Training report on ORIENTATION CUM TOT COURSE for FFS Organizers



November 02-14, 2013 Venue: Horticulture Centre, Khulna



1. 1 Introduction

For ensuring Food security and Agricultural development through Blue Gold project, farmers field school (FFS) using the tested DANIDA approach will be organized and introduced. Improvements in farming methods, productivity increases, improved quality and introduction of new technology will require assistance from local government institutions such as DAE, DoF, DLS and NGOs and private sector service providers operating in the locality. An important task will be to train these organizations as well as the farmers using FFS as the training strategy. Blue Gold will put a lot of effort in training new FFS facilitators and where needed provide refresher training for existing facilitators. Quality control of the training of facilitators and the implementation of FFS will be a joint responsibility of DAE and Blue Gold TA staff.

Training is pre-requisite for FFS facilitator and farmers to increasing farm level production in a skilled way. For FFS it is essential to train FFS facilitators by giving hands-on-training on different technologies and facilitation technique. Training and capacity building through participatory and experiential learning will help FFS facilitator to give their service effectively.

1.2 Objective of the training;

- To familiarize FFS facilitators with blue gold activities
- To increase capacity of FFS facilitator following participatory approach
- To provide technical information on different modules like Homestead, Poultry and nutrition.

1.3. Activities performed during ToT

A 13 days schedule was followed for the orientation cum training course. Day wise activities are show below.

Day-1

A. Inaugural

The programme was started with informal activities. No formal inaugural session was organized for starting of the training. First all the participants registered their name. Registration format was filled-up by individual participants. Component C3 staffs helped the participants to do it.

Then participants attended a pre-test. A formal question set was used for pre-test. All Participants spend forty five minutes for test.

After that participants introduction was done by a game. Mr. Kahsem conducted this session. First a piece of paper supplied to every participants with an identification mark to search for his/her pair. Every piece of paper was on a training norm. Pairs spend five minutes to know about each other. After that each pair introduce themselves which is covered their address, marital status, family information and hobby. Four groups were formed among the participants fro whole training period.

After tea break Mr. Hein, team leader, component 3 welcome all participants to TOT. He gave a general view on Blue Gold programme. He started with "Blue Gold" that is what the words stand for. The session was interactive. Participants shared their views on meaning of blue gold. He explained the blue is the color of water and the word gold is worthy. The project name is Blue Gold as its main objective is to manage the water as a valuable input for food security and agricultural development.



He explained blue gold project will implemented by a team work. There are five components with this project. Then the facilitator focused on blue gold activities with different components.

Component-1: **Community Mobilization and Institutional Strengthening**: Water Management Group will be the basic point to start work on FFS. FFS participants will be selected from WMG.

Component-2: Water Resources Management Infrastructure development will help to manage water properly which will help increase agricultural production .

Component -4: Business Development. The component is work on value chain development that is from input supply to marketing. FFS participants will be benefitted by getting information on good input supply source and the best marketing places.

Component 5: Cross Cutting Issues, that is gender, good governance, environment, disaster management and training. Component 3 will be gender focused. He said it started with FFS organizer recruitment. 50% FFS organizers are women. FFS beneficiaries selection will be demand based and gender focused.

Component-3: Food Security and Agricultural Production the main objective of this component is to help our target farmer to increase their production.

Training: Objective of the training for FFS participants to increase their production through training. **FFS School:** FFS School will start with four modules. Introductory, Poultry, Homestead Garden and Nutrition. Need based new module will be started from 2014. After discussion, it was found that among 22 FFS organizer, all participants attended training on homestead and Nutrition module before. Only 13 participants attended training on poultry module. Facilitator opined that during this two weeks nutrition group can help poultry group and poultry group can help nutrition and vegetables group to help increase their knowledge who were not attended those training before.

Finally he hope that after attending the TOT participants will able to understand whole modules and component 3 will start it field work with full strength.

After that the main activities of the orientation cum ToT were started.

B. Logistic information by Mr. Mizanur Rahman (Horticulturist from Daulatpur Horticulture Center)

Mr. Mizan shared the logistic support with this venue and welcome all participants in that venue. He shared his experience on FMA at hill tract and offered the best services with his venue. The other persons Abdullah Sani, Shamsul Huda and Khariul from Blue Gold programme was responsible for logistic support.

C. Components presentation

Component 1: Facilitator: Mr. Jasim Uddin, Methods: Interactive

Facilitator explained the importance of community mobilization and group formation. The objective of formation of Water Management Group (WMG) is to organize village people for proper management of water in a planned way. Two types of groups active at different polders. One at village level named WMG and another at central level at named WMA. The committee is registered by cooperative society. 33% female are included with water management group. A total of 109 groups are active at different polders.

Relation with C1 &C3: FFS members will be selected from WMG.

Component 2 : Facilitator: Mr. Aziz, Methods: Interactive



Facilitator explained about water resource management component. C2 started with 9 old polders. 17 new polders will be selected for infrastructure development. Already two new polders are selected and assessment is started for infrastructure development. He explained that three types of management requirement for infrastructure management, those are routine (done by community organization), periodic (done by Bangladesh Water development board), emergency (done by Community organization/water development board. Four kinds of work will be done for infrastructure development. Those are sluice gate (at large scale), outlet (for drainage), inlet (for water supply), embankment (for flood control), Khal (for irrigation water supply) and culvert (for maintain water flow).

Relation with C2 & C3: Developed infrastructure and water supply will help farmers to use water for crop production.

Component 4: Facilitator: Susanto Roy, Methods: Interactive

Facilitator explained about the value chain and how our producer group can benefit by this component. Show different market actors and the influential agent's active in value chain.

Relation with C2 & C3: Farm producer can get information on different input supply, and marketing outlet.

