



## Training Report

# Technical Training on Farmer Field School (FFS) T-Aman For Community Water Management (CWM)



**Date of Training**  
**18 to 19 June 2016 at Ava Center, CSS, Khulna**  
**Blue Gold Program**  
**Bangladesh Water Development Board**

## Table of Contents

1. Introduction .....	3
2. Objectives of training program .....	3
3. Participants: .....	4
4. Applied Training Method: .....	4
5. Resource persons .....	4
6. Major achievement of the session.....	4
6.1 Official Opening .....	4
6.2 Group work's out comes.....	5
6.2.1 Session planning exercise: .....	5
6.2.3 Crops budget.....	6
6.2.4 Production / Crops Budget Plan(Sesame).....	7
6.2.5 Production / Crops Budget Plan(T.Aman) .....	8
7. Recommendation.....	9
8. Conclusion.....	9

## 1. Introduction

Blue Gold program organize two days long Technical Training on Farmer Field school (FFS) T-Aman for Community Water Management (CWM) at Ava Center CSS Khulna for the period from 18 to 19 June, 2016 aim is to implement FFS Curriculum in CWM areas by SAAO and CO/PF. The pre-selected topics/agenda had been conducted for this workshop (See Annex-1).

The main outcome of this Training is to get preparation of the said curriculum including developing day schedule, Crops budget and accordingly a sequential process of work was to perform to preparing the same. To effective completion of the training program and achieve the last result to implementing the FFS curriculum including developing day schedule etc , some theoretical session was also designed that helps to improve the understanding level of participant's like; HYV of rice, crop water system analysis, roles of WMG, WMA,SAAO, production plan & Budget. There was an important group work on Production plan & Crop Budget.'

## 2. Objectives of training program

This training course has been conducting for the SAAOs, PFs and COs working in CWM areas in Khulna. The main objective is to implement FFS Curriculum in CWM areas by SAAO and CO/PF with gather necessary knowledge/skills and to utilize these learning to assist the farmers for producing multifaceted crops..

At the end of the training, the participants will be able:

- To have a full understanding of the session plan for CWM-FFS curriculum for T.Aman and its differences from a standard T.Aman FFS curriculum;
- To have an understanding of the difference types of HYVs and their cultivation management in the field;
- To develop awareness of the WMG members/ FFS participants regarding On Farm Water Management and Catchment Water Management;
- To understand the wished for interaction with WMG and WMA for joint water management action;
- To initiate collective action & networking for inputs & services with WMG members / FFS participants;
- To understand how a crop production plan & budget can be prepared;
- To understand how record keeping can be done;
- To consider gender issues in crop production planning and field activities;
- To be able to make a planning for the upcoming FFS sessions integrating all necessary aspects and in close coordination with BGP field staff and CWM coordinator.



### 3. Participants:

SAAOs, PFs and COs working in CWM areas in Khulna

### 4. Applied Training Method:

This training course followed mainly participatory method. Other training methods also

- Followed and applied in this training, which are given below:
- Participatory Lecture Method
- Group discussion
- Brain storming
- Questioning and Answering
- Power point presentation
- Role play
- In class exercise
- Group work

### 4. Resource persons

The training course organized by the Blue Gold Program officials and the training session was facilitated by the BG-Dhaka team, Zonal Expert, Training Team members and Dr. Manoranjan



Water Scientist, IRRI-Banagladesh. Dr Manoranjan played the vital role through facilitating the session specially HYVs of Rice and their crop water relationship, Crop water system analysis under Catchment Water Management event in the training. His analytical presentation was very easy understanding to the participants what makes them more confident to implement the CWM at field level.

During his session, Mr. Mondol shows relevant in local context picture, sequencing and linking of session considering local contexts, which based on Community Water Management (CWM).

He also said live story for easier understanding of the participants and he tries to know the local context through the questioning. Comparative scenario between Khulna and patuakhali, in patuakhali zone harvested bit early compare with Khulna zone due to equitable water management and it was the vivid learning from his session.

### 6. Major achievement of the session

#### 6.1 Official Opening

The training course usually started at 9.45 AM and course was inaugurated by Md. Azizur Rahman - Zonal Coordinator where Hein Bijlmakers - Component Leader/ Food Security and Agricultural Production and Muhammad Ashraful Islam Agriculturalist / DCL were present in the stage.



