

## **Appendices**

**Appendix 1: Application Letter**

Betty Chalamila  
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Dar-es-Salaam  
21/09/2005

The Chairperson  
Mshikamano Community Based Organization  
P.O.Box 10, Kitomondo  
Mkuranga

**Re: TECHNICAL CONSULTANCY FOR MSHIKAMANO WOMEN GROUP**

I hereby submit my request to work with your organization for eighteen months starting from 21/09/2005.

I am a student at the Open University of Tanzania and Southern New Hampshire University studying a Master degree in Community Economic Development.

During this course I am required to attach myself to the CBO and provide free technical consultancy in Project design and management.

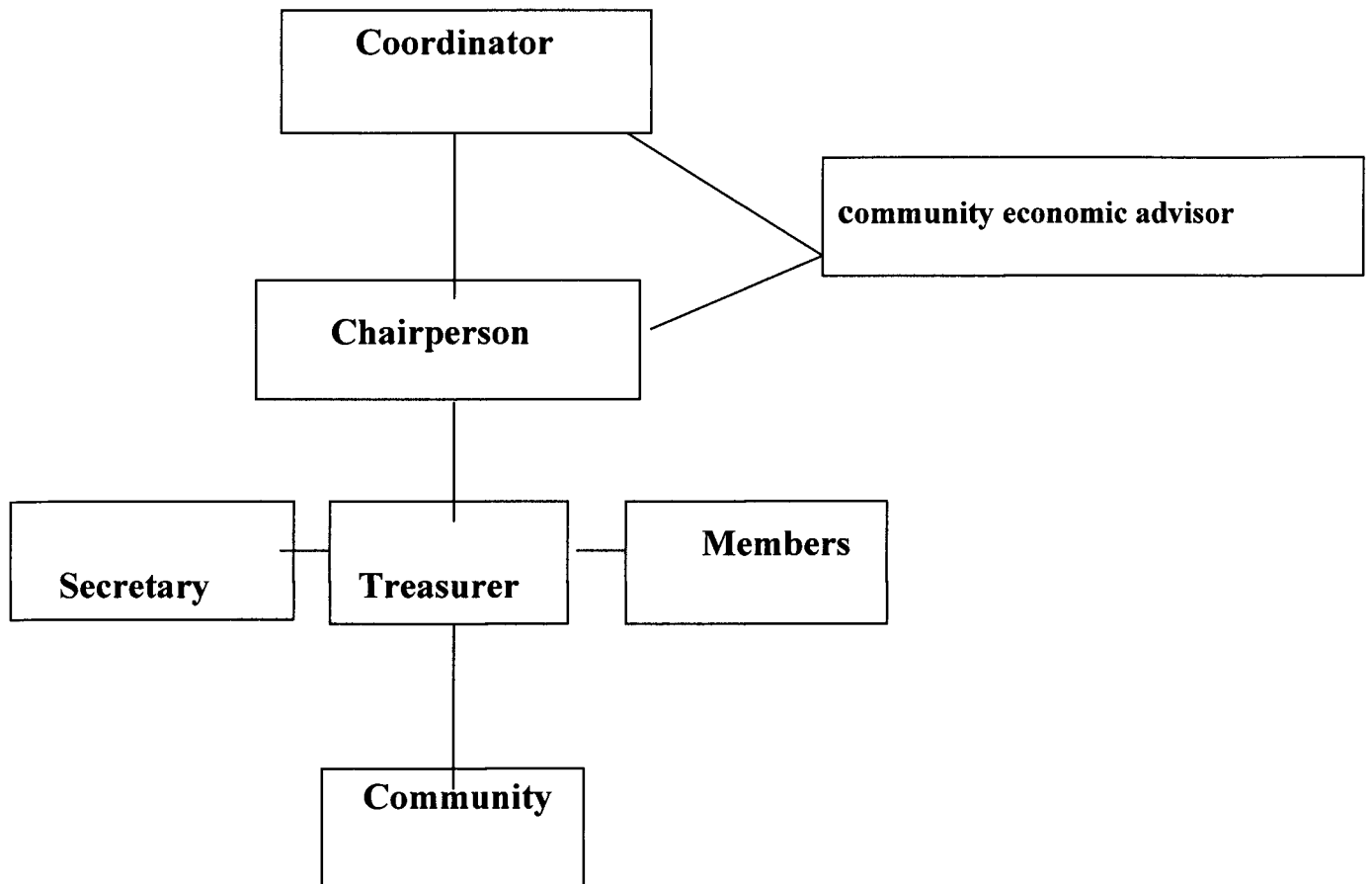
I have selected your organization and I hope we will work together for the benefit of the community.

I look forward for your consideration

Yours sincerely  
Betty Chalamila

## Appendix 2: ASSESSING NEEDS- KITOMONDO COMMUNITY

| <b>INFORMATION REQUIRED</b>   | <b>SOURCE OF INFORMATION</b>  | <b>MEANS OF GATHERING INFORMATION</b>                                       |
|---|---|---|
| 1. Demographic data of the community (population, age, sex, education, occupation and income) | Census data, CBO leaders and members  | Review of reports, documented census data, questionnaires                   |
| 2. List of priority needs of the Kitomondo community  | Districts development initiatives, key informant, CBO leaders and members, teachers, extension officer selected community members | - Review reports<br>- Structured discussion, observation and questionnaires |
| 3. Ranking of priority needs  | CBO leaders and members, teachers, selected community members   | - Structured discussion and questionnaires                                  |
| 4. Social and available resources, (SWOT analysis)  | Community leaders, key informants, schools teacher, CBO leaders and selected members  | - Focus group discussion and questionnaires                                 |
| 5. Suggested solution to the problem  | Community leaders, key informants, schools teacher, CBO leaders and selected members  | - Focus group discussion, observation and questionnaires                    |
| 6. Analysis of the solutions and recommendation   | - Community leaders, key informants, schools teacher, CBO leaders and selected members  | - Focus group discussion and questionnaires, review of existing records     |

