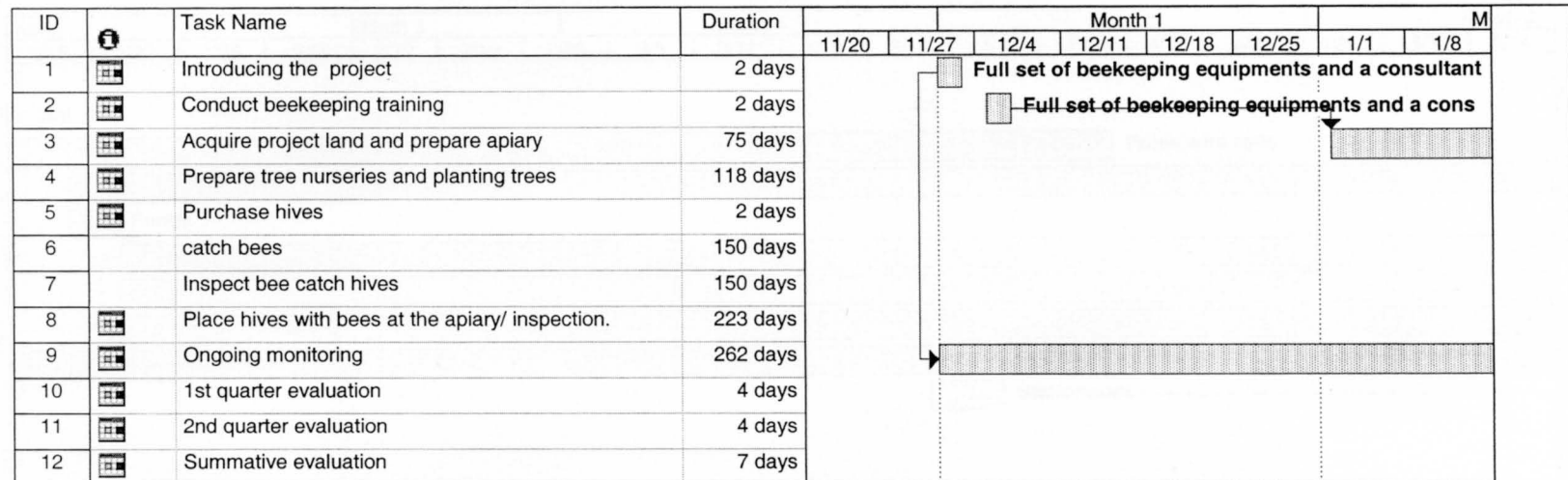


## **APPENDICES**

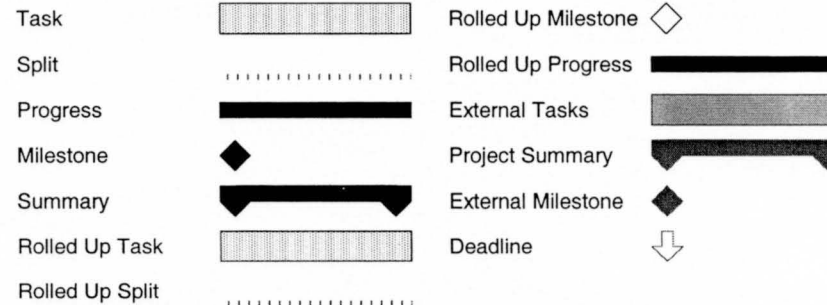
### **Appendix 1: Letters of Introduction/Acceptance**

