to visit. (<i>JICA Study Team</i>)
Seminar	Closer to the community	Majority showed up two hours after the schedule (Lunch time) Quite often, information on the day of seminars reached the people late or not at all. Some villagers never knew the importance of seminars	Majority of the people still need mobilization. It is better to arrive late than never. The twenty five mobilizers should be more active in mobilizing the people. (<i>Community</i>) Mobilizers to mobilize the community to attend seminars (<i>Community</i>)
Plan of action for the project	Good cooperation with JICA team	Lack of motivation in the community Sometimes the plan of action is not properly followed due to unavoidable circumstances like natural calamities	Assessment to be done every six months to check what has been done and what to be done. Plan of action should be known through Chief's 'Barazas' or public notice boards.
Monitoring of the project		Most people were illiterate There was no proper monitoring of the project by the community.	Committee and area leaders to monitor projects. (<i>Community</i>) Beneficiaries to be checking the notice board at the centre. (<i>Community</i>)
Slide shows		Was too short. The slide show was not interesting though the talk was good. We need an improved one where images	We need more shows. If possible, every month. Show time should be prolonged.

Note : Leveling farmers to tour other leveled farms (*Request*)

Midterm Evaluation at Arabai
(14th November, 2000)

1. Improved rain-fed agriculture is introduced (Patalao)

Activities	Expected Results	Indicators	Midterm Evaluation	Schedule planned on 21st July 2000	Main Actor(s) - Responsible Person(s)	Actors	Important Assumptions (Internal / External)
1-1 Breeding	Land site selected	Map of site made	Good	18th March 2000	Village elders	Farmers, Elders	Agreed that land be selected and surveyed under village elder
1-2 Land surveyed	Before: 9 acres land After: 9.8 acres land Planting pgs.	Map of site given Pgs positioning complete	Good	22nd April 2000	Ass. Chief, Agri. Dept. Officers division + Chief	34 villagers	A nearby surveyor
1-3 Clearing land	Before: One line of canal complete After: One line of canal, complete 4 - 5 feet down	Measuring 2ft	Not yet	November - December 2000	Division + JICA team Surveyor, Ass. Chief, village elder, JICA team	Before: 34 villagers After: 48 villagers	Enough tools, agreed to Enough tools, agreed to work together
1-4 Digging	Election of 5 committee members	List of committee (5) released	Good	5th April 2000	Farmers themselves	Ass. Chief, Village elders + JICA team, Agriculture officers	Before: Each individual farmer, be given 4 meter long to dig After: 5m Farmers, villagers cooperates
1-5 Erecting, Commales	Farms ready for ploughing	After ploughing	2 farmers were late	Next (January - February 2001)	Farm owners	Villagers, Agriculture officers, JICA Team	Enough tools Enough pesticides
1-6 Land preparation	Planting crops in the farms	Seed germination	Half planned late	Next (March - April 2001)	Farm owners	Villagers, Agriculture officers, JICA Team	Cooperation and enough tools for weeding
1-7 Planting crops	Stop wild animals not to destroy crops	Good fencing	Not good enough	30th May 2000	Farm owners	Villagers, Agriculture officers, JICA Team	Cooperation and enough tools for digging
1-8 Farm security	Crop germination	Weeds cleared	Good	April - May	Farm owners	Villagers, Agriculture officers, JICA Team	Cooperation and enough tools
1-9 Weeding	Long reliability of water in trenches	Good ditches and "Panyu Jim"	Going on regularly / less rain	After harvest	Farm owners	Villagers, Agriculture officers, JICA Team	Cooperation and enough tools
1-10 Recapturing ditch "Panyu Jim"	Good harvest	Investing enough in Patalao	Not yet	September 2000	Farm owners	Villagers, Agriculture officers, JICA Team	
1-11 Harvesting							