D. Participants Expectation

Facilitator: Anayet, Sumona, Shamim, Abdullah Sani, Methods: Interactive, participatory Session started with group dynamics (one participant small performance). After that all participants put their expectation in a VIPP Card. The expectations are on three contents. Those are basic information on FFS, technical information on Homestead garden, poultry and nutrition and personal skill development as a facilitator. All cards put in one place and every participant has seen their expectation at a glance.

E. Overview on course contents

Facilitator: Dr. Munir, Methods: Interactive (story telling), participatory

Facilitator started his journey with all participants by a train. Through his journey he explained about the course contents and finally reached with them in expectation stations.

F. Role and responsibilities of FFS Organizers

Facilitator: Ashraf, Hein, Methods: Interactive, Group work, participatory

Facilitator started to know about the existing knowledge on FFS rules by participants. It was a group work. Four groups worked on it. After group discussion all groups presented their output. After that similar output dropped from other groups and new output are included with this list. After the presentation facilitator included some points on FFS rules;

- All activities will be conducted for FFS implementation
- Coordination with DAE staffs
- Coordination with DLS, DoF
- Help develop WMG village plan
- Prepare Activity plan for every month
- Extension of Good cultivation practice outside blue gold farmers among FFS members

New dimension on FO rules explained by Hein;

• The blue gold project FFS will be worked with WMG and WMA. So FO will start work with CO for FFS member selection.



- Horizontal learning that is the FFS training information will be shared with other WMG/WMA members
- Market orientation with FFS members

He stated that everything will not be done overnight. But day by day the project will find out the proper steps and work on it.

Day-2

A. Re-cape

Facilitator: Md, Rasel & S.Nahar, Methods: Interactive and participatory

Recap started with ice braking. All participants participated this session. By question and answer every participant shared one topic which one is supplemented by another. After that facilitators supplemented information where needed.

B. Adult learning and learning methods, Community development Facilitator: Khairul & Kashem, Methods: Role play, interactive, group work

The session started with role play by Khairul. He started his session as a bad facilitator and behaving like an angry man. Participants tried to cooperate with him in a positive way as per as they can. After some time they realize that he was playing role of a bad facilitator.

The participants able to identify that

- The facilitator not respect their opinion
- He behaved like a learned person
- Refusing every bodies response
- Could not explain the question clearly to the participants

Facilitator started to know about the existing knowledge on adult learning by participants.

Participant point out on adult learning;

- Adult Has experiences
- can understand good or bad
- Aware about their status

After that he facilitator focused on the basic principle of adult learning and learning principle. He also related this session with FFS.

A. Social mobilization, Effective Facilitation and its technique

Facilitator: Khairul & Kashem, Methods: Group discussion, interactive, and question, answer competition

In that session facilitator provided some information on social mobilization and gave it as a group discussion. After discussion every group prepared 07 questions and asked to another group members. From each group they got some point from answering question from another group and finally two groups won together. By this the participants learned on how they will learn about the farming community, build relation with them, select FFS members, monitoring and evaluation of their activities.

Facilitator started with basic information on facilitation technique. Basic differences on lecture, presentation and facilitation technique. Then four groups worked on facilitation and facilitation technique. Every group presented their output. Participants gave their opinion how they will use this facilitation technique with farmers field school.



B. Learning environment of FFS and How to manage problematic participant Facilitator: Munir & Kashem, Methods: Group discussion, Interactive,

Munir asked a open question on FFS school learning environment to the participants.

The output come from the discussion are shown below;

- School place should in a quiet place
- It should near by a demo farm. That is the Home garden module session could be take place in a home garden site.
- U-shape sitting arrangement
- Opportunity to use training materials
- Local materials for sitting

Mr. Kahsem discussed on how to handle the problematic FFS member. All participants individually show their attitude to manage those people. They mentioned that they will follow the rules like respect the FFS member, hear from them, let them to talk, stop them in a proper manner and finally talked with them after the session.

Day-3

A. Re-cape

House team Leader: Basar & Rahima, Methods: Interactive and participatory

Recap started with ice braking. All participants divided into two groups named Blue and Gold. One question went to blue group and another question went to gold group. It was a competitive session and all participants nicely reviewed their learning.

B. What is FFS and Farmer selection criteria for FFS

Facilitator: Ashraf, Methods: Interactive, Group discussion, Multimedia presentation

The session started with group dynamics. After a short discussion 4 groups worked on two issues. What is farmers field school and its principle After group discussion Mr Asharf gave short definition on FFS. He mentioned that it is an experiential learning circle. And the main objective of this school is to improve farmers existing farming system through proper management of their resources on homestead, livestock and fisheries. The principle of this school is to increase agricultural production and ensure food security and the component of this FFs are;

Farmer

Field

Facilitator

Subject

Blue gold FFS will be focused on visibility and trial. Learn from experiment and innovate new things. It is experienced based and will run by skilled facilitator.

After discussion with participation there are some question on farmers selection for FFS

Big farmers will be selected or not?

Rental farmers will be selected or not?

Outside WMG farmers will be selected or not?

Then the facilitator explained the FFS farmers selection criteria;

C. Real farmer



- D. Have some resources like HG, Poultry etc.
- E. Enthuastic
- F. 18-55 years old (have capacity to work)
- G. All Member from WMG (Need based)
- H. Preferred women (50%)
- I. Married women
- J. Two person from each family
- K. In case of commercial cultivation and entrepreneurship development big farmers should be included
- L. FFS member will be selected depending on module

C. Food and classification of food on the basis of function

Facilitator: Ashraf, Shamim, Methods: Interactive, group discussion, Practical

It was interactive discussion on what is food, function of food and its classification. After discussion different kind of food, vegetables and fruits displayed to the participants and gave a task to divide the food according their function. Participants tried hard to classify and finally they did it.

They found it as an effective learning methods that will help to conduct the nutrition session with farmers Field school. Some posters shown to the participants on nutrient deficiency diseases. Participant emphasis on the shown picture for FFS.

