



Blue Gold Program

DRAFT Annual Plan 2015

**Embassy of the Kingdom of the Netherlands,
Dhaka, Bangladesh**

**Bangladesh Water Development Board (BWDB)
Department of Agricultural Extension (DAE)**

November 2014



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List of Abbreviations

ADP	Annual Development Plan
AEO	Agricultural Extension Officer
BWDB	Bangladesh Water Development Board
C	Component
CAHW	Community Animal Health Worker
CBO	Community-Based Organisation
CDMP	Comprehensive Disaster Management Program
CDSP IV	Char Development and Settlement Project Phase IV
CEGIS	Center for Environmental and Geographic Information Services
CEIP	Coastal Embankment improvement Project
CGIAR	Consultative Group on International Agricultural Research
CIMMYT	International Maize and Wheat Improvement Center
CO	Community Organizer
CPWF	Challenge Programme on Water and Food (CPWF)
CSISA	Cereal Systems Initiative for South Asia
DAE	Department of Agricultural Extension
DAM	Department of Agricultural Marketing
DANIDA	Danish International Development Agency
DLS	Department of Livestock Services
DoC or DOC	Department of Cooperatives
DoF or DOF	Department of Fisheries
DP III	Department of Planning III
DPP	Development Project Proforma
DTL	Deputy Team Leader
EKN	Embassy of the Kingdom of the Netherlands
EMM	Euroconsult Mott MacDonald
EUR	Euro
FFS	Farmers Field School
FGD	Focus group Discussion
FY	Financial Year
GAP	Gender Action Plan
GBDC	Ganges Basin Dev. Challenges
GEAP	Gender Equity Action Plan
GESAP	Gender Equality Strategy and Action Plan (of BWDB)
GDP	Gross Domestic Product
GFFDP	Greater Faridpur Fisheries Development Project
GoB	Government of Bangladesh
GoN	Government of the Netherlands
GPWM	Guidelines for Participatory Water Management
ha	Hectare
HH	Household
IFMC	Integrated Farm Management Component
IGA	Income Generating Activity
IPM	Integrated Pest Management
IPSWAM	Integrated Planning for Sustainable Water Management

IPSWARM	Guidelines for Integrated Planning for Sustainable Water Resources Management
IRRI	International Rice Research Institute
IWM	Institute of Water Modeling
IWMI	International Water Management Institute
IWRM	Integrated Water Resources Management
LCG	Local Consultative Group
LCS	Landless/Labour Contracting Societies
LG	Local Government
LGED	Local Government Engineering Department
LGI	Local Government Institutions
M&E	Monitoring and Evaluation
MDG	Millennium Development Goals
MF	Max Foundation
MoU	Memorandum of Understanding
NGO	Non-Governmental Organisation
O&M	Operation and Maintenance
PCD	Project Coordinating Director
PD	Project Director
PDP	Polder Development Plan
PMC	Project Management Committee
PPP	Public Private Partnership
PSC	Programme Steering Committee
SAFAL	Sustainable Agriculture, Food security and Linkages
SDC	Swiss Agency for Development Cooperation
SDE	Sub-Divisional Engineer
SME	Small and Medium Enterprise
SRDI	Soil Resources Development Institute
SSWRDSP	Second Small-Scale Water Resources Development Sector Project
SSWRDSP	Small Scale Water Resources Development Sector Project
SWAIWRPMP	Southwest Area Integrated Water Resources Planning and Management Project
TA	Technical Assistance
TL	Team Leader
TNA	Training Needs Assessment
TOT	Training of Trainers
UAO	Upazila Agricultural Officer
UP	Union Parishad
VAP	Village Action Plan
VC	Value Chain
VCA	Value Chain Analysis
VCD	Value Chain Development
VCS	Value Chain Selection
WASH	Water Sanitation and Hygiene education
WB	World Bank
WMA	Water Management Association
WMG	Water Management Group
WMIP	Water Management Improvement Project
WMO	Water Management Organisation
WF	World Fish
WUR	Wageningen University and Research Centre
XEN	Executive Engineer (BWDB)
ZSEs	Zonal Socio-Economists

1. Context

1.1 Program Rationale and Objectives

Bangladesh, the largest river delta in the world, depends largely for its economic growth on integrated and sustainable water resources management. The three major river systems of the country mark its physiographic and life of its people. Its waters, its **Blue Gold**, have fundamentally shaped Bangladesh culture. Efficient management of this immense natural resource remains a continuing challenge and offers at the same time tremendous opportunities.