2.1 Animal feeding is improved

Activities	Expected Results	Indicators	Midterm Evaluation	Schedule planned on 21st July 2000	Main Actor(s) - Responsible Person(s)	Actors	Important Assumptions (Internal / External)
2-1-1 Fencing pasture land	Livestock pasture grows	Inspect pasture	In progress	August 2000	Group chairman	Committee, Villagers	Good understanding among livestock farmers
2-1-2 Plant enough pasture	Livestock get enough pasture	Enough pasture for livestock	One farmer resented her pasture with seed from Leikipia	When seed available	Forester group secretary	Committee, Villagers	Enough pasture and regulation rules
2-1-3 Plant "Ngoswe" (evergreen local tree)	Availability of "Ngoswe"	Maintain available "Ngoswe"	Only two farmers sited having planted "Ngoswe"	When rainy season starts	Forester group secretary	Committee, Villagers	Enough pasture seeds
2-1-4 Reserve pasture	Get enough pasture during drought	Inspect storage of pasture	Pastures only available on protected plots	1 week of August 2000	Livestock officer, Group chairman	Committee, Villagers	Enough storage places for pasture
2-1-5 Regular dipping livestock	Stop tickborne diseases	Reduced tickborne diseases	Few farmers dip their livestock regularly	After Dip repaired	Dip committee	Livestock farmers	Enough dip solution
2-1-6 Deworming livestock	Get rid of worms	Deworming (Drugs available)	To accommodate tight budgets farmers deworm only the weak animals	September 2000	Livestock farmers	Livestock farmers	Follow given rules of deworming
2-1-7 Salt feeding	Livestock feeds on salt	Livestock farmers use salt lick	Farmers largely depend on natural salt licks in the lowlands	September 2000	Livestock farmers	Livestock farmers	Enough feeding trough

2.2 New breeding system is introduced

Activities	Expected Results	Indicators	Midterm Evaluation	Schedule planned on 21st July 2000	Main Actor(s) - Responsible Person(s)	Actors	Important Assumptions (Internal / External)
2-2-1 Make groups for breeding (Goats)	Cooperation among livestock farmers	Have election to monitor groups	Good	13th June 2000	Group, Committee	Members, Villagers	Cooperation among livestock farmers
2-2-2 Breeding system	High grade goats with milk	Slow grade goats	Good	14th June 2000	Committee, Livestock officers	Members, Villagers	Bucks be introduced
2-2-3 Stop local breeding of goats	Good strong goats	Change of local breeds	A few farmers have started using the right bucks	December 2000	Committee, Livestock officers	Members, Villagers	Motivation of livestock farmers (Burdoo use) (30% cost-sharing will be completed by installation)
2-2-4 Culling unproductive goats	High grade goats	Reducing unproductive goats	Culling of unwanted is on-going	15th June 2000	Committee, Livestock officers	Members, Villagers	Awareness in using Bucks
2-2-5 Castrating the goats	Good productive goats	High income of goats	12 farmers reported having castrated their bucks	Next year	Committee, Livestock officers	Members, Villagers	Awareness and use of Burdoo (Few can use Burdoo)

Midterm Evaluation at Arabal
(14th November, 2000)

2.3 Animal health is improved

Activities	Expected Results	Indicators	Midterm Evaluation	Schedule planned on 21st July 2000	Main Actor(s) - Responsible Person(s)	Actors	Important Assumptions (Internal / External)
2.3.1 Election of dip committee	Electing 13 committee members	Registration of the members	Good (Dip members - 84, Voting members - 48, Committee - 13)	22nd April 2000	Veterinary officers, Social services	Dip committee, Villagers	Advertising meeting date
2.3.2 Inspecting the dip	Dirty water	Write a report	Good	13th May 2000	Veterinary officers, Dip committee, JICA team	Dip committee, Villagers	Competent dip secretary
2.3.3 Removal of dirty water	Clean mud free dip	Pumping clean water	Good	14th May 2000	Veterinary officers, Dip committee, JICA team	Dip committee, Villagers	Enough tool to remove dirt and mud
2.3.4 Reempting of Dip	Have clean good dip	Dip ready for use	Good	13th June 2000	Dip committee, Veterinary officer	Dip committee, Villagers	Enough tools
2.3.5 Buy acaricides	Availability of acaricides	Enough acaricides	Paid Ksh. 11,000 Balance Ksh. 19,000	13th July 2000	Dip committee, Veterinary officer	Livestock farmers, Villagers	Enough money to buy drugs
2.3.6 Livestock dipping	Correct dip solution	List of number of livestock attended	Low dipping turnout	15th/16th July 2000	Dip chairman, Treasurer, Secretary	Livestock farmers, Villagers	Enough livestock farmers
2.3.7 Meeting all dip committee	Attendance of the meeting	Dip committee explain results	Good	15th July 2000	Dip chairman, Treasurer, Secretary	Livestock farmers, Villagers	Record of facilities available