**Appendix 3: Organizational Chart**

### Appendix 4: Work Plan

| Activities   | Time-Frame  |        |             |        |      |             |             |             |             |             |             |             |             |        |             |        |      |    | Resources                         | Responsible   |
|--|-------------|--------|-------------|--------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|-------------|--------|------|----|-----------------------------------|---|
|  | 2005        |        |             |        | 2006 |             |             |             |             |             |             |             |             |        |             |        | 2007 |    |                                   |   |
|  | S<br>e<br>p | O<br>c | N<br>o<br>v | D<br>e | Jan  | F<br>e<br>b | M<br>a<br>r | A<br>p<br>r | M<br>a<br>y | J<br>u<br>n | J<br>u<br>l | A<br>u<br>g | S<br>e<br>p | O<br>c | N<br>o<br>v | D<br>e | Ja   | Fe |                                   |   |
| 1. Organize and conduct meeting to facilitate the involvement of all project stakeholders in project planning and implementation |             |        |             |        |      |             |             |             |             |             |             |             |             |        |             |        |      |    | Transport and time                | Betty Chalamila , village leaders, CBO leaders and other stakeholders                                       |
| 2. Facilitate constitution preparation and obtain formal registration  |             |        |             |        |      |             |             |             |             |             |             |             |             |        |             |        |      |    | Transport, flipcharts, marker pen | Betty Chalamila, CBO members and leaders  |
| 3. Organize training on organizational skills (leadership) and business management and market skills                             |             |        |             |        |      |             |             |             |             |             |             |             |             |        |             |        |      |    | Transport and time                | Betty Chalamila CBO leaders/ members, SIDO facilitator  |
| 4. Organize and facilitate training and establishment of improved chicken micro enterprise                                       |             |        |             |        |      |             |             |             |             |             |             |             |             |        |             |        |      |    | Transport and time,               | B. Chalamila, CBO leders, members, village extension officer  |
| 5. Conduct baseline survey   |             |        |             |        |      |             |             |             |             |             |             |             |             |        |             |        |      |    | Transport, allowance, papers      | B.Chalamila, CBO leaders, members, village leaders, key informant, extension officer and other stakeholders |
| 6. Organize and facilitate   |             |        |             |        |      |             |             |             |             |             |             |             |             |        |             |        |      |    | Transport, time, and allowance    | Researcher, village extension officer,  |

|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| training on the proper use of chicken manure in vegetable plots                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | B.Chalamila, CBO leaders and members   |
| 7. Organize and facilitate training and establishment of savings and credit scheme                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Transport and money, /feeds/medicine money<br>B. Chalamila, researcher, SIDO facilitator, CBO leaders and members, Cooperative officer, village leaders  |
| 8. Awareness raising meeting on the economic and nutritional importance of vegetables and chicken |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Transport, flip charts, marker pen, note books<br>Researcher, village extension officer, CBO leaders and members and B. Chalamila                        |
| 9. Organize and conduct Monitoring of project activities  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Transport, allowances<br>B. Chalamila, CBO leaders /members, extension officer, researcher and TanCert   |
| 10. Organize and conduct evaluation of project activities   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Paper rims, transport, checklist, allowances<br>B.Chalamila community leaders/ members, extension officer, researcher and TanCert , FARM AFRICA and SIDO |
| 11. Final Project report presentation   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Time, Paper rims<br>Betty Chalamila  |

**Appendix 5: Staff Job Description**

| <b>Responsible</b>                                    | <b>Duties</b>   |
|---|---|
| 1. Chair person of MKIWAKI organization (Mosi Hariri) | <ul style="list-style-type: none"> <li>- Monitoring and evaluation of project activities</li> <li>- Organize and conduct meeting with 20 trained members</li> <li>- Mobilize and sensitize other community members to join SACCOS</li> </ul>                                |
| 2. Secretary of MKIWAKI (Tano Mabeya)                 | <ul style="list-style-type: none"> <li>- Followup of constitutional preparation and registration</li> <li>- Monitoring and evaluation of project activities</li> <li>-Record keeping of activities and meetings , problems and success</li> </ul>                           |
| 3. Treasurer of MKIWAKI (Mayasa Tauna)                | <ul style="list-style-type: none"> <li>- Monitoring and evaluation of project activities</li> <li>-Mobilize and sensitize other community members to join SACCOS</li> <li>-Deposit contribution to the bank</li> <li>-Produce financial report</li> </ul>                   |
| 4. Volunteer extension officer                        | <p>Monitoring and evaluation of project activities,</p> <ul style="list-style-type: none"> <li>- Conduct training on chicken keeping and the use of chicken manure</li> <li>- Mobilize more community members to participate in chicken keeping micro enterprise</li> </ul> |
| 5. Business development officer (SIDO KIBAHA)         | <ul style="list-style-type: none"> <li>-Training on business management, entrepreneurship, savings and credit scheme and marketing skills</li> </ul>  |

**Appendix 6: Project Budget**

| Activity  | Required facilities                       | Estimated costs  | Funds from the community                            | Gap/deficit   | Funded by FARM AFRICA                              | Amount  |
|---|---|--|---|---|--|---|
| 1. Conducting a need assessment   | Transport cost to Mkuranga                | Tsh. 100,000   | 0   | Tsh.100,000   | FARM AFRICA  | Tshs.   |
|   | Allowances                                | 110,000  |   | Tshs 110,000  |  | 235,000   |
|   | Stationeries                              | 25,000   |   | Tsh 25,000  |  |   |
| 2. Mobilize community members contribution in buying local chicken and improved cockerels, feeds and medicines mobilization | Transport cost to Mkuranga                | Tsh. 30,000  | 0   | Tsh. 30,000   | FARM AFRICA  | Tshs.<br>30,000   |
| 3. Training women on chicken keeping husbandry  | Transport and Training fee/ allowance     | Tshs. 30,000<br>Tshs. 305,000                                | 0<br>0  | Tshs. 30,000<br>Tshs.305,000                                  | FARM AFRICA  | Tshs.30,0<br>00<br>Tshs.<br>305,000                     |
| 3. Procurement of chicken/improved cockerel, feeds stuff Organic vaccines/medicines. Drinking/feed troughs                  | 100 local chicken<br>2000 kgs<br>20<br>40 | Tshs. 400,000<br>Tshs. 400,000<br>Tshs. 60,000<br>Tshs. 3000 | Tshs. 100,000<br>Tshs. 100,000<br>Tshs. 20,000<br>0 | Tshs.300,000<br>Tshs 300,000<br>Tshs. 40,000<br>Tshs. 120,000 | Credit from FARM AFRICA<br>Credit from FARM AFRICA | Tshs.<br>300,000<br>Tshs.<br>300,000<br>Tshs.40,0<br>00 |

|                                 |  |  |             |   |  |   |
|---------------------------------|--|--|-------------|---|--|---|
|                                 |  |  |             |   |  | 120,000   |
| 4. Training on soil improvement | Transport<br>Allowance   | Tshs. 30,000<br>Tshs. 40,000                   | 0<br>0      | Tshs.30,000<br>Tshs. 40,000                   | FARM<br>AFRICA                           | Tshs.70,000   |
| 5. Monitoring                   | Transport,<br>paper rims, note<br>books, register<br>and allowance | Tshs. 100,000<br>Tshs. 50,000<br>Tshs. 285,000 | 0<br>0<br>0 | Tshs. 100,000<br>Tshs.50,000<br>Tshs. 285,000 | FARM<br>AFRICA<br>MAFS<br>FARM<br>AFRICA | Tshs.<br>100,000<br>Tshs.<br>50,000<br>Tshs.<br>285,000 |
| 6. Evaluation                   | Transport,<br>paper rims , flip<br>charts<br>allowance             | Tshs. 100,000<br>Tsh. 30,000<br>Tsh. 220,000   | 0<br>0      | Tshs. 10,000<br>Tsh. 30,000<br>Tshs.220,000   | FARM<br>AFRICA<br>MAFS<br>FARM<br>AFRICA | Tshs.<br>100,000<br>Tshs.<br>30,000<br>Tshs.220,000     |
| 7. Documentation                | Paper rims,<br>printing,<br>photocopying                           | Tshs. 80,000                                   | 0           | Tshs. 80,000                                  | MAFS                                     | Tshs.<br>80,000   |
| 8. Consultants                  | Training fee   | Tshs. 450,000                                  | 0           | Tsh.450,000                                   | FARM<br>AFRICA                           | 450,000   |
| Total                           |  |  | 220,000     |   |  | 2,745,000   |