The goal of Blue Gold is to establish and empower community organizations/water management organizations (WMOs) to manage their water resources in a sustainable way and to make these resources more productive. The Program aims to create strong communities or cooperatives that will interact with public and private organizations that play a role in the development of the area. Participatory water resources management is the entry point and the initial driver of the community organization process. The objective of Blue Gold is to reduce poverty of the people in the coastal areas by enhanced productivity of crops, fisheries and livestock and increasing incomes by improved processing and marketing of agricultural products including value chain development.

1.2 Overall and Specific objective(s) of the Blue Gold Program

The overall objective of the Blue Gold Program is:

"To reduce poverty for 150,000 households living on 160, 000 ha of selected coastal polders by creating a healthy living environment and a sustainable socio-economic development".

The specific objectives of Blue Gold are:

- i. To protect the communities and their land located in polders against floods from river and sea (climate change adaptation) and to optimize the use of water resources for their productive sectors.
- ii. To organise the communities in cooperatives which will have to become the driving force for the natural resources based development (agriculture, fisheries and livestock), whereby environment, gender and good governance are effectively addressed.
- iii. To increase the household income derived from the productive sectors.
- iv. To strengthen the institutional framework for sustained water resources development and related development services in the SW/SC coastal zones

1.3 Area

The Blue Gold Program covers a gross area of 160,000 ha of selected polders in the Districts of Satkhira, Khulna and Patuakhali.

Twelve polders have been selected so far and are included in the program for 2015. Moreover, four more polders will be selected during 2015. See map.