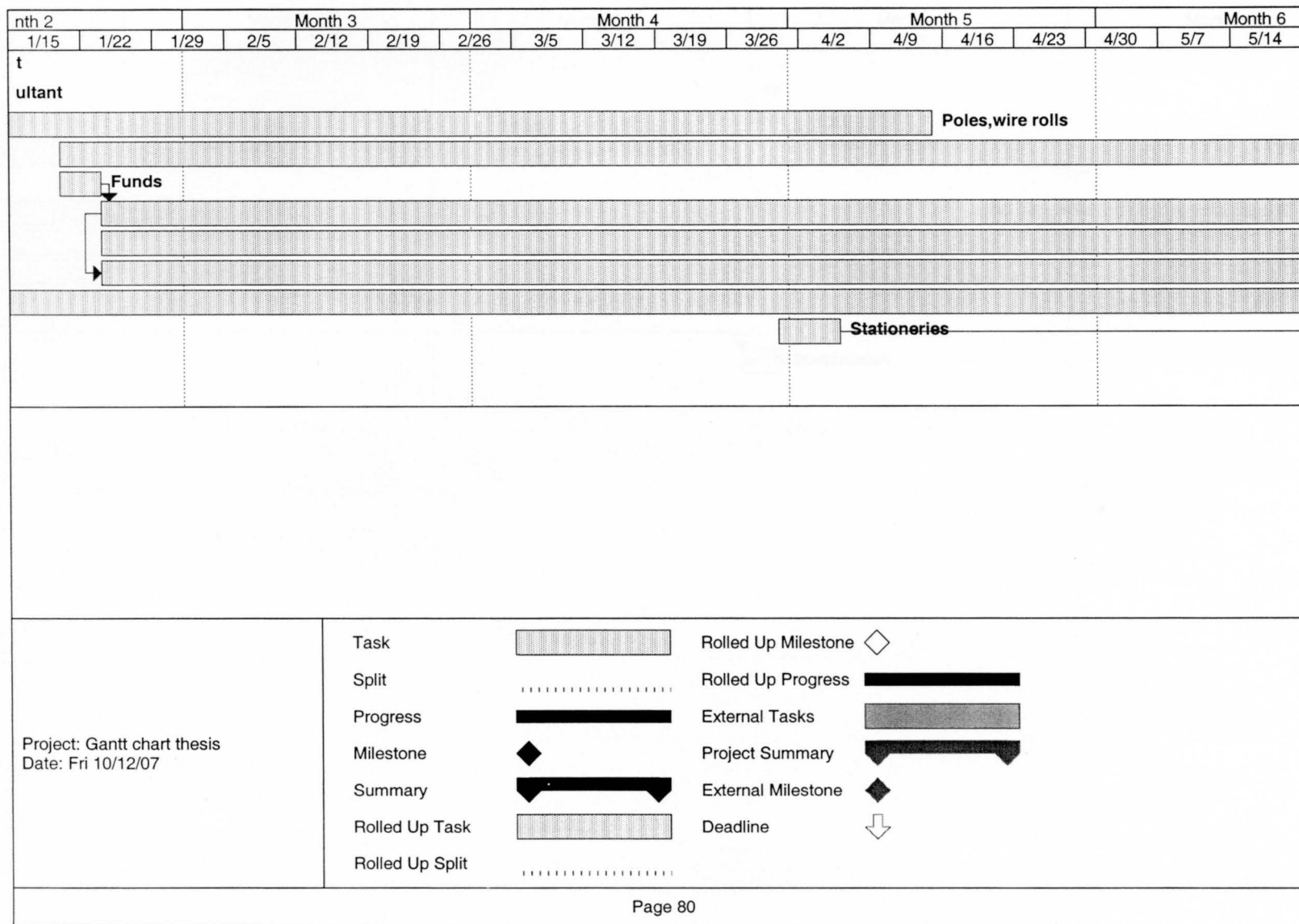
Since the researcher works in Matipwili village he introduced himself verbally to the Village Executive Officer and the village government. The village government was happy to work with the researcher but on a condition that they should get a copy of the research project.