### Appendix 7: Monitoring Plan

| <b>Objective 1</b><br>To facilitate the initiation of chicken micro-enterprise project for 20 Kitomondo women by February, 2006.                    | <b>Indicators</b>  | <b>Data source</b>                                   | <b>Methods/<br/>Tools</b>   | <b>Person responsible</b>   | <b>Time frame</b>                |
|---|--|--|---|---|----------------------------------|
| <b>Activities for objective 1</b><br><br>1.Meeting to facilitate the involvement of all project stakeholders in project planning and implementation | - Number of meetings organized.<br>- Number of participants attended the planning<br>- money and resources available | - reports<br>- attendance registered<br>-participant | -Observation<br>- group meetings<br>- record books<br>-ledger books | -project advisor<br>-project coordinator<br>-CBO leaders              | Oct, 2005-<br>Nov, 2005          |
| 2. Constitution preparation and obtain formal registration  | - number of CBO participants<br>-constitution available<br>-available certificate                                    | -CBO leaders   | - Observation   | -project advisor<br>-project coordinator<br>-CBO leaders              | Oct, 2005-<br>January, 2006      |
| 3. Development of training needs and develop training materials   | - number of training materials and content   | -trainers<br>-trainees<br>-CBO leaders               | -semi structured interview<br>-observation                          | -project advisor<br>-project coordinator<br>-CBO leaders              | December, 2005-<br>January, 2006 |
| 4.Training on organizational skills Business management and marketing.  | - number of training sessions<br>- number of trainees  | -trainers<br>-trainees<br>-CBO leaders               | -observation<br>-record books                                       | -project advisor<br>-project coordinator<br>-CBO leaders<br>-Trainers | January, 2006-<br>February, 2006 |
| 5. Organize and facilitate training and establishment of improved chicken micro enterprise.   | - number of training sessions<br>- Number of trainees.   | -CBO leaders, trainees                               | -record books, interviews   | Project advisor, CBO leaders  | February, 2006-                  |
| <b>Objective 2</b><br>To increase the productivity of   | <b>Indicators</b>  | <b>Data source</b>                                   | <b>Methods/</b>   | <b>Person</b>   | <b>Time frame</b>                |

|  |   |   |  |  |                          |
|--|---|---|--|--|--------------------------|
| amaranthus from 3,000 kilograms to 7,000 kilograms per acre through improvement of soil fertility by June 2006                       |   |   | <b>Tools</b>   | <b>responsible</b>                                       |                          |
| <b><u>Activities for objective 2</u></b><br><br>1. Training on the use of chicken manure and disease control in vegetable production | 1. Number of available trainers in chicken manure application.<br><br>2. Number of trainees<br>3. No of resources available           | - reports<br>- attendance register<br>-participant    | -Observation<br>- group meetings<br>- record books<br>-ledger books      | -project advisor<br>-project coordinator<br>-CBO leaders | May, 2006-June, 2006     |
| 2. Facilitate the development of vegetable plots using the recommended amount of manure  | 1. Number of established plots.<br><br>2. The amount of manure available<br>3. Number of trainees                                     | -CBO leaders<br>-trainees<br>-extension officer       | - Observation<br>- farmer record books<br>-semi structured interview     | -project advisor<br>-project coordinator<br>-CBO leaders | May, 2006-July, 2006     |
| 3. Facilitate monitoring and evaluation of the activities/objectives   | 1. Number of activities performed.<br><br>2. Number of trained women<br>3.Efficiency of utilization of funds and other resources used | -trainers<br>-trainees<br>-CBO leaders<br>-accountant | -semi structured interview<br>-observation<br>Review financial documents | -project advisor<br>-project coordinator<br>-CBO leaders | May, 2006-February, 2007 |
| <b><u>Objective 3</u></b><br>To train 20 Kitomondo   | <b>Indicators</b>   | <b>Data source</b>                                    | <b>Methods/</b>  | <b>Person</b>  | <b>Time frame</b>        |

|  |   |   |  |   |                               |
|--|---|---|--|---|-------------------------------|
| women on savings and credit services by November, 2006   |   |   | <b>Tools</b>   | <b>responsible</b>  |                               |
| <b>Activities for objective 3</b><br>1. To facilitate awareness meeting and training materials | 1. Number of trainees<br>2. content of training material<br>3. No of resources available  | - reports<br>- attendance register<br>-participant    | -Observation<br>- group meetings<br>- record books<br>-ledger books      | -project advisor<br>-project coordinator<br>-CBO leaders<br>-SIDO | October, 2006- November, 2006 |
| 2. To facilitate and organize training on savings and credit scheme.                           | 1. Number of trainees.<br><br>2. The amount of manure available<br>3.Number of trainees   | -CBO leaders<br>-trainees<br>-extension officer       | - Observation<br>-farmer record books<br>-semi structured interview      | -project advisor<br>-project coordinator<br>-CBO leaders<br>-SIDO | October, 2006- November, 2006 |
| 3. Facilitate monitoring and evaluation of the activities/objectives                           | 1. Number of activities performed.<br>2. Number of trained women<br>3.Efficiency of utilization of funds and other resources used | -trainers<br>-trainees<br>-CBO leaders<br>-accountant | -semi structured interview<br>-observation<br>Review financial documents | -project advisor<br>-project coordinator<br>-CBO leaders          | November,2006–February, 2007  |

## Appendix 8: GANTT CHART

[illegible]

## Appendix 9: Research Questionnaire

### A: BASIC INFORMATION FOR CHICKEN KEEPING ENTERPRISE

QUESTIONNAIRE NUMBER.....

ENUMERATOR'S NAME.....

VILLAGE.....

WARD.....

DISTRICT..... (1MKURANGA)

1. Name of the Respondent.....
2. Sex of the farmer.....
3. What is your highest education? (circle)
  - a. Primary school
  - b. Secondary school
  - c. Quaran
  - d. No education
  - e. Adult education
4. How many members of household currently live within your homestead
  - a. 2 to 5
  - b. 5 to 10
  - c. above 10
5. How long have you been keeping chicken
  - a. 1 to 5 year
  - b. 5 to 10 years
  - c. 10 to 20 years
  - d. Above 20 years
6. Have you attended any chicken keeping training (.....) 1=Yes, 2= No
7. If yes what did you learn.....
8. From which organization.....
9. Do you have extension service in the village.....( )...1= Yes, 2= No
10. Do you have knowledge on improved chicken breed ?.....( )1 = Yes, 2=No
11. Does the village have access to formal or informal credit schemes?.....  
1=Yes, 2= No
12. Do you think chicken can alleviate poverty.....( )... 1= Yes, 2= No
13. Are there farmers' associations or clubs operating in the village?