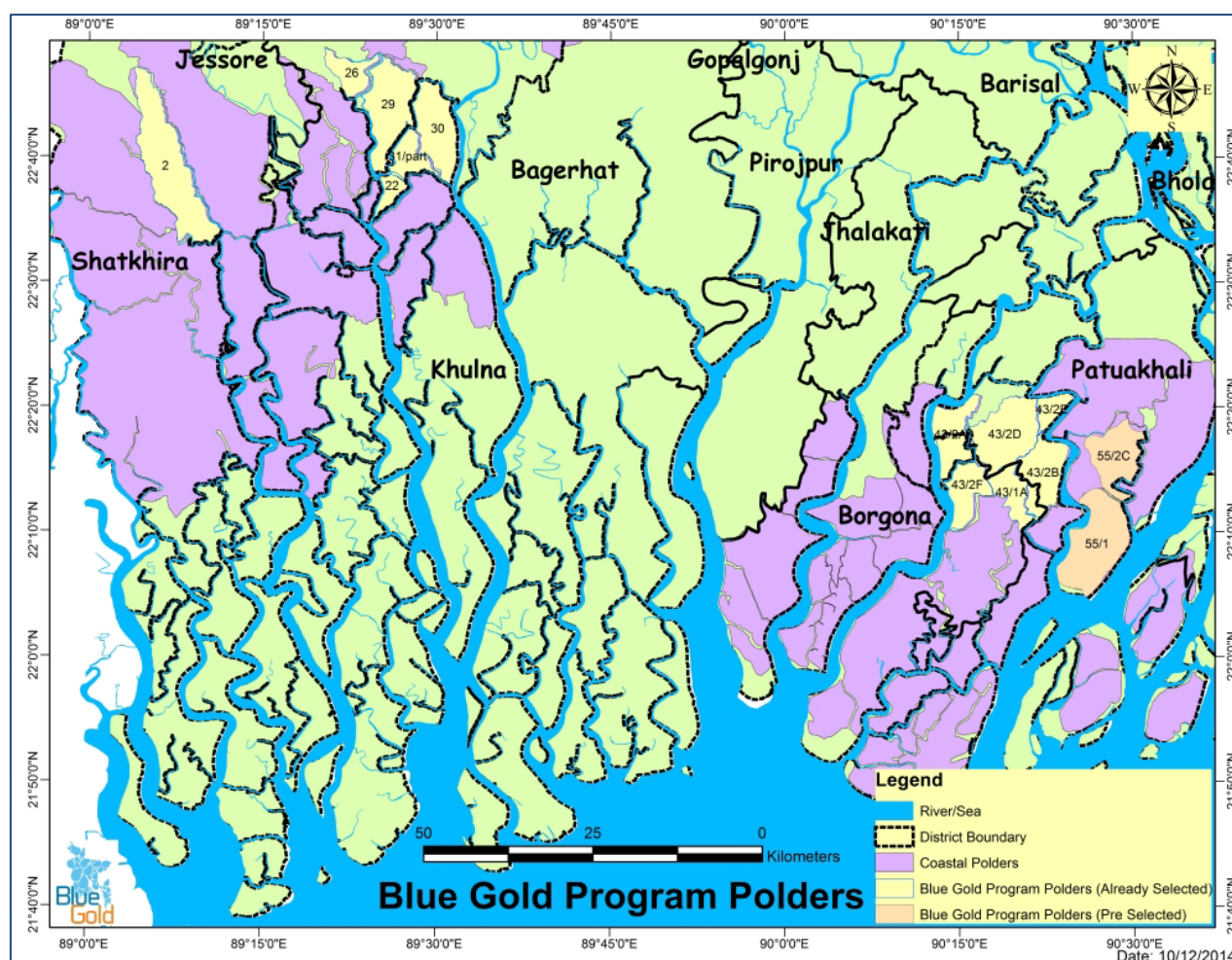


Table 1-1: Selected & Pre-Selected Polders

Sl. No.	Polder No.	District	Uapzila	Gross area (ha)	Type: FT or Rehab	Remarks
Patuakhali & Barguna Districts						
1	43/2A	Patuakhali	Patuakhali	5,180	FT	Selected (IPSWAM)
2	43/2B	Patuakhali, Barguna	Galachipa, Amtali, Patuakhali	5,460	FT	Selected (IPSWAM)
3	43/2D	Patuakhali	Patuakhali	6,500	FT	Selected (IPSWAM)
4	43/2E	Patuakhali	Patuakhali	1,650	FT	Selected (IPSWAM)
5	43/2F	Barguna	Amtali	4,450	FT	Selected (IPSWAM)
6	43/1A	Barguna	Amtali	2,680	FT	Selected (IPSWAM)
7	46	Patuakhali	Kalapara	4,700	FT	On long list
8	47/3	Patuakhali	Kalapara	2,030	FT	On long list
9	47/4	Patuakhali	Kalapara	6,600	FT	On long list
10	47/5	Patuakhali	Kalapara	7,500	FT	On long list
11	55/1	Patuakhali	Galachipa	10,330	FT	Pre-selected
12	55/2C	Patuakhali	Galachipa	6,280	Rehab.	Pre-selected
Khulna District						

13	22	Khulna	Paikgacha	1,630	FT	Selected (IPSWAM)
14	30	Khulna	Batiaghata	6,400	FT	Selected (IPSWAM)
15	29	Khulna	Dumuria, Batiaghata	8,220	FT	Selected (IPSWAM)
16	31-part	Khulna	Batiaghata	4,850	Rehab.	Selected
17	26	Khulna	Dumuria	2,700	Rehab.	Selected
18	27/1	Khulna	Dumuria	3,770	Rehab.	On long list
19	28/1	Khulna	Dumuria	5,600	Rehab.	On long list
Satkhira District						
20	6-8 Extension	Satkhira	Satkhira, Kalaroa	18,450	Rehab.	On long list
21	2	Satkhira	Satkhira, Asasuni	11,290	Rehab.	Selected
22	4	Satkhira	Asasuni	10,320	Rehab.	Field request but not On DPP long list