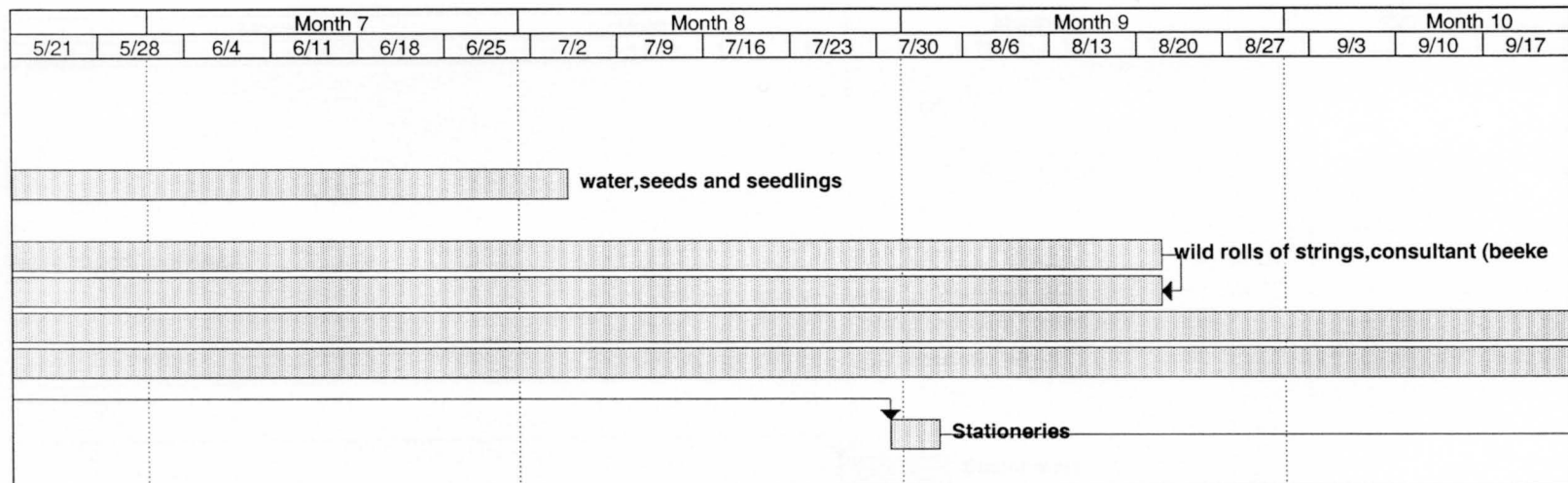
**Appendix 2: Project Implementation Gantt Chart**