- a. Yes
- b. No

If yes, please describe.

| Name of association | Date of formation | No. of members |        | Main activities |
|---------------------|-------------------|----------------|--------|-----------------|
|                     |                   | Male           | Female |                 |
|                     |                   |                |        |                 |
|                     |                   |                |        |                 |
|                     |                   |                |        |                 |
|                     |                   |                |        |                 |

14. What are your sources of income? (Please circle)

- i. Cashew
- ii. Cassava
- iii. Chickens
- iv. Mango
- v. Vegetables

12. Can you please indicate your income category per month?

- a. 1,000 to 3000 per month
- b. 5,000 to 10,000 per month
- c. 11 to 20,000 per month
- d. above 21,000 per month

**B: CHICKEN CONTRIBUTION TO THE HOUSEHOLDS (please circle)**

1. How many chickens do you have?
  - e. 1 to 5
  - f. 6 to 10
  - g. 11 to 20
  - h. above 21
2. Do you sell chicken?
  - a. yes
  - b. No
3. if yes how much money do you get from selling chicken per month
  - a. below 3000
  - b. 4000 to 7000
  - c. 8000 to 11000
  - d. 12,000 to 15000
  - e. above 16000
4. What is the price of a hen in the village?
  - a. 1,000 to 2,000
  - b. 2,500 to 3,000
  - c. 3,500 to 5,000
5. What is the price of a cockerel in the village?
  - a. 2000 to 3,000
  - d. 2,500 to 3,000
  - e. 3,500 to 5,000
6. Is the chicken project relevant and effective to alleviate poverty?
  - a. Yes
  - b. No
  - c. I don't know
7. What is the traditional role of women in chicken keeping?
  - a. Feeding chicken
  - b. Giving water to chicken
  - c. Cleaning chicken house
  - d. Building chicken house
  - e. Selling chicken

### C. CONSTRAINTS OF CHICKEN KEEPING

1. What are the major problems of chicken keeping in Kitomondo Village?  
(list three major problems)

- vi. Diseases
- vii. Source of improved chicken
- viii. Predators
- ix. Lack of market
- x. Lack of feed supplement
- xi. Lack of knowledge
- xii. Low chicken price
- xiii. Thieves

2. What strategies are in place to combat these problems

- a. ....
- b. ....
- c. ....
- d. ....

3. What can be done to improve the situation?

- 1. ....
- 2. ....
- 3. ....

### D. CHICKEN OWNERSHIP PATTERN AND MANAGEMENT AT HOUSEHOLD LEVEL

1. Who owns the chickens in the household? (Please circle the right response)

- a. Adult male (>18 years)
- b. Adult female (>18 years)
- c. Boys (<18 years)
- d. Girls (<18 years)

## 2. What are the uses and functions of chicken and chicken products?

| Produce   | Function | Priority | Household member with access | Household member with control |
|-----------|----------|----------|------------------------------|-------------------------------|
| Eggs      |          |          |                              |                               |
| Home food |          |          |                              |                               |
| Sell      |          |          |                              |                               |
| Gift      |          |          |                              |                               |
| Other     |          |          |                              |                               |
| Chickens  |          |          |                              |                               |
| Home food |          |          |                              |                               |
| Sell      |          |          |                              |                               |
| Gift      |          |          |                              |                               |
| Other     |          |          |                              |                               |

## 3. Do you supplement your scavenging chicken with other feedstuff?

1= yes

2= No

## 4. How do you use the chicken manure? (Please circle the response)

- a. Applying manure in vegetable fields
- b. Selling
- c. Giving to neighbor
- d. Nothing

## 5. Can you please rank the functions of chicken in the village?

- a. Source of food
- b. Source of income
- c. Social functions (ceremonies, gifts, rituals)

## E. INTRAHOUSEHOLD DYNAMICS

1. Please tick the appropriate response in the box

|                             | Women | Men | Children | Family |
|-----------------------------|-------|-----|----------|--------|
| Ownership                   |       |     |          |        |
| <b>Labour profile</b>       |       |     |          |        |
| Shelter construction        |       |     |          |        |
| Cleaning chicken house      |       |     |          |        |
| Supplementary feeding       |       |     |          |        |
| Providing water             |       |     |          |        |
| Selling chicken             |       |     |          |        |
| Selling eggs                |       |     |          |        |
| <b>Treatment</b>            |       |     |          |        |
| Decision making             |       |     |          |        |
| Selling eggs                |       |     |          |        |
| Selling chicken             |       |     |          |        |
| Home consumption of eggs    |       |     |          |        |
| Home consumption of chicken |       |     |          |        |
| Purchase of drugs           |       |     |          |        |

## HEN PRODUCTION DATA ON THE BASIS OF HEN HISTORY

[illegible]

## POTENTIAL MARKET CHANNEL QUESTIONNAIRE

1. Where do you sell chicken? (Circle the applicable response)
  - a. in the same village
  - b. in neighboring villages
  - c. in nearest shopping center
  - a. in town
  
2. Who is responsible in making decision on whether to sale chicken or not
  1. Men
  2. Women
  3. Boys
  4. Girls
  5. Family
  
3. Who are your main customers?
  1. Village traders
  2. Intervillage traders
  3. Neighbours
  
4. During which month do the price of chicken is higher
  4. December to March
  5. March to May
  6. May to July
  7. July to September
  8. September to November
  
5. Did you encounter any difficulties in finding the market for your chicken?
  - b. No
  - c. Yes
  
6. Apart from the village where do you think you can sell your chicken to?
  - a. District market
  - b. Urban Markets
  - c. Kiosk/restaurants
  
7. Do you normally sell eggs?
  - a. yes
  - b. No
  
8. Who has the last say in chicken price?

- a. Seller
- b. Buyer
- c. Seller and buyer compromise

Do you have any comment/suggestions?

.....

.....

.....

Thanks for your collaboration

### **CHECKLIST FOR FOCUS GROUP DISCUSSION**

1. WHAT ARE THE MAJOR NEEDS IN THE COMMUNITY
2. WHAT CAN BE DONE TO ALLEVIATE NEEDS
3. WHAT ORGANIZATION EXIST IN THE VILLAGE
4. CAN YOU RANK THE NEEDS
- 5.. WHAT ARE THE MAIN INCOME SOURCES IN THE VILLAGE
6. WHAT IS THE CONTRIBUTION OF EACH SOURCES
7. WHAT IS TYOUR ROLE AS AN EXTENSION OFFICER
8. WHAT DO YOU NORMALY DO TO OVERCOME THE PROBLEM
9. DO YOU THINK CHICKEN PROJECT IS RELEVANT TO YOUR VII
10. WHAT OTHER LIVESTOCK DO FARMERS KEEP
11. WHERE DO YOU NOMARLY SELL YOUR CHICKEN
12. IS THERE ANY PROBLEM IN MARKETING CHICKEN
13. HOW DO YOU DIVIDE YOUR ROLE IN CHICKEN REARING
- 14.HOW IS THE MARKETING SYSTEM OF CHICKEN
- WHAT DOES IT COST TO START CHICKEN ENTREPRISE
5. WHAT STRATEGIES THE LOCAL GOVERNMENT HAVE TO ENSURE
- COMMUNITY INITIATATED PROJECT ARE SUSTAINABLE