1.4 Program Components

- 1 - Community Mobilisation and Institutional Strengthening
- 2 -Water Resources Management
- 3 - Food Security and Agricultural Production
- 4 - Business Development and Private Sector Involvement

Four other Dutch-funded projects are closely linked to the Blue Gold Program:

- 1) The Sustainable Agriculture, Food Security and Linkages (SAFAL) project, developing value chains in the subsectors aquaculture, dairy and horticulture;
- 2) The Max Value for WASH project, aiming to provide 800.000 people in rural communities with safe drinking water and sanitation facilities, as well as hygiene education;
- 3) The BRAC WASH II program, providing improved access for all to safe drinking water, sanitation and hygiene education in polders 22, 29 & 30 of Khulna District; and
- 4) Through UNICEF and Acacia Water additional innovative drinking water supply systems will be installed under the MAR (Managed Aquifer Recharge) project.

2. Project Status

2.1 Program Management

Blue Gold is implemented by BWDB (Ministry of Water Resources) and DAE (Ministry of Agriculture). BWDB is the lead implementing Agency. Technical Assistance (TA) is provided through a consortium consisting of Euroconsult Mott MacDonald, the Netherlands (lead firm), Femconsult, the Netherlands, Mott MacDonald Bangladesh, Socioconsult (Bangladesh), and BETS (Bangladesh). Participation of other GoB institutions, notably the Department of Fisheries (DoF) and the Department of Livestock Services (DoLS) is channelled through the TA contract.