3. People of Arabal learn from selected farmers

Activities	Expected Results	Indicators	Midterm Evaluation	Schedule planned on 21st July 2000	Main Actor(s) - Responsible Person(s)	Actors	Important Assumptions (Internal / External)
3.1 Unity among farmers	Unity among all villagers	Villagers working together	Not yet (They have not visited the verification site)	20th September 2000	Group leaders, Village elders, Mobilizers	Villagers	Good understanding
3.2 Make tools circulate among villagers	Villagers work hard	Good work	Not yet (Survey and pegging not yet complete)	1st August 2000	Village committees	Villagers	Follow rules already put in place
3.3 Go to monitoring as much as possible	Villagers learn more about each other	See the success of the farmers	Villagers have visited several sites	15th August 2000	Villagers, Chief	Villagers	Established farms
3.4 Soil conservation	Villagers organize soil conservation days	Soil erosion reduced	Not yet	16th December 2000	Village elders, Villagers	Villagers	Crop germination in the farms
3.5 Have common learning center for farmers	Good building	Learning resource for farmers	Not yet	1 week of September 2000	Village committees	Villagers	Have enough tools
3.6 Learn to use natural resources	Use available local materials	No miss use of locally available resources	Available resources have been utilized but not fully	Year 2000	Chief, Villagers	All Arabal Villagers	Reserve local available materials
3.7 Women groups	United women groups	Have a women working committee	Good (11 groups in place)	1st November 2000	Group committee, Women groups	Active women groups	Follow laid down regulations
3.8 Continue grazing fields	Have enough pasture	Marking grazing fields	Not yet	1st June 2001	Village elders, Chief	Villagers	Awareness of conserving grazing fields

Midterm Evaluation at Arabai
(14th. November, 2000)

What was good?	Why it was good?	Any problem? (Encountered difficulties)	Better way? (Lessons learned)
Unity	Work done within a short time. Welcomed visitors as a team. Reduced costs and therefore encouraging others like people in Rugus.	Hunger amongst the people. Time too short for all activities. Delay in registering farmers association.	Better organisation by community. <i>(Community)</i> Work to begin early (Nov - January). <i>(Community, GOK, JICA Study Team)</i> Farmers should be able to assess, evaluate and appreciate their efforts. <i>(Community)</i> Communication should be more frequent and clearer among stakeholders. <i>(Community, GOK, JICA Study Team)</i>
Digging canals / Laterals		Poor maintenance of canals and soil conservation structure.	Do regular disilting and repairs after every downpour. <i>(Community)</i>
Seed distribution / Good crop growth	Indication of good harvest Increase in food availability	Crop destruction by animals Problem in the payment of seed, fertilizer/pesticides	Cactus should be planted far away from farms to act as fence to prevent encroachment by animals. <i>(Community)</i> Domestic animals to be grazed away from farms. <i>(Community)</i> Farmers to man their crops keenly from planting to harvesting. <i>(Community)</i> All farmers should plant their crops at the same time. <i>(Community)</i> Seeds should be first planted in a pilot farm. <i>(Community)</i> Farmers to tour other areas of related farming. <i>(Community, JICA Study Team)</i> Planting should be done bearing in mind the available labour. <i>(Community, GOK, JICA Study Team)</i>
JICA study team and GOK involvement in most activities	Assisted the people		What to be done should be clearly explained to the farmer. <i>(GOK, JICA Study Team)</i>

NB: Alert KWS on wildlife damage and if possible, relocate baboons and monkeys *(Request)*

Midterm Evaluation at Arabal
(14th. November, 2000)