## Appendix 10: Statistical Analysis

### Frequencies

#### Statistics

|                |         | age of respondents | education level of respondent | Chicken can alleviate poverty | training received efficient | how is the project cost effective |
|----------------|---------|--------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------------|
| N              | Valid   | 20                 | 20                            | 20                            | 20                          | 20                                |
|                | Missing | 0                  | 0                             | 0                             | 0                           | 0                                 |
| Mean           |         | 44.60              | 1.90                          | 1.20                          | 1.15                        | 1.40                              |
| Median         |         | 44.50              | 2.00                          | 1.00                          | 1.00                        | 1.00                              |
| Std. Deviation |         | 4.03               | .91                           | .52                           | .49                         | .60                               |
| Percentiles    | 25      | 42.00              | 1.00                          | 1.00                          | 1.00                        | 1.00                              |
|                | 50      | 44.50              | 2.00                          | 1.00                          | 1.00                        | 1.00                              |
|                | 75      | 46.00              | 3.00                          | 1.00                          | 1.00                        | 2.00                              |

#### age of respondents

|       |    | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----|-----------|---------|---------------|--------------------|
| Valid | 39 | 1         | 5.0     | 5.0           | 5.0                |
|       | 40 | 2         | 10.0    | 10.0          | 15.0               |
|       | 41 | 1         | 5.0     | 5.0           | 20.0               |
|       | 42 | 3         | 15.0    | 15.0          | 35.0               |
|       | 43 | 1         | 5.0     | 5.0           | 40.0               |
|       | 44 | 2         | 10.0    | 10.0          | 50.0               |
|       | 45 | 4         | 20.0    | 20.0          | 70.0               |
|       | 46 | 2         | 10.0    | 10.0          | 80.0               |
|       | 47 | 1         | 5.0     | 5.0           | 85.0               |
|       | 50 | 2         | 10.0    | 10.0          | 95.0               |
|       | 56 | 1         | 5.0     | 5.0           | 100.0              |
| Total |    | 20        | 100.0   | 100.0         |                    |

#### education level of respondent

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | no education      | 9         | 45.0    | 45.0          | 45.0               |
|       | adult education   | 4         | 20.0    | 20.0          | 65.0               |
|       | primary education | 7         | 35.0    | 35.0          | 100.0              |
|       | Total             | 20        | 100.0   | 100.0         |                    |

**Chicken can alleviate poverty**

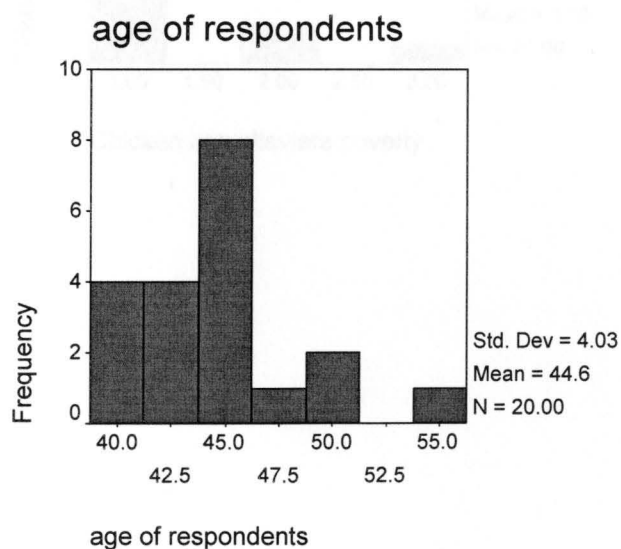
|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 17        | 85.0    | 85.0          | 85.0               |
| no        | 2         | 10.0    | 10.0          | 95.0               |
| not sure  | 1         | 5.0     | 5.0           | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

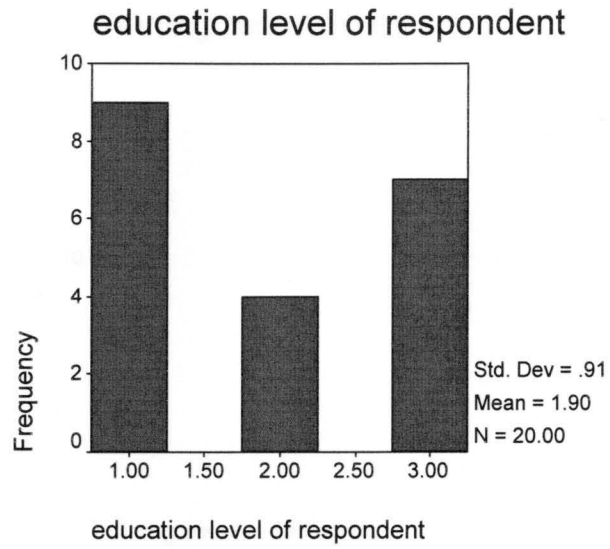
**training received efficient**

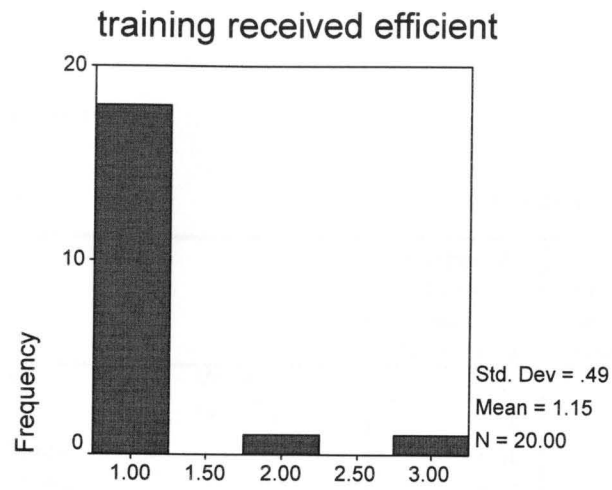
|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 18        | 90.0    | 90.0          | 90.0               |
| no        | 1         | 5.0     | 5.0           | 95.0               |
| not sure  | 1         | 5.0     | 5.0           | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

**how is the project cost effective**

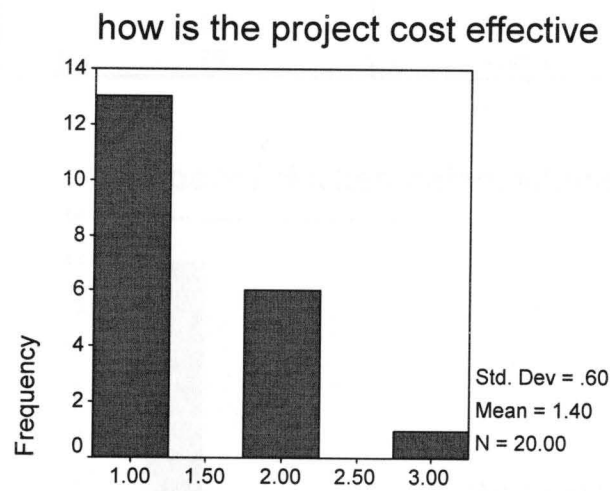
|                         | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------------------------|-----------|---------|---------------|--------------------|
| Valid free training     | 13        | 65.0    | 65.0          | 65.0               |
| course content valuable | 6         | 30.0    | 30.0          | 95.0               |
| training accessible     | 1         | 5.0     | 5.0           | 100.0              |
| Total                   | 20        | 100.0   | 100.0         |                    |