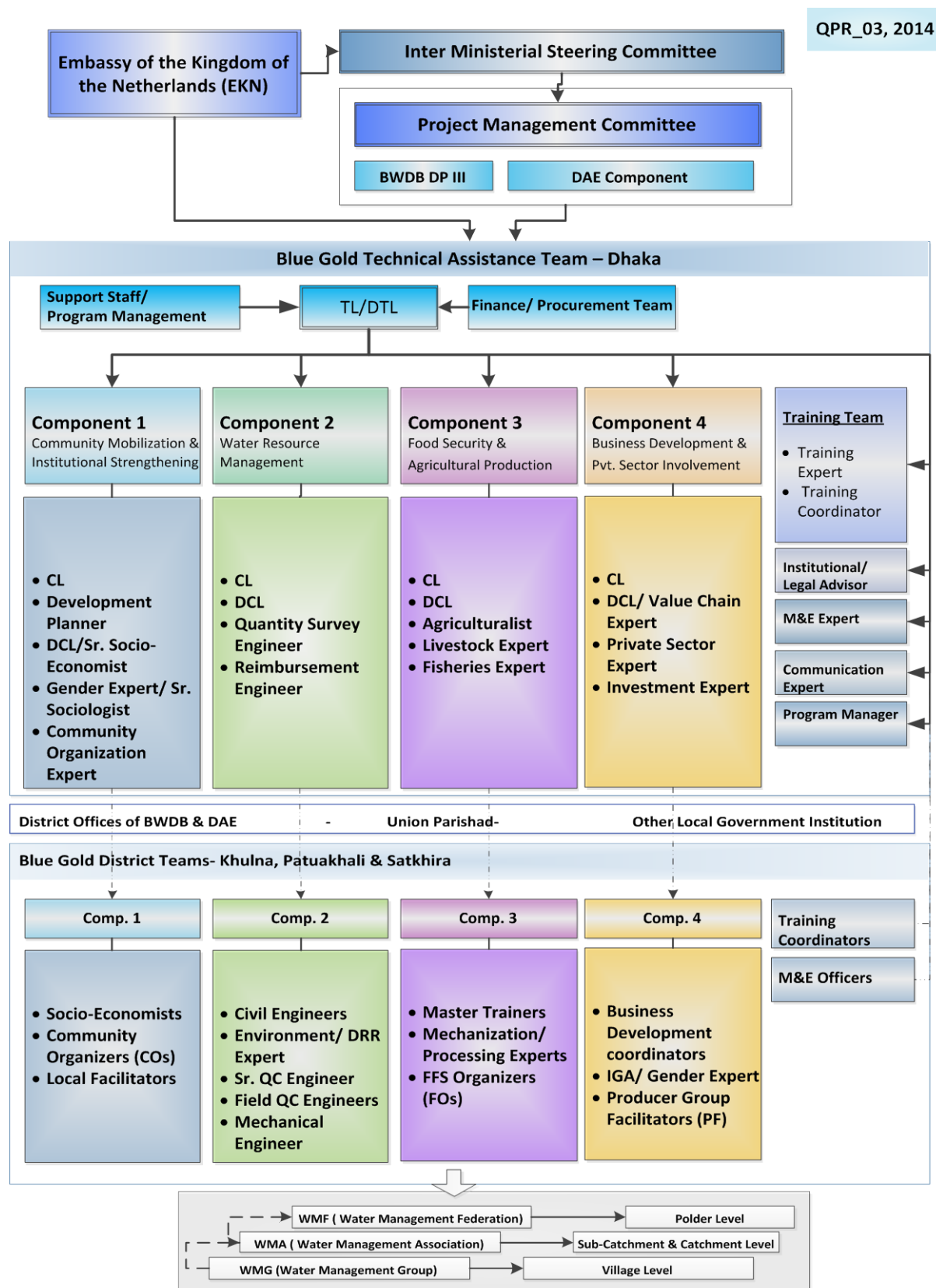
Regular coordination meetings are held between EKN and Blue Gold TA management. Coordination with BWDB and DAE takes place on an ad-hoc basis, facilitated by shared offices in Motijheel (BWDB) and Khamarbari (DAE).

2.2 Organizational Issues

The Project Management Committee (PMC) is chaired by the Project Coordinating Director (PCD) of BWDB and consists of representatives from the Ministry of Water Resources (MoWR), Planning Commission, IMED and from the four executing Departments (Agriculture Extension, Fisheries, Livestock and Cooperatives). The TA Team Leader is the Secretary to the PMC. The office of the PCD serves as the Secretariat of the PMC. The PMC would aim to meet once a month but should at least meet every three months.

The Inter Ministerial Steering Committee (IMSC) is chaired by the Secretary, Ministry of Water Resources and consists of representatives of the Ministries of Water Resources, of Agriculture, of Fisheries and Livestock and of Local Government Rural Development and Cooperatives. In addition, EKN, PCD and Team Leader TA Blue Gold are members of the IMSC. The IMSC will meet once a year. For a detailed list of the TOR of the IMSC and its members see DPP–Recast May 2013, Appendix 9.