What was good?	Why it was good?	Any problem? (Encountered difficulties)	Better way? (Lessons learned)
Use of local materials		<p>Not all farmers have done fencing</p> <p>Farmers don't harvest grass seeds</p>	<p>Farmers should be educated on the need of protecting pasture. <i>(GOK)</i></p> <p>Farmers to organize and visit farmers who have fenced their pasture. <i>(Community)</i></p> <p>Range officers to show farmers how to harvest grass seeds. <i>(GOK)</i></p> <p>Awareness to farmers should be done by committee members, GOK officers, JICA study team, Administrators and other leaders. <i>(GOK, JICA Study Team)</i></p> <p>Farmers to harvest from farms already with grass. <i>(Community)</i></p>
Dipping / Breeding		<p>100 cattle is needed per week to sustain it.</p> <p>In-breeding is still a problem</p> <p>Roaming dogs bite both animals and people causing rabbies</p> <p>Roaming donkeys destroy crops</p> <p>Diseases caused by worms</p>	<p>Farmers dipping their animals regularly should teach those who don't on the importance. <i>(Community)</i></p> <p>Farmers not dipping their animals should be fined / punished by the community. <i>(Community)</i></p> <p>Bucks should breed for two years only. <i>(Community)</i></p> <p>Dogs to be vaccinated against rabbies. <i>(GOK)</i></p> <p>Roaming dogs should be killed by the veterinary department. <i>(GOK)</i></p> <p>Donkey farmers to take care or look after their donkeys. <i>(Community)</i></p> <p>Farmers to deworm their livestock regularly. <i>(Community)</i></p>

**Project Design Matrix (PDM) of Marigat Youth Polytechnic
(8th April 2000)**

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important assumptions
<p>Overall goal Higher income for the community</p>	<p>The income of Households in Marigat will increase by 5% by the year 2002</p>	<p>Evaluation report</p>	
<p>Project purpose Improve market for the "Jua Kali" products</p>	<p>"Jua Kali" artisans will increase their sales by 10% by the end of the year 2001</p>	<p>Monitoring and evaluation reports Sales records</p>	<p>Purchasing power of the community does not deteriorate to the severe level of 1984</p>
<p>Results/outputs</p> <ol style="list-style-type: none"> 1. MYP produces graduates with high skills 2. Improved quality of "Jua Kali" products 3. MYP trainees produce high quality products 4. MYP is well known in the community 	<ol style="list-style-type: none"> 1. By the end of the year 2001, 50 graduates will have been trained in short courses and upgrading courses 2. "Jua Kali" artisans using the new MYP equipment will increase by 30% by the end of the year 2001 3. MYP trainees will produce 100 quality products during their practical sessions by the end of the year 2001 	<ol style="list-style-type: none"> 1. Enrollment records of MYP 2. Graduation records of MYP 3. MYP records <p>Production records Stock records at the showroom</p>	<ol style="list-style-type: none"> 1. County Councils' trading and marketing policies remain the same 2. Product are fairly affordable 3. "Jua Kali" artisans do not suffer severe insufficient and unstable capital base
<p>Activities</p> <ol style="list-style-type: none"> 1.0 Introduce short courses <ol style="list-style-type: none"> 1.1 Develop Training Plans 1.2 Acquire Training Tools and Equipment. 1.3 Advertise the short courses 1.4 Enroll trainees for short course 1.5 Develop lesson plans short courses 1.6 Develop timetable for short courses 1.7 Produce short course certificates 2.0 Promote "Jua Kali" with "Jua Kali" artisans <ol style="list-style-type: none"> 2.1 Re-organize the carpentry workshop 2.2 Avail information about services on offer 2.3 Organize workshop records 2.4 Hire machine operator 2.5 Produce ready made woodwork products 2.6 Provide services to "Jua Kali" artisans 2.6 Provide tools to the ballast group 3.0 Support trainees to practice production skills of high quality products <ol style="list-style-type: none"> 3.1 Acquire materials for carpentry 3.2 Support trainees design of woodwork products 3.3 Supervise practical production sessions 3.4 Hire a salesperson 3.5 Identify new showroom 3.6 Stock the showroom 3.7 Sale of Trainees products 3.8 Provide 50% of labor charge to trainees accounts 3.9 Provide graduating trainees with essential tools 4.0 Increase awareness of MYP <ol style="list-style-type: none"> 4.1 Advertise MYP courses and services through barazas 4.2 Advertise MYP courses & services at church services 4.3 Advertise MYP course & services through posters. 	<p>JICA Study Team</p> <p>Equipment and tools</p> <ul style="list-style-type: none"> Small equipment Woodwork hardware materials Timber Woodwork electrical equipment Installation and wiring Tools for ballast making <p>Carpentry experts allowance</p> <p>Study tour</p> <p>Transport</p> <p>Training materials</p> <p>Training</p>	<p>Inputs</p> <p>MYP</p> <ul style="list-style-type: none"> Staff salaries Carpentry experts allowance Stationery Training facility Training tools and equipment Administrative expenses Training materials Maintenance 	<ol style="list-style-type: none"> 1. Trainees attend sufficient number of upgrading skills courses 2. Community can afford to pay school fees
			<p>Precondition The GOK personnel will accept the project</p>