**Histogram**





training received efficient

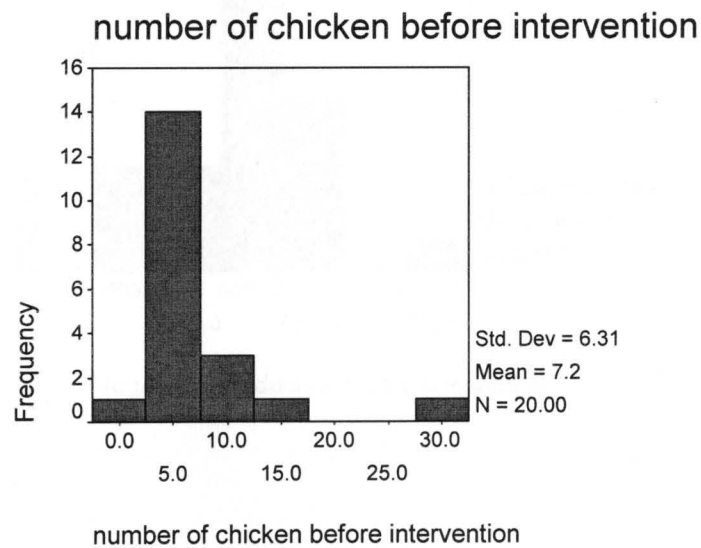


how is the project cost effective

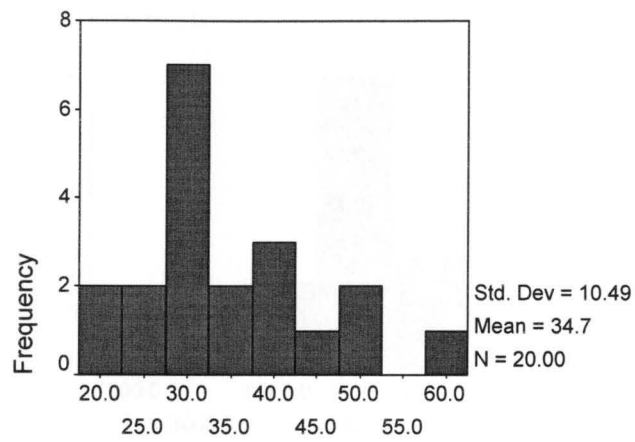
## Frequencies

### Statistics

|                |         | number of<br>chicken<br>before<br>intervention | number of<br>chicken after<br>intervention | Vegetable<br>production<br>before<br>intervention | Vegetable<br>production<br>after<br>intervention |
|----------------|---------|--|--|---|--|
| N              | Valid   | 20   | 20   | 20  | 20   |
|                | Missing | 0  | 0  | 0   | 0  |
| Mean           |         | 7.20   | 34.70                                      | 4745.00   | 9585.00  |
| Median         |         | 5.00   | 31.00                                      | 5000.00   | 10000.00   |
| Std. Deviation |         | 6.31   | 10.49                                      | 1238.62   | 1238.54  |
| Percentiles    | 25      | 4.25   | 30.00                                      | 4000.00   | 9000.00  |
|                | 50      | 5.00   | 31.00                                      | 5000.00   | 10000.00   |
|                | 75      | 8.50   | 40.00                                      | 5500.00   | 10000.00   |

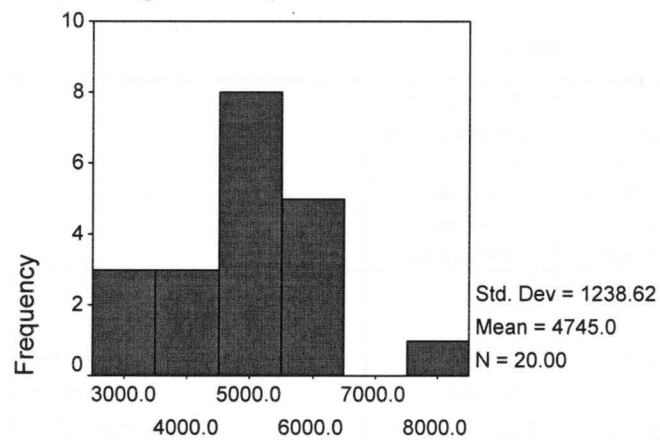


number of chicken after intervention

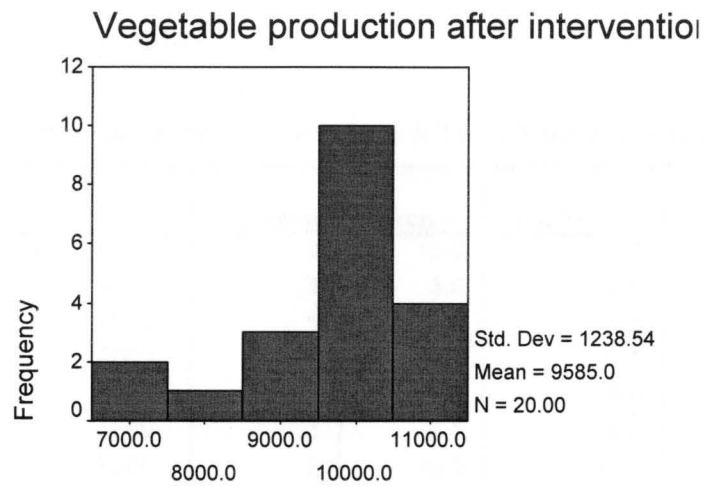


number of chicken after intervention

Vegetable production before intervent



Vegetable production before intervention



Vegetable production after intervention

### Frequencies

### Statistics

|                |         | Respondents<br>mean income<br>from sell of<br>chicken<br>before<br>intervention | Respondent<br>income from<br>sell of chicken<br>after<br>intervention | number of<br>chicken sold<br>before<br>intervention | number of<br>chicken sold<br>after<br>intervention |
|----------------|---------|---|---|---|--|
| N              | Valid   | 20  | 20  | 20  | 20   |
|                | Missing | 0   | 0   | 0   | 0  |
| Mean           |         | 8200.00   | 60250.00  | 1.50  | 10.15  |
| Median         |         | 6000.00   | 55000.00  | .50   | 10.00  |
| Std. Deviation |         | 7802.50   | 23977.79  | 2.52  | 3.60   |
| Percentiles    | 25      | 2250.00   | 41250.00  | .00   | 7.25   |
|                | 50      | 6000.00   | 55000.00  | .50   | 10.00  |
|                | 75      | 12000.00  | 80000.00  | 2.00  | 12.00  |