2.3 Organogram



3. Component 1: Community Mobilization and Institutional Strengthening

3.1 Main Achievements of 2014

Table 3-1: Achievements of Comp.1 in the year 2014

S.n.	Activities	Cumulative progress	Remarks
1.	Hiring and posting of Community Organizers (COs)	• Completed for 12 polders	4 polders in Patuakhali, 2 in Barguna, 5 in Khulna & 1 in Satkhira
2.	Hiring of Local Facilitators (LFs)	• Hired 20 LFs in 2 polders (5 in Polder 31-part & 15 in Polder 2)	Started working on 16 Nov. 2014
3.	Community Level Needs Assessment and Initial Action Plan	• Completed in 9 IPSWAM polders	This activity will not be continued
5.	Household Survey	Done in 5 polders	For other polders replaced by the baseline survey
6.	WMO Functionality Assessment	Completed in 9 polders	2 Reports submitted
8.	Enrolment of new members	• Over 40% enrolment done in all 9 polders	It is a continuing process
10.	Election of New Executive Committee	• Held for 162 WMGs	Process of election continuing in 32 WMGs
11.	Assisting WMGs to apply for BWDB registration	• 239 out of 242 WMGs	3 WMGs have severe internal conflicts
13.	WMGs participating in routine O&M	WMGs in 9 Polders doing routine O&M: • Polder 29: 70% • Polder 30: 80% • Polder 22: 90% • 6 Polders in Patuakhali: 40% of WMGs	• Community needs assessment and initial action plan formulation motivated WMGs to improve O&M works • WMCs supervised the works
15.	Formation of Ad-hoc Committee in new polders	• 12 out of 15 WMGs completed in Polder 26 • Completed in Polder 31-part • 8 completed out of 82 WMGs in Polder 2	

3.2 Work Plan 2015

Table 3-2: Annual Work Plan 2015 of Comp. 1

Sl.	Activities	Target	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
A	9 IPSWAM Fine Tuning Polders													
1	WMO Strengthening Activities:													
	a. Formation of WMAs	(30-33)												
	b. Formation of WMFs/Apex Body	9												
	c. Formulation and Ratification of WMG By-Laws	242												
	d. Registration application by WMGs	3												
	e. Prepare and conduct new elections for Executive Committee members in WMGs	85												
	f. Formation, capacity building and mobilization of WMG sub-committees	100												
	g. Membership enrolment and firming-up membership list of WMGs	More than 55% in 242 WMGs												
	h. Assist WMGs to install/update	242												

	bookkeeping and accounting system jointly with C4													
	Support implementation of WMG and WMA training programs by Training Team e.g. Organizational Management, Gender and Leadership, O&M and Resource mobilization Training	Based on Annual Plan of Training Unit												
2	Assist WMGs in the formation and mobilization of LCS groups for earthwork	200												
3	Assist WMAs in the formation and mobilization of Monitoring Committee	15												
4	Training workshop on WAP formulation for WMA (22,30,43/2D and 43/2F)	15												
5	Implementation of WAPs by WMGs	110												
6	Formulation of O&M Plan by WMAs and resource mobilization for O&M Fund (jointly with other Components)	30-33												
B	Polders 26 and 31-Part													
1	Formation of Ad Hoc Committees and Planning for the formation of remaining WMGs	30												
	a. Review and update/amend by-laws	30												
	b. Membership enrolment	55%												

	c. Form Election Committee	30												
2	Election of WMG Executive Committee members & ratification of WMG By-Laws	30												
3	Submission of WMG Registration Application	30												
4	Assist WMGs to install/update bookkeeping and accounting system	30												
5	Firm-up catchment boundaries and WMA boundaries	5												
6	Formation, ratification of By-Laws and registration of WMAs	5												
7	Formation, ratification of By-Laws and registration of WMF/apex body	2												
8	Assist WMGs to organize, train and mobilize additional LCS Groups for earthwork	30												
9	Continue monitoring implementation of physical works by WMGs and WMAs	30												
10	Support implementation of WMG training programs by Training Team e.g. Organizational Management, Gender Awareness Orientation	Based on Annual Plan of Training Unit												

C	Polder 2 in Satkhira													
1	Formation of Ad Hoc Committees and Planning for the formation of remaining WMGs	65 WMGs												
	a. Review and update/amend WMG by-laws	65 WMGs												
	b. Membership enrolment	65 WMGs												
	c. Form Election Committee	65 WMGs												
2	Election of WMG Executive Committee members & ratification of WMG By-Laws	65 WMGs												
3	Submission of WMG Registration Application	65 WMGs												
4	Assist WMGs to organize, train and mobilize additional LCS Groups for earthwork	24 WMGs												
5	Support implementation of WMG training programs by Training Unit e.g. Organizational Management, Gender Awareness Orientation	Based on Annual Plan of Training Unit												
D	New Polders 55/1 & 55/2C (Patuakhali) + 2 more													
	WMG Formation													
1	Deployment of COs + Local	12 COs + 30												