Project: Gantt chart thesis  
Date: Fri 10/12/07







Project: Gantt chart thesis  
Date: Fri 10/12/07

Task



Rolled Up Milestone

Split



Rolled Up Progress

Progress



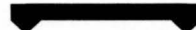
External Tasks

Milestone



Project Summary

Summary



External Milestone

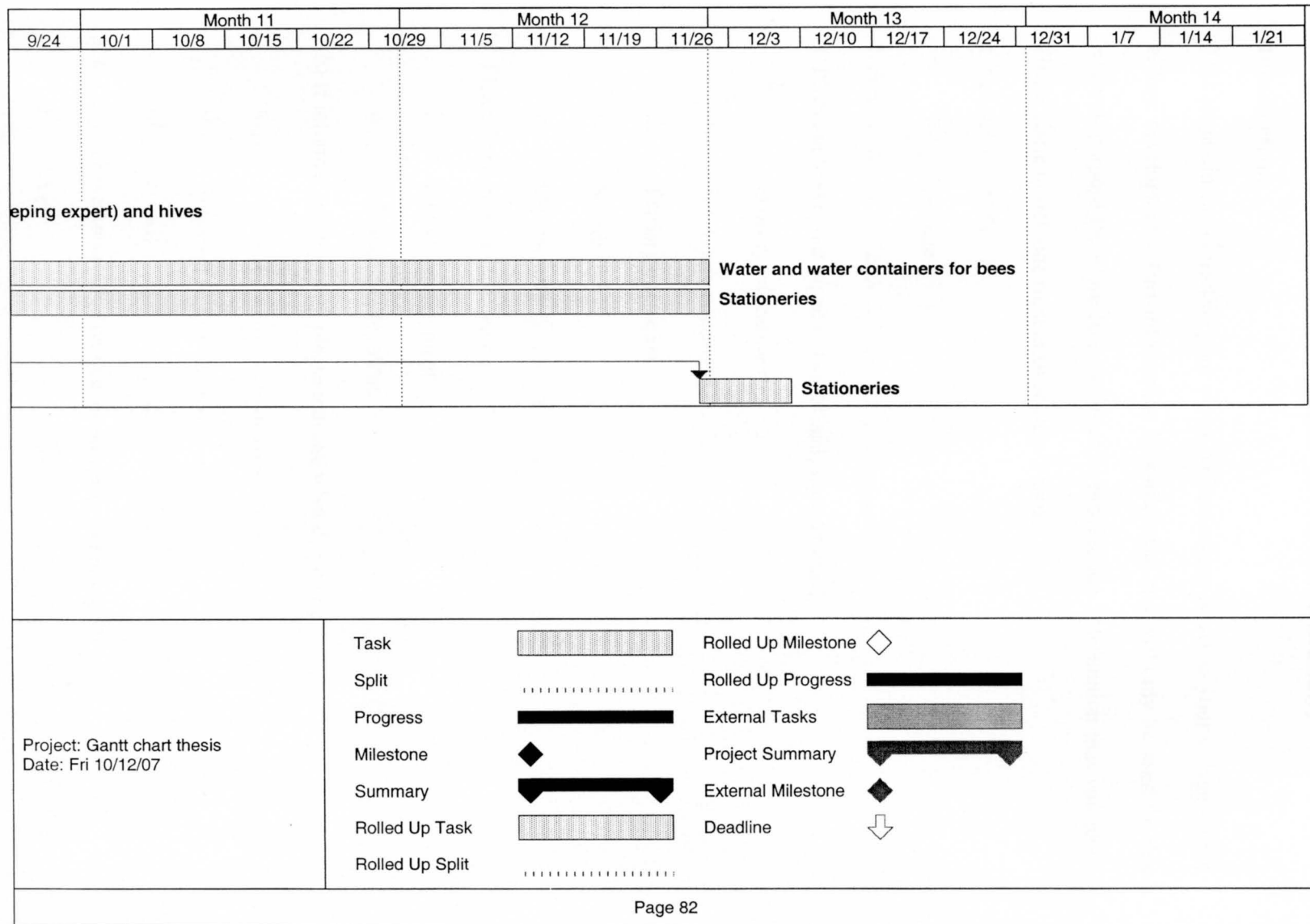
Rolled Up Task



Deadline

Rolled Up Split





### **Appendix 3: Questionnaire for villagers (Honey Harvesters only)**

#### **Introduction:**

This paper aims at collecting your views on beekeeping issues in your village for the village development. This information is confidential and will only be used for this research purpose therefore feel confident to provide any information that you have.

Please circle or tick one right answer only. Thanks.

1. Sex i. Male

ii. Female

2. Age .....

3. Please indicate your highest level of education attained

i. Primary education

ii. Secondary education

iii. Tertiary education

iv. No education

v. Others, specify .....

4. Please indicate your occupation

i. Formal employment

ii. Informal employment

b) If informal employment, please indicate what do you do

i. ....

ii. ....

iii. ....

5. a) Do you have knowledge on new beekeeping technology?

i. Yes

iii. No

b). If yes, what is it and where did you acquire it from?.....

.....

6. What methods do you use in harvesting honey?

- i. Burning dry grass on the hives entrance
- ii. Smoking the hives using smoker
- iii. Other, specify.....

7. If you burn grass for harvesting, why are you using such a method?

- i. Because it protects harvesters from bee attack
- ii. Because that is the only technology known in the village
- iii. Because of 1 and 2 above
- iv. Others, specify.....

8. Do you have any beekeeping equipments/protective gears that you use during harvesting?

- i. Yes
- ii. No

9. If yes, what are they?

- i. Bee suit
- ii. Boots and gloves
- iii. Smoker
- iii. All the mentioned equipments
- v. Others, specify .....

10. Are there any beekeeping extension workers working in or visiting your village for beekeeping issues?

- i. Yes
- ii. No



11. a) Do you think it is important to introduce beekeeping in the village?

- i. Yes, very important
- ii. Yes, it is important
- iii. No
- iv. I don't know

b) If yes, why?