Plan of Action of Marigat Youth Polytechnic
(Reviewed on 7 October 2000)

Activity	Expected results	Indicators	Review 1 (28 July 2000)	Evaluation (7 October 2000)	Schedule (by month)								Main Actor(s) (Responsible Person(s))		
					4	6	8	10	12	2	4	6		8	
1.0 Introduce short courses															
1.1 Develop Training Plans	training plans for short courses	documentation of plans	Good	Good											Instructors
1.2 Acquire Training Tools and Equipment	well equipped courses	no. of tools and equipment	Good	Good											HRD Expert
1.3 Advise courses through "barazas"	increased awareness	no. of "barazas"	Not yet	Not yet											Chairman of MB
1.3.1 Advise short courses through Churches	increased awareness	no. of announcements	Not yet	Not yet											Chairman of MB
1.3.2 Advise short courses through schools	increased awareness	no. of interviews held	Good	Good											Chairman of MB
1.3.3 Conduct interviews for short courses	admissions to short courses	no. of interviews held	Good	Good											PM
1.4 Enroll trainees for short course	enrollment to short courses	no. of trainees enrolled	Good	Good											PM
1.5 Develop lesson plans for carpentry short course	completed lesson plans	lesson plans	A copy will be prepared by the Project Manager	A copy will be prepared by the Project Manager											Carpentry instructor
1.5.1 Develop lesson plans for tailoring short course	completed lesson plans	lesson plans	A copy will be prepared by the Project Manager	A copy will be prepared by the Project Manager											Tailoring instructor
1.5.2 Develop lesson plans for mechanics metalwork short course	completed lesson plans	lesson plans	A copy will be prepared by the Project Manager	A copy will be prepared by the Project Manager											Mechanics instructor
1.6 Develop timetable for carpentry short course	completed timetable	presence of weekly timetable	Not yet	Not yet											Carpentry instructor
1.6.1 Develop timetables for tailoring short course	completed timetable	presence of weekly timetable	Not yet	Not yet											Tailoring instructor
1.6.2 Develop timetable for mechanics metalwork short course	completed timetable	presence of weekly timetable	Not yet	Not yet											Mechanics instructor
1.6.3 End of Thesis tests	evaluation of learning	no. of tests administered	Not yet	Not yet											Instructors
1.6.4 Produce short course certificates	short course certificates	no. of certificates produced	Not yet	Not yet											PM
1.6.5 Produce short course certificates	certified graduates	no. of certificates issued	Not yet	Not yet											PM
1.7.1 Evaluate results of short courses	evaluation data	completed evaluation report	Not yet	Not yet											Chairman of MB, Ex. Ass. Skilled
2.0 Promote linkages with "Lug Kaji" artisans															
2.1 Re-organize the carpentry workshop	better organized workshop	change in organization	New committee was formed in June 2000												Carpentry instructor
2.2 Avail information about services on offer	awareness about the services	no. of posters	Not yet	Not yet											Carpentry instructor
2.2.1 Avail information about safety and use	awareness about safety	no. of posters	Not yet	Not yet											Carpentry instructor
2.3 Generate income	proper teaching system	quality of teaching system	Done in July 2000												Asstt. Manager (Instructors)
2.4 Hire machine operator	efficient service provision	employment of operator	Not yet	Not yet											Chairman of MB
2.5 Produce ready made woodwork products	stocks of ready made products	no. of woodwork products	Ksh247,000 for 23 boards, Ksh19,000 for 3 tables and arm benches and Ksh19,500 for a door	Not yet											Mechanics instructor