D. Children, adolescence girl, pregnant and lactating mothers food, nutrition

Facilitator: Munir, Methods: Interactive, group discussion

Facilitator discussed on different kind food, why it is important for different age groups, pregnant and lactating mother. All participants shared their views on those issues. He also focused why this subject is important for FFS. After this interactive session four groups worked on this topic and they are able to classified food for different age groups and their necessity. Facilitator said it will be very useful for FFS to display real life and locally available input to the participants.

Day-4

A. Recap

Facilitator: House Team Leaders, **Methods: Interactive and participatory** Recap started with ice braking and follow the same role as it done before.

B. What is Gender? Role of Gender in Blue gold project

Facilitator: Kitty, Methods: Interactive and participatory, group work

The session started with a nice story. The objective of the story was to learn about the participants views on gender. Then a group works done by four groups on men and women role in Bangladesh agriculture. It is found from the group discussion that some work in agriculture done by women and some are men. But some work done by male and female together.

After that the facilitator focused on basic issues on gender;

- Gender is not only men and not only women, but it means men and women both
- Gender role is difference from country to country region to region, group to group
- Gender role is changing day by day. Before may be women are not went to market but now it is happening
- Gender equality means in a society a men and women will work together with equal opportunity and right.



- Girl and boy will get equal opportunity in education
- Men and women will have access to market and bank loan etc.

Why gender equality in BD

Bangladesh Gov has s gender policy for equal opportunity for men and women International policy that on Millennium development goal focused on Gender equality

Gender in Blue gold project

- C1- In WMG executive committee there should be 33 % women, Big farmer and land less farmer will come together
- C2- Women will participate to give opinion on water resource management
- C4- Men and women entrepreneurship development
- C3 FFS school will include women member depending on their needs not on gender. If any women want get training on field crop then she will be included with that group.

C. Health and Primary health care

Facilitator: Shamim and Munir, Methods: Group discussion, Interactive, Practical

Facilitator discussed on health and primary health care. All participants interacted with facilitator as they found it is essential for an individual, then family and society. After an open discussion four group worked on personnel hygiene, family hygiene, water borne diseases, hand wash and its important. Every group attended the open discussion on group discussion. Then a practical session was took place on proper hand wash.

The participants shared how they will aware the FFS members and practice it with FFS session.

D.Fisheries and fisheries resource

Facilitator: Shamsul huda, Methods: Group discussion, Interactive

It was an interactive discussion on present situation of fisheries and fisheries resources in Bangladesh and then the situation at different polders. Four group works on sources of fisheries and its general problems. The purpose of this session is to aware the participants on fish and fisheries resources, its problem and opportunities at polder areas and how Blue Gold can start work with fisheries module with FFS.

D. Session delivery process

Facilitator: Munir, Methods: Group discussion, Interactive

Facilitator discussed with the participant on general principle of session delivery process. After that four groups worked on that issue. A dummy practice session was done by four groups during training session.

The practice session help them to do it with Participants learnt about the session delivery process and relate with FFS session delivery session.

E. Cooking demonstration, preservation and processing

Facilitator: Sumona/Anayet, Methods: Interactive, practical

An interactive discussion was took place on present practices of cooking food in Bangladesh. Then participants discussed on the good and bed practices of cooking. After that demo practical session was took place. A general discussion on food processing and preservation was took place. The general scenario of food preservation and processing. The scope of our FFS member to preserve and process their food with some simple management.



Note: Team leader, Drik smith and deputy team leader, Mr. Alamgir were attended the training. There was an introduction session with team leader and deputy team lead with participants. Team leader spoke on about Blue Gold and welcome all staffs. A photo session was took place with team leaders and all participants and facilitators.

F. Drama on Polder peoples by local drama troupe (Theme Theater)

A drama troupe played a drama named "*Amader polder*" (Our polder) on livelihood of polders people..

A drama on water management by polder people named our polder and a *Korocha* (positive debate on FFS by two singer) performed by a drama troupe named theme theater. All participants enjoyed the performance and got some knowledge on polder people They find it as an effective toll for awareness raising among mass people. It could be use on FFS.

Day-5

A. Re-cape

Facilitator: House Team Leaders, **Methods:** Interactive and participatory Recap started with ice braking and follow the same role as it done before.

B. Production Planning (vegetables and poultry),

Facilitator: Munir, Hein methods: Interactive and group work

Facilitator explained about what is production planning, how to make production plan for FFS member. Facilitator draw a production plan on tomato cultivation and explained about what factor need to be considered to make a plan Then gave group work on how to make a production plan on Bottle gourd, cauliflower, Duck and chicken. After that every group presented their group work. During group discussion Hein supplemented that with FFS practice session it need to respect the participants and increase eagerness. The way could be give the production plan to farmers to keep it with them and call them to bring it in next session. The participants got a practical knowledge how they will do it with FFS.

C. Ballot Box Test (BBT)

Facilitator: Ashraf, methods: Interactive, practical

Facilitator explained about what is Ballot Box test, Why it is important for FFS, Characteristic of BBT, How to use BBT. What will be the language to use BBT.etc. Then a practical session was took place. Participants made a ballot box and participating in casting vote on identifying the vegetables which one is help to reduce night blindness. By practicing it the participant got hand-on knowledge on BBT and its use with FFS.

D. What is FMA? How to conduct FMA for poultry

Facilitator explained about what is FMA, Basic principle of FMA, importance of FMA. After that Participant practiced it with different farm houses at field.

Visited place: Vill: Taligati, Union: Yagipul, Upazila: Digolia, Dist: Khulna.

Facilitator explained the objective of the practice session with visited household and welcome all of them to attend the presentation session.



Four groups visited four farmer houses. They try to collect the information on their poultry rearing and its existing management. The observation focused on housing, feed and disease management of poultry and duck rearing. Than every group did analysis on their visited house and make suggestion for improving the existing management. Every visited farmer attended the presentation session. Then group leaders presented their FMA in front of the farmers. They explained about their findings and made suggestion for improvement. Farmers agreed with their suggestion.