Outset of the session, Hein Bijlmakers has given a short welcome speech on training program. He said that last year we have implemented CWM in polder-30 and this year we planned as well as going to implement 4 CWM in Khulna and 6 CWM in Patuakhali zone. We have lots of experience from last year pilot CWM. Dr. Manoranjon from IRRI was the first initiator of CWM and he led the whole program last year along with BGP COs. The CWM is partnership initiative among IRRI, BRAC and BGP. He also said those who involved much in agriculture activities they will play vital role in CWM. It will implement by FFS but has some things difference from traditional FFS. Finally he expressed that we want to develop a module on Community Water Management to have essence from

all of you during training.

Again, Muhammad Ashraful Islam Agriculturalist / DCL were made a speech in this session and he invited all the participants to execute the leaning from the whole program to implement the CWM effectively and efficiently.

In addition to that F.M. Shorab Hossain- Community Organization Expert said that to implement the CWM properly and reaching to farmer we should worked in integrated approach.

Lastly Md. Azizur Rahman - Zonal Coordinator inaugurated the session by saying that all are requested to participate in the session actively and make it lively.

## 6.2 Group work's out comes



Based on learning from different theoretical discussions the participants were supposed to make a session plan on CWM and prepare Crop budget. Participants were divided into two groups and done the same. Through an interactive presentation the group's outcomes were finalized as per following manner respectively:

### 6.2.1 Session planning exercise:

This session conducted agriculturist Mr. Zahangir Alam he described

shortly importance of planning and he also add that it is need to be proper plan to implement community water management. I hope, you will help me to make an effective plan and want to prepare FFS session plan on way of participatory discussion. These are following

1. What pre-preparation you have to take before conducting/facilitating the FFS learning session number 01, 02, 03 and 04
2. What type of materials is needed for conducting session? Fill up the following table:



## Training Schedule:

SL #	Session	Small topics/ Activity	Time
01	<b><u>First Session:</u></b>  During 2 –3 weeks before seedbed preparation.	<ul style="list-style-type: none"> <li>• Ballot Box Test for male participants</li> <li>• Objectives of the session.</li> <li>• Expectation from the farmers</li> <li>• Small Group formation</li> <li>• Share FFS Budget with the participants</li> <li>• Introduce of Community Water Management, problems, challenges and scope.</li> <li>• Planning for next session</li> </ul>	4 hrs.
02	During seed bed preparation	<ul style="list-style-type: none"> <li>• Discussion on HYV of rice</li> <li>• Discussion on quality of Seed, seed germination and preparation of seedbed.(With practical, seed germination test0)</li> <li>• Seedling raising</li> <li>• Benefits of jointly collecting rice seed, Role of resource farmers</li> </ul>	3 hrs.
03	After the preparation of seed bed	<ul style="list-style-type: none"> <li>• Discussion on crop budget</li> <li>• Discussion of importance of water for rice cultivation</li> <li>• Motivation to prepare plan for making of field canal &amp; dam to all jointly.</li> <li>• Catchment management; visit the catchment area and participatory discussion.</li> </ul>	2.30 hrs.
04	Before seedling transplanting	<ul style="list-style-type: none"> <li>• Observation of seed germination test</li> <li>• Details discussion on soil, different types of soil, functions.</li> <li>• Soil fertility and productivity</li> <li>• Details discussion of fertilizers , fertilizer management.</li> <li>• Discussion and set up of different trials</li> </ul>	3.00 hrs.

### 6.2.3 Crops budget

Business Development Coordinator Mr Shamim Alam Facilitated the session, in this session he has given a multimedia presentation briefly on Production/ crop budget for better understanding to the participant. During his session, he divided into two groups and distributed some materials for group work to prepare on production/crop budget and also aware the participant after find out of group out comes they will make presentation through each group leader. These group outcomes are following