2.6 Provide services to "Lug Kaji" artisans	improved "Lug Kaji" products	quality of products	Not yet (2 wheelbarrows, 5 buckets and 2 hammers for demo only)	Not yet											Carpentry instructor
2.6.1 Provide tools to the tailoring group	improved quality of tailoring	quality of tailoring	Not yet	Not yet											MVP - Masonry Instructor
3.0 Support grade test trainees to practice production of high quality products															
3.1 Acquire materials for training	access to production materials	no. of materials acquired	All materials for six months were required												HRD Exp.
3.1.2 Acquire materials for training	access to production materials	no. of materials acquired	Not yet	Not yet											PM
3.2 Support trainees design of woodwork products	design of high quality products	quality of design	Good	Good											Carpentry instructor
3.2.1 Support trainees design of tailoring products	design of high quality products	quality of design	Good	Good											Tailoring instructor
3.3 Supervise practical production sessions	high quality production	quality of products	Good (carpentry only)	Good											Instructors
3.3.1 Survey for a better showroom in Marigat	rent a showroom	proposal of possible premises	Good (carpentry only)	Good											PM
3.3.2 Discuss rental terms of showroom	rent a showroom	meeting	Under negotiation	Not yet											PM
3.3.3 Identify a subperson	short-listed candidates	no. of applications	Not yet	Not yet											Chairman of MB
3.4 Hire the subperson	sale of products	employed subperson	Not yet	Not yet											Chairman of MB
3.5 Stock the showroom	stocked showroom	no. of products stocked	Not yet	Not yet											Salesperson
3.6 Open showroom	display of products	no. of products on display	Not yet	Not yet											Salesperson
3.7 Sale of Trainees products	income	amount of sales	1 wood 80x100, 2 stools and 4 wooden tables in stock in the Oct. 3 Stock @ 16K Newspaper	Not yet											Salesperson
3.8 Provide 50% of labor charge to grade test trainee accounts	income for trainees	amount in trainees accounts	Not yet	Not yet											PM
3.9 Provide grade test graduates with essential tools	equipped graduates	no. of tools provided	Not yet	Not yet											Carpentry instructor
4.0 Increase awareness of MVP															
4.1 Advise MVP courses and services through "barazas"	increased awareness	no. of meetings	Not yet	Not yet											Chairman of MB
4.2 Advise MVP courses and services at church services	increased awareness	no. of announcements	Not yet	Not yet											Chairman of MB
4.3 Advise MVP courses and services through posters	increased awareness	no. of posters	Not yet	Not yet											Chairman of MB

Forecast Budget for Marigat Youth Polytechnic, Year 2000
(Revised on 28 July 2000)

Forecast of Income and Income Sources		Forecast of Expenditure	
Item	Amount (Kshs)	Item	Amount (Kshs)
School fees, 25 students @ 5,600 per course	140,000	Staff salaries	124,440
Income from sales of farming	<u>45,000</u>	Training materials	30,000
Income from furniture sales <u>from training, 100 stools @150</u>	<u>15,000</u>	<u>Cost for farming</u>	<u>15,000</u>
<u>Income from garment sales from training, 3 suites @2,000, 2 dresses @500, 10 baby dresses @100</u>	<u>8,000</u>	Stationery	8,000
Fund raising from the community ("harambees")	72,980	Transport	15,000
Sponsorship from friends (skopring community)	41,580	Entertainment (<u>Management board meetings and study tours (breakdown will be made by the project manager)</u>)	24,000
		Development / maintenance	48,000
<u>Income from Carpentry Production Unit, 50 desks @1,000, 150 stools @150, 60 beds @1,400, 50 small</u>	<u>169,000</u>	Bills (water, electricity, telephone & postal)	29,120
		<u>Material for production</u>	<u>119,000</u>
		<u>Labor for production</u>	<u>34,000</u>
		<u>Others</u>	<u>45,000</u>
Total	<u>491,560</u>	Total	<u>491,560</u>