Day-6

A. Re-cape

Facilitator: House Team Leaders, Methods: Interactive and participatory

Recap started with ice braking. All participants divided into two groups and reviewed their learning by answering question.

It was a competitive session and all participants nicely reviewed their learning

B. What is transect walk and community resource mapping through transect walk, What is Community Meeting and How it could be conducted

Facilitator: Munir, Methods: Interactive and participatory, Practical

Facilitator discussed about what is transect walk, objective of transect walk, steps of transect walk and its importance. It was an interactive discussion. Participants shared their views on transect walk. Facilitator discussed on community resource mapping and show participant how to prepare a resource map. A dummy transect walk was done through the resource center by four groups. Then four groups came together, draw a resource map and present it . 13 Community Organizer (CO) attended this session. They shared their experiences on resource mapping with different WMGs.

Facilitator discussed on what is community, what is community meeting, its importance and how it could be conducted. The COS shared their experience on community meeting and how they are doing this. Facilitator explained FO will need to do this task with the coordination of Cos with same working areas.

E. Coordination with FO and CO activities at field level

Facilitator: Asharaf, Methods: Interactive and participatory, Power point presentation

Facilitator showed the common working field of CO and FO. He mentioned that COs started their work before FO. Their main work is to organize and nurture the WMG. The FO will start their work with WMG for FFS school member selection. With an interactive discussion with COs he showed some common issues where Co and Fo need to work together. The issues are shown below;

- Information collection on community and resource mapping
- Information on farmers need
- Information on new production technology
- Need based FFS member selection from WMG
- FFS planning
- Information on other instruction like IPM club.
- Prepare village action plan
- Information on different service providing organization (Vaccinator, DLS, DOF others)



F. Introduction on homestead garden module and Vegetable production technology Facilitator: Quazi Afzal, Methods: Interactive and participatory, Practical

Facilitator focused how facilitator will practice this module with FFS. The steps need to follow fro introducing the module with FFS. The steps should as follows;

- Explain the objective of this module
- Introduction about homestead garden
- Sort out need based contents (Though interactive discussion with FFS members). After that shared some new ideas if any. Facilitator need to prepared a content with interactive discussion with participants show them how they will do it.
- Duration of FFS. The discussion will be interactive and show the time schedule in front of the participants and important of the time line.

Session facilitation need to start with some introductory information. The session could be start with an example like the requirement of vegetables is 400 gm/day/person. But in Bangladesh people are taking 200 gm/day/person

Facilitator discussed on selection of good seed and treatment of good seed. Then he showed the sample of good and bad seed, good and sapling and their selection procedure. Practical on seed treatment by garlic pest.

After shared the basic information on seed bed preparation all participants attended a practical session. Participants treated a seed bed with polythene, sow dust and hey. Facilitator shows them how to prepare green manure and how they will use those technique with FFS.

Day-7

A. Re-cape

Facilitator: House Team Leaders, Methods: Interactive and participatory

Recap started with ice braking. All participants divided into two groups named Blue and Gold and reviewed their learning by answering question.

B. Vegetable production technology

Facilitator: House Quazi Afzal, Methods: Interactive and participatory, Practical

Facilitator discussion on preparation of homestead vegetables production calendar, homestead space planning. He shared basic information on what is calendar and why it is important for vegetables cultivation.

Then he discussed how FO conduct this session with FFS. What local input needed for this session. Then four groups attended a practical session on how to draw a crop calenderer. Participants used coal for line drawing, jute stick, dry coconut leaf for time line for sowing and harvesting. Different vegetables used for indentifying season. Then from this calendar participants identify the lean season, gap between demand and supply and make a vegetable production plan for FFS.

After interactive discussion on space planning for Homestead garden. A dummy space planning was done by participants. Two groups visited the center from two corners. Then they identified the spaces (like sunny, shade, low, wet etc.) Then a make a plan for vegetables cultivation. Facilitator discussed with participants that this is the way they will do it with FFS.



Facilitator: Munir, Methods: Interactive, group work

Facilitator explained about what is problem? How to analysis the problem and prioritize the problem according to demand. A problem was identified on rice cultivation and analyzed as a sample. Then a group worked done by four groups on identification of problems and prioritize the problem.

Note: District fisheries officer, Khulna attended the training. He gave an over view on fisheries and fisheries resources in Khulna division. He also brief on how climate change and natural calamity changes the livelihood of coastal people. The opportunities with fisheries need to explore for improvement of livelihood of coastal people. The facilitator welcome component 3under blue old project hope to work together for betterment of polder people.

Day-8

A. Transect work, polder analysis, resource mapping (field work, Polder-30)

Facilitator: Munir/Asharf/Huda, Anayet, Shamim, Sumona, Cos, community people

Methods: Practical work at Field

Visited place: Fultola, P.O: Batiaghata, Upazila: Batiaghata, Khulna Visited WMA: Fultola Water management Cooperative Society ltd.

Activities: Introduction with WMG executive committee and explained the objective of field visit

Transect walk: Four groups started their transect walk with three WMG members, respective COS and two villagers for resource mapping. After one and half our every group backed to WMAG office and started to draw the whole village map with the help of a villager. After completed the drawing very group presented their findings on transect walk. They also collected information on farmers problem on agriculture and livestock. The map was verified by the community people.

A. Community meeting (field work, Polder-30)

Meeting place: Fultola Temple Premise, Facilitator: Munir, Ashraf, Time: 3.00 pm, Presided by: The president of WMDG, Participants: WMG members

Meeting started with self introduction and objective of the meeting. Facilitator explained briefly on what is FFS, who can be attend and outline on FFS module that is on homestead garden, poultry and nutrition. It is also explained by the facilitator that FFS is knowledge based and it will help the farmers to increase their production by practicing this knowledge. Participant may not be get direct monetary benefit at the beginning but at the end of the day they could find the actual benefit. All participants took part this meeting. At the end of the meeting a primary list on FFS collected by FO. The president of WMG talked on the FFS School and thank the blue gold staffs for selecting their WMDG and adjourned the meeting.