- i. It will provide income to the villagers
- ii. It is the source of food and medicine
- iii. It will increase crop production though pollination process by bees
- iv. All above
- v. Others, specify.....

c) If no, why?

- i. Bees are dangerous to people
- ii. No profit in beekeeping
- iii. It takes time to earn cash/income (i.e. Payback period is very long)
- iv. Others, specify.....

12. What do you recommend for effective beekeeping in the area if introduced?

- i. Training to villagers
- ii. Provision of beekeeping equipments on credit basis
- iii. Both i and ii above
- iv. Others, specify.....
- v. I don't know

13 a) Do you think beekeeping is viable in project in Matipwili village?

- i. Yes
- ii. No
- iii. I don't know

b) If yes why?

- i. There are plenty of bee colonies in the area
- ii. A lot of bees' forage in the area (especially the forest and crops)
- iii. Both i. and ii. above
- iv. Others, specify .....

c) If no why?

- i. The climate is not good for beekeeping
- ii. No bees in the area
- iii. Others, specify.....

14. How do you describe bees availability in the village area?

- i. Plenty
- ii. Average
- iii. Rare
- iv. No bees at all

## **Appendix 4: Questionnaire for villagers (excluding honey harvesters)**

### **Introduction**

This paper aims at collecting your views on beekeeping issues in your village for the village development. This information is confidential and will only be used for this research purpose therefore feel confident to provide any information that you have.

Please circle or tick one right answer only. Thanks.

1. Sex
  - i. Male
  - ii. Female
2. Age .....
3. Please indicate your highest level of education attained
  - i. Primary education
  - ii. Secondary education
  - iii. Tertiary education
  - iv. No school at all
  - v. Others, specify .....
4. a) Please indicate your occupation
  - i. Formal employment
  - ii. Informal employment

b) If informal employment, please indicate what do you do

  - v. ....
  - vi. ....
  - vii. ....
5. a) Do you have knowledge on beekeeping?
  - i. Yes
  - ii. No

b) If yes, what is it and where did you acquire it from?

.....  
 .....

6. Are there any beekeeping extension workers working in or visiting your village for beekeeping issues?

i. Yes

ii. No

7. a) Do you think that it is important to introduce beekeeping in the village?

i. Yes, very important

ii. Yes, it is important

iii. No

iv. I don't know

b) If yes, why?

i. It will provide income to the villagers

ii. It is the source of food and medicine

iii. It will increase crop production through pollination by bees

iv. All above

v. Others, specify.....

c) If no, why?

i. Bees are dangerous to people

ii. No profit in beekeeping

iii. It takes time to earn cash/income (i.e. payback period is very long)

iv. Others, specify.....

8. What do you recommend for effective beekeeping in the area if introduced?

- i. Training to villagers
- ii. Provision of beekeeping equipments on credit basis
- iii. Both i and ii above
- iv. Others, specify .....
- v. I don't know

9. a) Do you think beekeeping is viable in project in Matipwili village?

- i. Yes
- ii. No
- iii. I don't know

b) If yes why?

- i. There are plenty of bee colonies in the area
- ii. A lot of bees' forage in the area (especially the forest and crops)
- iii. Both i. and ii. above
- iv. Others, specify .....

c) If no why?

- i. The climate is not good for beekeeping
- ii. No bees in the area
- iii. Others, specify .....

10. How do you describe bees availability in the village?

- i. Plenty
- ii. Average
- iii. Rare
- iii. No bees at all

11. Do you agree that there is a good market for honey in the village?

- i. Yes, strongly agree
- ii. Yes agree
- iii. No, strongly disagree
- iv. No, disagree
- v. I don't know

12. What is the market price per kilogram of honey in the village?

- i. Tshs. 500 – 900
- ii. Tshs. 1000 – 1500
- iii. Tshs. 1500 – 2000
- iv. Tshs. 2000 and above