## Frequency Table

### Respondents mean income from sell of chicken before intervention

|         | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|-----------|---------|---------------|--------------------|
| Valid 0 | 3         | 15.0    | 15.0          | 15.0               |
| 1500    | 1         | 5.0     | 5.0           | 20.0               |
| 2000    | 1         | 5.0     | 5.0           | 25.0               |
| 3000    | 2         | 10.0    |               | 35.0               |
| 4000    | 1         | 5.0     |               | 40.0               |
| 5000    | 1         | 5.0     |               | 45.0               |
| 6000    | 2         | 10.0    | 10.0          | 55.0               |
| 7500    | 1         | 5.0     | 5.0           | 60.0               |
| 8000    | 1         | 5.0     | 5.0           | 65.0               |
| 9000    | 1         | 5.0     | 5.0           | 70.0               |
| 12000   | 2         | 10.0    | 10.0          | 80.0               |
| 15000   | 1         | 5.0     | 5.0           | 85.0               |
| 20000   | 1         | 5.0     | 5.0           | 90.0               |
| 25000   | 2         | 10.0    | 10.0          | 100.0              |
| Total   | 20        | 100.0   | 100.0         |                    |

### Respondent income from sell of chicken after intervention

|             | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------------|-----------|---------|---------------|--------------------|
| Valid 30000 | 2         | 10.0    | 10.0          | 10.0               |
| 35000       | 1         | 5.0     | 5.0           | 15.0               |
| 40000       | 2         | 10.0    | 10.0          | 25.0               |
| 45000       | 3         | 15.0    | 15.0          | 40.0               |
| 50000       | 2         | 10.0    | 10.0          | 50.0               |
| 60000       | 3         | 15.0    | 15.0          | 65.0               |
| 75000       | 1         | 5.0     | 5.0           | 70.0               |
| 80000       | 3         | 15.0    | 15.0          | 85.0               |
| 90000       | 2         | 10.0    | 10.0          | 95.0               |
| 120000      | 1         | 5.0     | 5.0           | 100.0              |
| Total       | 20        | 100.0   | 100.0         |                    |

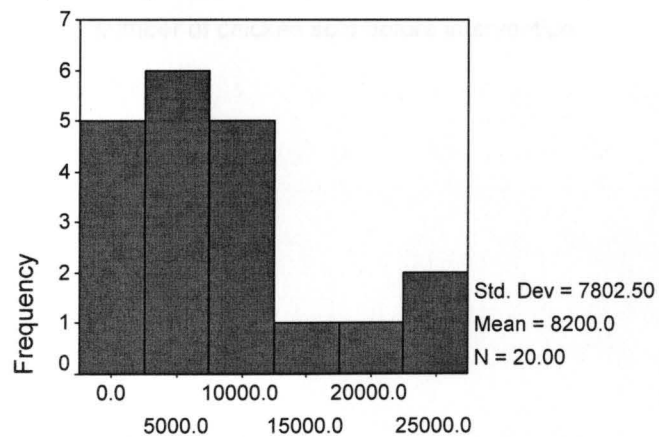
number of chicken sold before intervention

|         | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|-----------|---------|---------------|--------------------|
| Valid 0 | 10        | 50.0    | 50.0          | 50.0               |
| 1       | 4         | 20.0    | 20.0          | 70.0               |
| 2       | 2         | 10.0    | 10.0          | 80.0               |
| 3       | 2         | 10.0    | 10.0          | 90.0               |
| 6       | 1         | 5.0     | 5.0           | 95.0               |
| 10      | 1         | 5.0     | 5.0           | 100.0              |
| Total   | 20        | 100.0   | 100.0         |                    |

number of chicken sold after intervention

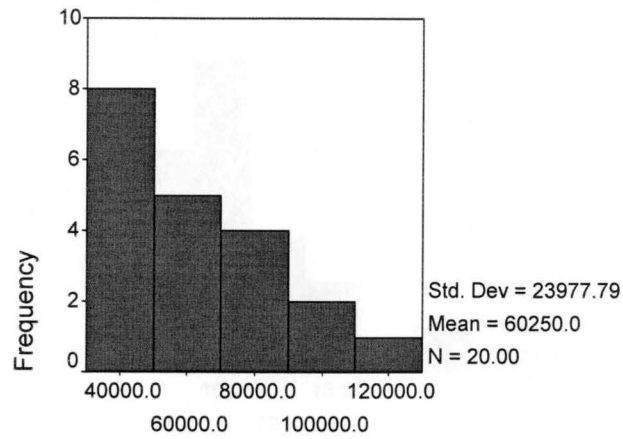
|         | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|-----------|---------|---------------|--------------------|
| Valid 5 | 2         | 10.0    | 10.0          | 10.0               |
| 7       | 3         | 15.0    | 15.0          | 25.0               |
| 8       | 2         | 10.0    | 10.0          | 35.0               |
| 9       | 2         | 10.0    | 10.0          | 45.0               |
| 10      | 3         | 15.0    | 15.0          | 60.0               |
| 11      | 2         | 10.0    | 10.0          | 70.0               |
| 12      | 2         | 10.0    | 10.0          | 80.0               |
| 13      | 1         | 5.0     | 5.0           | 85.0               |
| 14      | 1         | 5.0     | 5.0           | 90.0               |
| 15      | 1         | 5.0     | 5.0           | 95.0               |
| 20      | 1         | 5.0     | 5.0           | 100.0              |
| Total   | 20        | 100.0   | 100.0         |                    |

Respondents mean income from sell o



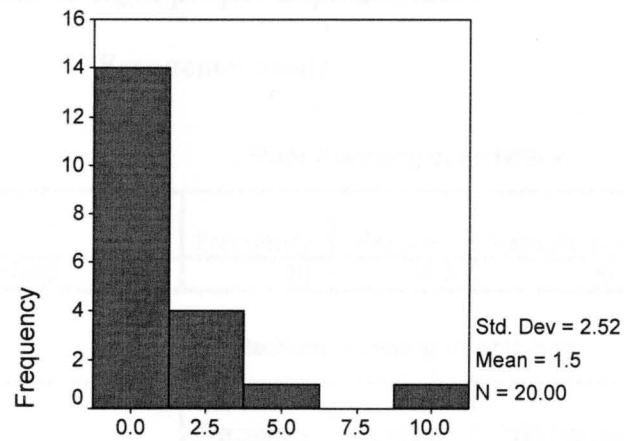
Respondents mean income from sell of chicken before

## Respondent income from sell of c



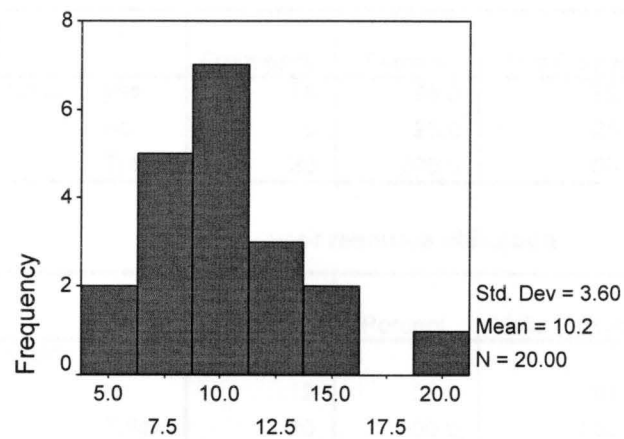
## Respondent income from sell of chicken after ini