Day-9

A. Re-cape:

Facilitator: House Team Leaders, Methods: Interactive and participatory

Recap started with ice braking. All participants divided into two groups named Blue and Gold reviewed their learning.

B. FMA on vegetables and fruit, trial set up fruit and vegetables

Facilitator: Afzal, Interactive and participatory, practical

Facilitator discussed on vegetables and fruit trial set-up at FFS. Facilitators discussed on the key point on trial setup; These are as follows;

- Problem identification
- Objectives
- Materials collection
- Observation
- Record keeping
- Analysis

Then four groups worked how to analysis the farm house. Analysis the ecological environment of agricultural farm. Facilitator also provided some key point to four groups for observing the farm;

- Place selection at homestead (sunny /shadow place)
- Fertilizer management
- Pest and disease management
- Irrigation/drainage
- Weeding

Then four groups visited four corner of the horticulture center and collected information on vegetables and fruit cultivation and presented it. They observed the present situation and make plan for improvement where necessary. Facilitator emphasized the participant to follow this procedure at FFS.

For trial set up it should be on demand based and to solve the existing problem. It could be

- New variety
- It could be management improvement of fruit
- Could be planned vegetables cultivation
- Could be improvement of vegetables cultivation
- Improved fertilizer management etc.

Practical on how to plant fruit sapling (All FO participated on it)

C. Vegetable insect, pest and disease management

Facilitator: Mritunjoy Roy, methods: Interactive and participatory, practical (live demo)

Facilitator started with the participants existing knowledge of pest and disease management. After that four groups visited four corner of farm, collected some sample, its symptom and reasons. The collected sample on bottle gourd, Kankong, country bean, cauliflower and tomato. They also collected some insect. After that facilitator discussed on common vegetables pest and insect in the project area and their management. He also explained that procedure need to be applied at FFS.

D. Housing management for poultry



Facilitator: Dr. Noor, Interactive and participatory

Facilitator want to learn from the participant about the housing management of poultry and the existing practices. After that he discussed about the improved housing system and how it could be applied with FFS. Facilitator emphasized to improve the current existing system not to impose any expensive and costly management. He provided information on standard housing management of poultry.

Day-10

A. Re-cape

Facilitator: House Team Leaders, Methods: Interactive and participatory

Recap started with ice braking. All participants divided into two groups named Blue and Gold

- One question went to blue group and another question went to gold group
- Recap covered the drama showed
 It was a competitive session and all participants nicely reviewed their learning

B. Problem identification of fruit trees and their general management

Facilitator: Mritunjoy Roy, Interactive and participatory, group work, practical (live demo)

Facilitator identified the common fruit in coastal areas. Then sort out the disease suspected fruit tree. Four groups worked on two fruits and identified their disease and pest related problem. They visited the horticulture center. Collected sample of on pest and diseases affected fruit and leaves. After that on flour each group displayed their collected sample. And circle wise everybody visited each group presentation. Then facilitator discussed on problem those were identified by the participants. After that he discussed on the most common disease and pest suspected fruit in coastal belt. Finally he discussed 06 economic fruit which are suspected by disease are identified.

The fruits name:

- Coconut
- Guava
- Wood apple (Amra)
- Jujubi
- Banana
- Papava

The procedure need to follow with FFS.

C. Laying & Broody hen management

Facilitator: Dr. Munir, Interactive and participatory, practical (Live demo)

Facilitators discussed on the existing laying and broody hen management at farm level. Then discussed on the improve management. It started from egg selection, food management, timing to set chicken for laying , hazel management etc. Facilitator shown the live demo on egg selection, food management, hazal management and egg examination etc. Every participants took part with this practical session.

D. Chicks and pullet rearing and its management

Facilitator: Dr. Noor, Interactive and participatory, practical (Live demo)

Facilitator discussion on chick rearing, their feed management and different poultry feed. He discussed on how to separate chicks from mother and management of chicks. It was an interactive



session. After that a practical session was conducted by the facilitator on feed management and chick rearing. All participants took part this session.

Day-11

A. Re-cape

Facilitator: House Team Leaders, Methods: Interactive and participatory

Recap started with ice braking. All participants divided into two groups named Blue and Gold

• One question went to blue group and another question went to gold group It was a competitive session and all participants nicely reviewed their learning

B. Primary health care for poultry rearing

Facilitator: House Team Leaders, Methods: Interactive and participatory

Facilitator discussion general disease and disease management. The discussed disease on

- New castle (Symptom and management)
- Dysentery (Symptom and management)
- Diarrhoea (Symptom and management)
- De-warming (Symptom and management)
- Pneumonia (Symptom and management)
- Bird flu (Symptom and management)
- Lice management

Facilitator discussed on how this session need to be conduct with FFS.

C. Practical on Hazal preparation

Facilitator: Dr. Munir, and Dr. Noor, Practical: Four Groups

Four groups prepared four hazal with mud. The technique shown by the facilitators.

D. Practical on Food technology (Transplantation of fruit sampling and fertilization)

Facilitator: Mizan Methods: Interactive and practical

Facilitator discussed on the technique of planting fruit sample and fertilization technique of fruit tree. After that three practical sessions, one on fruit sapling plantation technique, mango tree fertilization and coconut tree fertilization was conducted by the facilitator. All participants took part those session.