## 6.2.4 Production / Crops Budget Plan (Sesame)

**Cultivated Crops:** Sesame **Type:** Local Black **Seedling Time:** 20/02/16 **Period of time:** 95 days

**Land size:** 50 Decimal **Production Cost:** BDT6110 **Required Money:** BDT5960

**Fund Source - Own:** BDT5960 **Loan:** 00 **Borrowing:** 00

**Possible Production:** 160 Kg **Possible Sells Value:** BDT7200 + sub Crops: BDT300 and Total: BDT7500

**Gross Profit:** BDT1390

Sl#	Production line	Description	Quantity	Unit Cost	Total Cost
1	Land				
1.1	Land Type / Ownership	Own	50 Decimal	-	-
1.2	Land plough	Rent a power-tiller	3 time	500	1500
		Own Power-tiller			
		Oil			
		Mobil			
		Driver			
		Others			
1.3		<b>Total cost for plough</b>			1500
2	Substance / Raw Materials				
2.1	Type	Buying seeds			
		Own	1.5 Kg	100	150
		Owning from NGO/neighbor/project			
2.1	Fertilizer	Compost			
		Urea	10	16	160
		TSP			
		MOP			
		Zink			
		Boron			
		Others			
2.3	Pesticides	Pesticides	1	100	100
		Fungal less			
		Bush less			
2.4	Irrigation	Rent a Power Pump			
		Own			
		Oil			
		Mobil			
		Others			
2.5		<b>Total Raw materials Cost (2.1- 2.4)</b>			410
3	Labor Cost				
3.1	Own	Land cleaning	3	300	900
3.2	Hire	Land preparation	1	300	300
		Bush cleaning	3	300	900
		Irrigation	-	-	-
		Crops Collection	4	350	1400
3.3		Total labor cost			3500
		<b>Total Production cost (1.4+2.5+3.3)</b>			5410

4.	Production/ Income	Product/ Crops	4 (mond)	1800	7200
		Sub production (Thatch )			300
		Total Income			7500
5.	Marketing cost	Drying & packaging	2	300	600
		Transportation			460
		Vat/Tax			40
		<b>Total Marketing Cost</b>			700
6.	Others	Interest pay/wastage/Land tax	-	-	-
		<b>Total Cost (Production+ Marketing + Others)</b>			6110
		<b>Net profit ( total income- Cost)</b>			1390

### 6.2.5 Production / Crops Budget Plan(T.Aman)

**Cultivated Crops:** T. Aman **Type:** BRRI -52 **Seedling Time:** 01/08/16 **Period of time:** 140 days

**Land size:** 100 Decimal **Production Cost:** BDT20706 **Required Money:** -

**Fund Source - Own:** BDT20706 **Loan:** 00 **Borrowing:** 00

**Possible Production:** 20000 Kg **Possible Sells Value:** BDT40500 (including by product)

**Net Profit:** BDT19794

Sl#	Production line	Description	Quantity	Unit Cost	Total Cost
<b>1</b>	<b>Land</b>				
1.1	Land Type / Ownership	Own	100 Decimal	-	-
1.2	Land plough	Rent a power-tiller	100	24	2400
		Own Power-tiller			
		Oil			
		Mobil			
		Driver			
		Others			
1.3		<b>Total cost for plough</b>			2400
<b>2</b>	<b>Substance / Raw Materials</b>				
2.1	Type	Buying seeds	100kg	70	700
		Own			
		Owning from NGO/neighbor/project			
2.1	Fertilizer	Compost	1000 kg	1	1000
		Urea	60	16	960
		TSP	30	22	660
		MOP	16	15	240
		Zink	4	140	560
		Boron			
		Others	36	6	216
2.3	Pesticides	Pesticides	60gm	145	870
		Fungal less			
		Bush less			
2.4	Irrigation	Rent a Power Pump			
		Own			
		Oil			
		Mobil			



		Others			
2.5		<b>Total Raw materials Cost (2.1-2.4)</b>			5206
3	Labor Cost				
3.1	Own	Land cleaning	3	400	1200
3.2	Hire	Land preparation			
		Bush cleaning	9	300	2700
		Irrigation	-	-	-
		Crops Collection	15	400	6000
3.3		Total labor cost			9900
		<b>Total Production cost (1.4+2.5+3.3)</b>			17506
4.	Production/ Income	Product/ Crops	2000kg	18.75	37500
		Sub production (Thatch )	1400kg		3000
		Total Income			40500
5.	Marketing cost	Drying & packaging	9	300	2700
		Transportation			500
		Vat/Tax			
		<b>Total Marketing Cost</b>			3200
6.	Others	Interest pay/wastage/Land tax	-	-	-
		<b>Total Cost (Production+ Marketing + Others)</b>			26706
		<b>Net profit ( total income- Cost)</b>			19794

## 7. Recommendation

- Participants thinks that more time covers others issues for that planning time was very short. It is recommended that this type of training in the future to allow more time for effective planning.
- The training is very good to implement for Community Water Management .It is recommended that it should be residential and refresher on yearly basis.

**8. Conclusion:** Based on above discussion District Director of DAE Md. Abdul Latif given closing Speech, in his valuable closing remarks he said to the house I hope, this training will be fruitful to implement for Community Water Management (CWM). If the initiative is implemented properly, farmers of this area will be benefited in multi productivity in the long run. So i am requesting you to do the work well in the field.

There is no any discussion Zonal coordinator concluded the training with thanks formally.

Prepared by: Nripendra Chandra Das, Training Coordinator, Satkhira