## number of chicken sold before interve



## number of chicken sold before intervention

number of chicken sold after intervention



number of chicken sold after intervention

### Monitoring of project implementation

#### Frequency Table

##### Poor Planning of activities

|          | Frequency | Percent | Valid Percent | Cumulative Percent |
|----------|-----------|---------|---------------|--------------------|
| Valid no | 20        | 100.0   | 100.0         | 100.0              |

##### Medium planning of activities

|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 2         | 10.0    | 10.0          | 10.0               |
| no        | 18        | 90.0    | 90.0          | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

##### Good planning of activities

|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 4         | 20.0    | 20.0          | 20.0               |
| no        | 16        | 80.0    | 80.0          | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

**Very good planning of activities**

|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 15        | 75.0    | 75.0          | 75.0               |
| no        | 5         | 25.0    | 25.0          | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

**poor resource utilization**

|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 1         | 5.0     | 5.0           | 5.0                |
| no        | 19        | 95.0    | 95.0          | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

**medium resource utilization**

|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 2         | 10.0    | 10.0          | 10.0               |
| no        | 18        | 90.0    | 90.0          | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

**Good resource utilization**

|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 5         | 25.0    | 25.0          | 25.0               |
| no        | 15        | 75.0    | 75.0          | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

**Very good resource utilization**

|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 12        | 60.0    | 60.0          | 60.0               |
| no        | 8         | 40.0    | 40.0          | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

**Poor assessment of activities**

|          | Frequency | Percent | Valid Percent | Cumulative Percent |
|----------|-----------|---------|---------------|--------------------|
| Valid no | 20        | 100.0   | 100.0         | 100.0              |

**Medium assessment of activities**

|          | Frequency | Percent | Valid Percent | Cumulative Percent |
|----------|-----------|---------|---------------|--------------------|
| Valid no | 20        | 100.0   | 100.0         | 100.0              |

**Good assessment of activities**

|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 3         | 15.0    | 15.0          | 15.0               |
| no        | 17        | 85.0    | 85.0          | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

**Very good assessment of activities**

|           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-----------|-----------|---------|---------------|--------------------|
| Valid yes | 17        | 85.0    | 85.0          | 85.0               |
| no        | 3         | 15.0    | 15.0          | 100.0              |
| Total     | 20        | 100.0   | 100.0         |                    |

**Appendix 11: PowerPoint Presentation**

## **INTEGRATION OF CHICKEN KEEPING IN ORGANIC VEGETABLE PROJECT , KITOMONDO VILLAGE**

**Chalamila, Betty**

**Date:09/01/2007**

### **Host organization**

- Mshikamano Women Community Based organization Kitomondo
- Location: Mkuranga District
- Goal: To contribute to poverty alleviation through training and practice on the diversification of income generating activities.

### **Problem statement**

- Low household income
- Women are more vulnerable to income poverty than men
- Causes: low crop yield and lack of diversification of income sources
- Effect: food insecurity, high illiteracy and diseases

### **Research Objectives**

- General objective:  
  
To facilitate the development of a sustainable chicken integration production system in Mkuranga district.

### **Research questions**

- What is the contribution of chicken into household's income ?
- Is the chicken project relevant and effective to alleviate poverty?
- What are the potential markets for chicken in Mkuranga districts?
- What are the strength, weakness, opportunities and threat of the organization?

### **Research Methodology**

- The survey design was descriptive
- Sample size: 35 respondents
- Sampling Technique: random and purposive sampling

### Research Methodology cont.

#### ■ Data collection tools:

Questionnaire, interview, observation, focus group discussion and review of documents

#### ■ Data analysis tools: SPSS and excel program

### Research findings

- On average, each interviewed household had a flock size of 6 chickens.
- 100% (20) have not been trained on chicken production and marketing techniques.
- Current income from chicken sell ranges between Tsh 5,000 to Tsh 8200 per year.
- Respondent's sale between 2 to 3 chickens per year

### Research findings

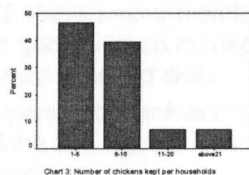


Chart 2: Number of chickens kept per households

### Research findings cont.

#### Constraints:

- Predation 35% ,
- diseases 30%,
- lack of knowledge 20% and lack of capital 15%

### Research findings

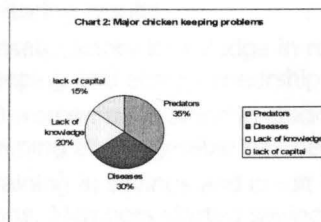


Chart 2: Major chicken keeping problems

### Chicken keeping HH labour profile

| Activity               | % Involved in the |        |     |      |                 |
|------------------------|-------------------|--------|-----|------|-----------------|
|                        | Male              | Female | Boy | Girl | Whole household |
| Feeding                | 5                 | 80     | 3   | 6    | 6               |
| Providing water        | 3                 | 70     | 7   | 10   | 10              |
| Treating               | 56                | 20     | 15  | 4    | 5               |
| Shelter construction   | 65                | 15     | 12  | 2    | 6               |
| Cleaning chicken house | 17                | 46     | 16  | 15   | 6               |
| Sell of chicken /eggs  | 29                | 37     | 13  | 11   | 10              |

### Research findings cont

- Prices of the chickens: Ranges between 2,500 to 3,000 for a hen
- Cockerel price: Tsh 4,500 to 5,000
- There is no clear defined marketing system.
- Local chicken fetch premium price in DSM when compared to improved breeds .

### Recommendations

- Training and sensitization of the importance of good chicken house to reduce predation rate
- Training farmers on improved chicken management system.
- Women should be sensitized and trained on savings and credit.

### Implementation

- 20 Mshikamano members were trained in good chicken management system and marketing skills
- Opening of bank account has been done and started local savings and credit.
- M&E system in place and done

### Project Monitoring

- Objective: To assess project progress
- Team: CED student, leaders, extension officer, CBO members
- Tools: farmer's record, observation during training and group meeting.
- Time frame: Monthly
- Activities monitored: Registration, how effective the training is, number of people trained, record keeping, amount of money received.

### Project monitoring cont.

Monitoring results;

- Unsatisfactory knowledge in record keeping and entrepreneurship skills
- 30 women are trained in chicken keeping and vegetable has been done
- Training in savings and credit has been done. Members started saving.

### Project Evaluation

- Assess achievement of objectives
- Tools: interviews, field visit and review of members record books.
- Team: CED student, 2 leaders, 20 members of the CBO.
- Achievement: Increase in vegetable income and number of chicken kept.

## Project sustainability

- Community initiatives
- The community through knowledge and skills acquired shall be able to carry on the project.
- The project is in line with the priorities of the department of livestock in Mkuranga district.

## Conclusion

- Integration of chicken into organic vegetable project is the first step to empower women economically.
- Cost benefit analysis gave positive results.
- Predators and diseases are a major challenge. However, with training the project can contribute to poverty alleviation.

## IMPLICATION

- Results showed that there is a potential of increasing farmers income through chicken keeping if proper training is given to farmers.
- Cost benefit analysis done shows the possibility of increasing income from Tsh 60,000 to 100,000 tsh per year for start.



THANKS