Day-12

A. Re-cape

Facilitator: House Team Leaders, Methods: Interactive and participatory

Recap started with ice braking. All participants divided into two groups named Blue and Gold

- One question went to blue group and another question went to gold group
- Recap covered the drama showed It was a competitive session and all participants nicely reviewed their learning

B. Homestead garden and goveshpur model

Facilitator: Moshiur/Shamim, Methods: Interactive and participatory, Power point



Facilitators discussed on reviewed the space planning for home garden. Then a power point presentation on goyeshpur model was shown to the participants for space planning. That will help FO to utilize farmers homestead in a planned way where applicable.

The model covered nine places in a home garden. The places are

- High shinny land: Bed-1: Radish-Amaranth-Spinach
 - Bed-2: Cabbage-Egg-plant-red amaranth
 - Bed-3: Tomato-spinach-ladies finger
- Roof: Bottle gourd- white gourd
- Support: Bottle gourd-Pumpkin
- Unproductive tree: Country bean-Yardlong bean/bitter gourd
- Partial shadow- Ginger/turmeric
- Wet land: Arum (Kochi)
- Fence; Bitter gourd-yard-long bean-bitter gourd
- Boundary: Papaya. Guava, lemon
- Fallow land: Green banana, drum stick

C. What is trial? How to set a poultry trial

Facilitator: Dr. Noor, Methods: Interactive

Facilitator focused on the objective of trail on poultry. Participant shared their views on poultry trial. That is the comparison between traditional and improved methods which will help to increase production. Trial should be set to show the result to FFS member practically. Facilitator emphasized on farmers' selection for trial, need based trial set-up, locally available input use for trial, record keeping etc. He showed a demo on record keeping.

Facilitator gave emphasized on the need based selection of for trial, farmers selection record keeping etc. Show a demo record keeping sample of trial.

D. How to draw a chicken and duck, Participatory epidemiology and bio-security of poultry

Facilitator: Munir, Methods: Interactive, practical

It was a practice session. Facilitator shows the technique how to draw a chicken and duck. All participants try to draw. It will help them to conduct FFS session on poultry.

Facilitator discussed what is participatory epidemiology and bio-security. That is the precautionary measurement for saving poultry farm from disease and other external factors, the considering factors for poultry rearing regarding bio-security, planning for disease management. Facilitator shown how to prepare a disease management calendar for poultry rearing with FFS. After that four groups prepared four calendars on common diseases and explained their precautionary measurement.

E. Brief on water management status for different crop

Facilitator: Abdullah Sani, , Methods: Interactive

Facilitator gave an overview on water level status at polder areas for crop production. The existing cropping pattern, salinity, water requirement for different crops etc.

Note: Brief on livestock at Khulna district, Facilitator: District livestock officer

Facilitator gave an over view on poultry, dairy, poultry farm, poultry and cattle rearing by farmers, their feeding etc. He explained the govern activities going on this district. The facilitator welcome component 3 under blue gold project and hope to work together for betterment of polder people.



Day-13

A. Post test

Facilitator: House Team Leader, C3 staffs All participants attended a one hour post test.

B. Farm-yard fertilizer management

Facilitator: Asharf, Methods: Video, interactive discussion

After post evaluation every participant saw an entraining and informative video on farm-yard management. The video shown on importance of farm-yard fertilizer for crop production, farm-yard fertilizer management, its procedure and economic benefit. It showed a success story of a women farmer on farm-yard fertilizer management. After that the facilitator reviewed the information on the pit size, ingredient use for farm-yard fertilizer preparation and its use. He emphasized on the with blue gold FFS trail on farm-yard management need to be set-up

C. Role and Responsibilities of Farmers Field School Organizer for FFS Facilitator: Hein, Munir Interpreter: Ashraf

Facilitators briefed on the functional WMG at different polders. Depending on that 5 pairs will be posted in Khulna and 6 pairs will be posted in Patuakhali. Every pair will be combined of one male and one female. He explained the details work plan for the FO for running FFS.

Then he reflected the details responsibilities of FOs. Day to day they will be supervised by Khulna and Patuakhali regional staffs. On Thursday day weekly coordination meeting will be took place at regional office.

After that Munir show the posting place of FO with polders.

D. Economic analysis on farm

Facilitator: Munir, Methods: Interactive

Facilitator shared on the importance of record keeping on economic activities of a farm. From a discussion participants find out some permanent and variable cost need to consider for economic analysis. Then a dummy economic analysis on poultry and Hg garden was done by participants. Facilitator emphasized the process how it will done with FFS.

E. Training evaluation

Facilitator: C3 staffs

An open ended questionnaire was used for training evaluation. Very participant evaluated individually. The questionnaire covered

- Usefulness of topic discussed with different module
- Facilitator facilitation technique (usefulness/improvement)
- Scope of participation by participants with different session
- Methods/input use by the facilitator
- Logistic support
- Others

The output from participants evaluation;



- Discussed modules they found were useful. For pest management of vegetables and fruit need more discussion.
- All Facilitator facilitation was nice
- Scope of interaction was good
- Practical session was most useful
- Methods/input use by the facilitator was relevant
- Day schedule need to be organize module wise. Different module session in between sometimes disrupt attention
- Time for four module bit tight
- Logistic support like water supply at dormitory need attention for this venue.

F. Closing ceremony

An informal ceremony was took place at evening. Md. Mizan (Horticulturist, Khulna Horticulture Center) presided over the event where Mr. Hein and Ashraf attended as a special and chief guest. Two FOs spoke on that occasion. They gave over all opinion on training programme. They mentioned that the TOT was very useful for them and they will able to work with FFS properly. They want the vehicle support quickly and the initial monetary support for starting their work Special guest thanks the participants for their active participation at TOT. He responded on participants vehicle support and initial monetary support. He stated he will look on initial monetary support, but for vehicle it may take some time. FO will follow the CO on this regards. He also Thanks all facilitators, the horticulture Center staffs, care-taker, dining people for their best support.