**Midterm Evaluation at MYP
(18th November 2000)**

What was good?	Why it was good?	Any problems? (Encountered difficulties)	Better way? (Lessons learned)
<p><u>1.0 Introduce short courses</u> Having tools for carpentry and machines Proper tools were received in carpentry and a good number of training materials Provision of Timber Study tour for students, instructors and management Upgrading skills for instructors and tours Recognition on institution by many visitors</p>	<p>The Machines brought made the work easy Machines assist make the work and designing easier. Also materials boost production For training purpose Educated all the involved parties It improves the instructor on how to train the trainees Through JICA Study Team organizing visitors to institution</p>	<p>Community can't always afford to pay school fees Short and upgrading courses alone can't attract trainees Shortage of staff for doing both long and short courses Lack of training materials in the polytechnic in (M.V.M) motor vehicle Tools received late Lack of food during lunch time for students No students enrolled from many locations Decrease of the enrolled students Lack of adequate knowledge to prepare work plans by staff and management Some tools have not been used</p>	<p>Find scholarship and / or harambee of the community. ● Use the income from production / renting out for trainees who can't pay. ● Develop affordable curriculum. ● Enhance and demonstrate quality of training. ● Introduce extra curriculum activities. ● Employ more staff. Use Jua Kali with high skills as part-time instructors for short courses. ● Acquire training components. ★ I0 have a vehicle for mechanic department for training practicals. ★ Acquire productive machine in MVM equipment e.g. ★ Introduction of external instructor and tools must be timely. (JICA Study Team) To increase school fee and to provide lunch. ● More campaign, go to areas by bicycle. (MB, community leaders) ● Catholic or C.C.F. to be requested to assist some trainees in payments. (MB) ● We have to make workplans for every activities to be carried out. ● Develop teaching programs with full utilization of tools. ●</p>
<p><u>2.0 Promote linkages with "Jua Kali" artisans</u> Quick services to Jua Kali artisans Getting money from them</p>	<p>Made Jua Kali artisans aware of the services given to them Better earning to the institution</p>	<p>Jua Kali artisans don't pay enough money to the services offered to them. Duration of short courses for beginners is too short. Many activities within a short time. Potential trainees go for casual labour. Student boarders are not given enough care. Record of tools rented out to Kokoto group was not complete.</p>	<p>The Polytechnic to fix proper prices to the cost of services offered to Jua Kali artisans. ● Short courses period for beginners to take 9 months plus 2 months attachment. ● Each activity to be given enough time for implementation. ● To have a short duration for upgrading. ● Full boarding in school. ★</p>
<p><u>3.0 Support grade test trainees to practice production of high quality products</u> Re-organisation of carpentry High production in carpentry Training of the machine operator</p>	<p>Provided for workshop equipment and tools. Hiring of machine operator and provision of materials</p>	<p>Carpentry machine failures - Surface planner - Spindle molder Jua Kali workers create technical courses in their workshops which makes the MYP to loose students. A trainee cut his finger with the circular saw.</p>	<p>Machines require proper maintenance and care always. ● Youth polytechnic to improve quality of it's courses to attract students. ● Real materials to be used while training especially on textile. ● Workshop rules and regulations should be observed. ● Trainees to use machines under supervision of the instructor. ●</p>
<p><u>4.0 Increase awareness of MYP</u> Awareness for the Jua Kali processing services Awareness of MYP to community</p>	<p>Promoted services provided by the polytechnic. The collaboration of MYP and the Ballast group.</p>		

NOTE 1:

- : Which **MYP and instructors** can apply soon (in verification period).
- ★ : Which we didn't or couldn't include at the start of the project.

NOTE 2:

Challenges by the Jua Kali artisans in production of certain items makes MYP produce even much better.