## Appendix 5: Project Budget

DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL	SOURCE	
					CBO	DONOR
1. Purchasing of 20 Hives <i>Longstroth</i> hives		20	9,000	<b>180,000</b>	180,000	-
2. Purchase record Assorted books and stationeries	Assorted	Assorted	-	<b>10,000</b>	10,000	-
3. Wire for hanging the hives	Roles	1	5,000	<b>5,000</b>	5,000	-
4. Poles for making goal posts	Loads	1.4	5,000	<b>6,250</b>	6,250	-
5. *Bee hive kit	Sets	2	60,000	<b>120,000</b>	-	120,000
<b>TOTAL</b>				<b>321,250</b>	<b>201,250</b>	<b>120,000</b>

\*Beehive kits were donated by Sanctuary Tanzania Limited. The kit included bee suit, rain boots, gloves, hive tool, smoker and bee brush.

**Appendix 6: Project Power Point Presentation**



**VIABILITY OF BEEKEEPING PROJECT  
AS A MEANS OF INCOME  
GENERATION AND ENVIRONMENT  
CONSERVATION IN MATIPWILI  
VILLAGE, BAGAMOYO DISTRICT**

Presenter:  
Belington E. Mariki

**Host Organisation**

Matipwili Environmental and  
Development Club (MEDEC) in  
Bagamoyo, District, Coastal  
Region

**Problem statement**

- Honey collection but yet to be tapped for income generation in the area.
- No beekeeping though the available potential
- Poor harvesting methods-burning

**Research objective**

**General:**

To conduct the analysis of the viability of beekeeping project as a means of income generation activity and environment sustainability in Matipwili village.

**Specific objectives**

- To establish the socio-economic characteristics of respondents in the study area
- To examine community members attitudes, skills and knowledge towards beekeeping in the study area
- To determine the market, sources of information and extension services on beekeeping available in the study area
- To examine the community members rating and knowledge of STLtd activities

**Specific objectives cont....**

- To evaluate the MEDECs activities
- To examine community members knowledge and attitudes toward MEDEC's activities
- To establish factors affecting community members adoption of beekeeping technologies in the study area
- To assess the viability of beekeeping project in the area as a means of income generation activities.

### Research Questions

- Is the lack of beekeeping equipments and exposure to new technology related to poor harvesting methods in the study area?
- Does lack of beekeeping knowledge and expertise contributes to poor adoption of beekeeping technology in the study area?
- Is Beekeeping an effective Income Generation Activity (IGAs) and a viable project in the area?

### Methodology

- 40 respondents
- 3 sub villages out of 7
- Purposive and random sampling
- Questionnaires, Interviews, observation and documentation

### Results shows that:

- Beekeeping is viable in the area
- Community agree on the project as IGA
- Poor harvesting methods relates with lack of equipments and exposure to new technology
- There is lack of knowledge and no expertise

### Recommendations

- Implementation of beekeeping-capacity building to MEDEC
- Government intervention-research, experts and mobilization
- Research on the role of beekeeping to socio-economic status of people

### Project Implementation

**Title:** Capacity Building for MEDEC  
Beekeeping for Environment Protection  
and Income Generation Project in  
Matipwili Village, Bagamoyo District

### Project objectives

- To train all 20 MEDEC members on beekeeping and the use of Longstroth hives by the end of the year 2006.
- To keep twenty (20) Longstroth hives by the end of the year 2006.
- To plant four hundred (400) Melliferous plants alongside Wami River (at the village area), at the village centre, and around the apiary till the end of the year 2006.

**Project Implementation**

**Products and Outputs:**

- 1. Twenty fully operating longstroth hives with at least 20 hives with bees in.
- 2. All 20 group members skilled in bee-keeping knowledge and project operations
- 3. Four hundred (400) planted live trees in the project area

**Project Implementation Plan**

Activities	Month	Resources needed	Person Responsible

**Project Monitoring**

Activity	Duration	Methods	Current Progress	Barriers	Solutions

**Project Evaluation**

Objectives to be accomplished	Information needed	Sources	Techniques/Methods	Instruments

**Project Sustainability**

**Sustainable Because;**

- community initiated project.
- Coincide with the MEDEC mision and vision
- Initial funding is from members contribution