Mr. Asharaf thaks all facilitators, logistic support staffs, horticultural center support staff for their nice support. He expressed his satisfaction that all participants are returning their home after TOT with good health. He thanks them for their active participation, discipline and cooperation. For TOT he opined that it is a continuous process. On job training will be continued. He mentioned, the course was designed in keep on mind that the participants are experienced on FFS. At the end of the event four best performer (two male and two female) was rewarded by token gift.

Note: Day planning

Every day, a day planning meeting was took place and presided by C3 staffs. C3 staffs , house team leaders are attended the meeting. House team leaders and C3 staffs reviewed the whole day activities. Learnt from the participants views regarding the facilitation, topic been discussed , practical sessions and others. Note down the issues action taken according to the day plan review meeting.



Annexure 1



Annexure 1

Day-1, November 02, Saturday

House team Leader: Sumona Rani Das

Date/ Time	Торіс	Facilitators
08.30-10.00	Registration, Pre-test and introduction	Sumona, Shamim, Anayet, Kashem
10:00-10.30	Introduction of Blue Gold programme and Course Objective	Hein
10.30-11.00	Refreshment	
11.00-1:00	Logistic, Presentation on different components (C1, C2 &C4)	Mizanur Rahman
1.00-2.30	Lunch and Prayer Break	
2:30-3:30	Group dynamics and Participants Expectation	Anayet , Sumona, Shamim, Abdullah Sani
3.30-4.00	Overview on course contents	Munir
4:00-5.00	Role and responsibilities of FFS Organizers	Ashraf, Hein
6.00-7.30	Day planning	Group leaders, C-3 staffs

<u>Day-2, November 03, Sunday</u> <u>House Team Leader: Rasel and S.Nahar</u>

Date/	Торіс	Facilitators
Time		
08.30-9:30	Recap	Day leader
9.30-10.15	Adult learning	Khairul & Kashem
10.15-11.00	Learning methods	Khairul & Kashem
11.00-11.30	Refreshment	
11.30-12-30	Social mobilization	Khairul & Kashem



Date/	Торіс	Facilitators
Time		
12.30-1.00	Effective Facilitation and its technique	Khairul & Kashem
1.00-2.00	Lunch and Prayer Break	
2.00-2.30	Effective Facilitation and its technique	Khairul & Kashem
2.30-4.30	Learning environment of FFS and technique of manage problematic participant	Kashem &Munir
6.00-7.00	Day planning	Group leaders and

Day-3 House team leader: Basar & Rahima

Date/	Торіс	Facilitators
Time		
8.30-9.30	Re-cape	House Team Leader
9.30-10.30	What is FFS	Asharf/Hein
10.30-11.00	Farmer selection criteria for FFS	Asharaf/Munir
11.00-11.30	Refresher	
11.30-1.00	Food and classification of food on the basis of function	Ashraf/Shamim
1.00-2.00	Lunch	
2.00-4.30	Balance food for different groups (infant, adolescent, pregnant, lactating)	Munir
4.30-5.00	Tea break	
6.00-7.00	Day planning	Group leaders and HTL and C3 staffs

Day-4 House team leader: Jabbar & Hapsa

Date/ Time	Торіс	Facilitators
8.30-9.30	Re-cape	House Team Leader
9.30-11.00	What is Gender? Role of Gender in Blue gold project	Kitty



Date/	Торіс	Facilitators
Time		
11.00-11.30	Refresher	
11.30-1.00	Health and Primary health care	Shamim/Munir
1.00-2.00	Lunch and prayer	
2.00-3.30	Fisheries and fisheries resource	Shamsul Huda
3.30-4.15	Session delivery process	Munir
4.15-4.30	Tea break	
4.30-5.00	Cooking demonstration , preservation and processing	Sumona/Anayet
6.00-7.00	Drama and Day planning	Group leaders and HTL and C3 staffs

Day-5 House team leader: Oli Ullah & Asma

Day-5 House team reader. On Ohan & Asina		
Date/	Торіс	Facilitators
Time		
8.30-9.00	Re-cape	House Team Leader
9.00-10.00	Production Planning (vegetables and poultry)	Munir
10.00-11.00	Ballot Box Test (BBT)	Ashraf
11.00-11.30	Refresher	
11.30-1.00	What is FMA? How to conduct FMA for poultry	Munir
1.00-2.00	Lunch	
2.00-5.00	Field work on FMA on poultry	Munir
6.00-7.30	Day planning	Group leaders and HTL and C3 staffs

Day-6 House team leader: Salam and Aklima

Date/	Торіс	Facilitators
Time		
8.30-9.00	Re-cape	House Team Leaders



Date/ Time	Торіс	Facilitators
9.00-10.00	What is transect walk and community resource mapping through transect walk	Munir
10.00-11.00	Introduction on homestead garden module	Afzal
11.00-11.30	Refresher	
11.30-1.00	What is Community Meeting and How it could be conducted	Munir
1.00-2.00	Lunch	
2.00-3.00	Coordination with FO and CO activities at field level	Asharf/Munir
3.00-4.30	Vegetable production technology	Afzal
4.30-5.00	Day planning	HTL and C3 & staffs

Day-7 House team leader: Jabbar and Jahida

Day / 110abe team reader. Gubbar und Gumad		
Date/	Торіс	Facilitators
Time		
8.30-9.00	Re-cape	House Team Leaders
9.00-11.00	Vegetable production technology	Afzal
11.00-11.30	Refresher	
11.30-1.00	Continuation on vegetable production technology	Afzal
1.00-2.00	Lunch and prayer	
2.00-3.00	Continuation on vegetable production technology	Afzal
3.00-4.30	Problem and problem analysis (Mind mapping)	
4.30-5.00	Day planning	HTL and C3 & staffs

Day-8 House team leader: Mizan and Nargis



Date/	Торіс	Facilitators
Time		
8.30-11.00	Transect work, polder analysis, resource mapping (field work, Polder-30)	Munir
11.00-11.30	Tea break	
11.30-1.00	Continued	
1.00-2.30	Lunch	
2.30-4.30	Community meeting	Munir/Ashraf

Day-9 House team leader: Firoz Alam and Nasima

Date/	Topic	Facilitators
Time		
8.00-8.15	Re-cape	House Team Leader
8.15-9.45	Trial setup on fruit and vegetable	Afzal
9.45-11.15	Continuation on trial setup on fruit and vegetable	Afzal
11.15-11.30	Tea Break	
11.30-1.00	Vegetable insect pest management	Mritunjoy Roy
1.00-2.00	Lunch	
2.00-3.30	Vegetable disease management	Mritunjoy Roy
3.30-4.15	Housing management for poultry	Dr. Noor
6.30-7.30	Day planning	HTL and C3 staffs

Day-10 House team leader: Shahidul and Popy



Date/	Торіс	Facilitators
Time		
8.00-8.15	Re-cape	House Team Leader
8.15-11.00	Problem identification of fruit trees and their general management	Mritunjoy Roy
11.00-11.30	Tea Break	
11.30-1.00	Continued	Mritunjoy Roy
1.00-2.00	Lunch	
2.00-3.30	Laying & Broody hen management	Dr. Munir
3.30-4.15	Chicks and pullet rearing and its management	Dr. Noor
6.30-7.30	Day planning	HTL and C3 staffs

Day-11 House team leader: Jakir and Aklima

Date/	Topic	Facilitators
Time		
8.30-9.30	Re-cape	House Team Leader
8.15-11.00	Primary health care of poultry	Dr. Noor
11.00-11.30	Refresher	
11.30-1.00	Practical on Hazel preparation	Dr. Munir
1.00-2.00	Lunch	
2.00-4.00	Practical on Food technology	Mizan
6.30-7.30	Day planning	HTL and C3 staffs

Day-12 House team leader: Eusuf and Morim

Date/ Time	Торіс	Facilitators
8.30-9.30	Re-cape	House Team Leader
9.30-11.00	Homestead garden and goyeshpur model	Shamim/Moshiur



Date/ Time	Торіс	Facilitators
11.00-11.30	Refresher	
11.30-12.00	Brief on livestock at Khulna district	District Livestock officer
12.00-1.00	What is trial? How to set a poultry trial	Dr. Noor
1.00-1.30	How to draw a chicken and duck	Dr. Munir
1.30-2.30	Lunch	
2.30-3.00	Brief on water management status for different crop	Abdullah Sani
3.00-4.30	Participatory epidemiology and bio-security of poultry	Dr. Munir
6.30-7.30	Day planning	HTL and C3 staffs



Day-13. House team leader: Sumona Rani Das

Date/	Торіс	Facilitators
Time		
9.00-10.00	Post test	C3 staffs
10.00-11.30	Role and Responsibilities of Farmers Field School Organizer for FFS, Contd.	Hein
11.30-12.00	Refresher	
12.00-1.00	Role and Responsibilities of Farmers Field School Organizer	Hein
1.00-2.00	Lunch	
2.00-2.30	Economic analysis on farm	Munir
2.30-3.00	Evaluation	Participants
6.30-7.30	Closing ceremony	Facilitators and participants



Annexure 2: Participant list

Annexure 2: Participant list			
	Address	Mobile number	
	Aklima Akter Vill: Chhangaon, P.O: Bazra -3840 P.S: SonaimuriDist: Noakhali	1816858827	
	Aklima Vill+PO: Naluabagi UP: Galachipa Dist: Patuakhali	1749144486	
	Asma Akter Vill: Shailabunia PO:Badura hat, PS:Galachipa District: Patuakhali	1771483550	
	Md. Abul Bashar Village: Bejoher, Post: Mahilara, Upazilla: Gournadi, District: Barisal	1724430164	
	Eusuf Ali Terochor,PO:Muladi, UP: Muladi, Dist: Barisal	01754269920	
	Feroj Alom Vill- Sarikkhali, Post- Itbaria, Upazila- Patuakhali, Dist- Patuakhali.	1710618697	







Hafsa Khanom

1771041206



vill: Dhepsabunia, Post:	



Balipara, Upz: Zianagar	



Dist:Pirojpur	







Abdul Jabbar

1713952322





Patuakhali.	



Dist- Patuakhali	









Vill:Kalkati PO: Bhangoora	



PS:Bhangoora Dist: Pabna	







	Vill: Mohshen uddin.	



P.O:Mohshenuddin UP: Patuakhali,Dist:	



Patuakhali	







Moriom 1762511917





PS+Muladi: Barisal	
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Vii: Sanur howla,	



PO:Khachiabunia,PS:Rangabali	



Dist: Patuakhali	







S. Nahar 1729686149



Village- Halodia, P/O- Halodia Bazar,	



	PS: Amtali	



District: Barguna	







Nasima Akter 1723246276



Vill:Mather danga,PO:Panzia,	



PS:Keshobpur.	



Dist: Jessore	









Vill: Barun Baria, P.O: marich Baria,	



	PS+Dist: Patuakhali	
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Vill: Borun Baria PO: Morich bunia,	



PS+Dist: Patuakhali	



Md. Rasel Miah Vill: Fuldhalua,PO: Dhalbanga, Upazila: Barguna Sadar, District: Barguna	1727465316
Md. Abdus Salam Vill: Nazirpur, P.O: Lohalia Boro Bari Up: Patuakhali Dist: Patuakhali	01753837720
Md. Shahidul Islam Vill Golbunia, P.O Amragachia, P.S. Mothbaria, District – Pirojpur	1846407267
Md. Waliullah Vill-Dugrapur, Post- Itbaria, Upazila- Patuakhali Dist- Patuakhali	1745520455
Jahida Akter Vill: Shankarpara PO:Bashbaria ,PS:Pirojpur Dist: Pirojpur	1735593977
Zainal Abedin Village: Chorokgasia, Post. Chorokgasia, Upazilla & Dist. Barguna	1713958891