	Facilitators and community immersion	LF												
2	Intensive program dissemination/ information campaigns	120 villages												
3	Data gathering/social investigation: Identify villages, households and potential WMG members	120 villages												
4	Identify WMG and catchment boundaries in consultation with local people, UP and BWDB	150 WMGs												
5	Form Ad Hoc Committees and Review and update/amend by-laws	150 WMGs												
6	Membership enrolment	150 WMG 55%												
7	Form Election Committee													
8	Election/selection of WMG Executive Committee members & ratification of WMG By-Laws	150												
9	Submission of WMG Registration Application	150 WMG												
	<i>Planning for Physical Works with C2</i>													
1	Needs assessment at catchment level and validation at polder level	20 catchment												
2	Formation and training of LCS Groups	30												

E	Other Activities												
1	Submit Quarterly Reports and Annual Work Plan												
2	Conduct Staff Development Sessions with ZSEs and COs (Quarterly)												
3	Contribute to M&E activities												
4	C1 team members to visit to CDSP, KJDRP and GK projects	10											
5	Study visit of selected WMGs to Comilla BARD and South West for collective action plans/IGA	60 (2batch)											
6	Study visit for WMO women leaders in 9 IPSWAM polders to CDSP (Boyer Char area)	20 (at least 2 per polder)											

3.3 Component 1 Strategies

1. Local Facilitators (LFs) will be recruited to assist the Community Organizers (COs) on various community mobilization activities specifically in new polders. The LFs will be coming from the villages covered by the new polders. This is the strategy in addressing the limitation in hiring new Community Organizers for the new polders.
2. COs originally deployed in the nine IPSWAM polders are gradually being redeployed/re-assigned to new polders as Blue Gold's community organizing input to IPSWAM polders is becoming less as the WMOs' functionality and input is increasing.
3. Household survey will no longer be conducted due to time constraint. Instead, a social survey using FGD methodology will be undertaken in order to gather the following data: number of villages, number of households per village, number of potential members in the households (above 18 years old) and basic profile of these potential members e.g. main source/s of livelihood, land ownership and well-being status. This social survey will adequately provide the data that will serve as basis for membership enrolment in the WMG.
4. Village needs assessment and initial action plan formulation sessions will no longer be conducted due to time constraint. Instead, catchment level needs assessment sessions will be pursued. However, the COs will ensure that in the regular WMG Executive Committee (EC) meetings prior to the catchment level needs assessment session, the EC members come up with their priority needs and problems relating to water resource management. The COs will then consolidate priority needs and problems of the WMGs at each catchment area which will be presented and discussed during the catchment level needs assessment session.
5. Several WMO activities will be outsourced to (outside) individual Experts/NGOs/Firms in order to facilitate completion of all activities within the overall time table of the Blue Gold Program. The following will be outsourced:
 - a. Conducting social survey and gather other social data e.g. villages, households, potential WMG members and basic profile in the identified households in new polders; and
 - b. Assistance to WMGs in adapting comprehensive and transparent financial management and accounts keeping system through training and follow-up sessions (joint activity with C4)
6. Formulate and implement on pilot basis (initially) with WMOs innovative approaches on financial resource mobilization for creating regular funds to sustain their organizational and operation and maintenance requirements.
7. Hiring of additional CWM staff (specifically support staff for Deputy Chief Extension Officers (DCEOs) for processing and approval of WMG registration applications during the project period
8. Outsource WMG annual audit in cooperation with the office of the CWM and after approval of the DPP revision.

3.4 Budget Estimate 2015

Sl. #	Designation	Narrative	Unit Cost		Total Cost	
			Euro	BDT Taka (Tk.)	Euro	Taka
1	Outsourcing for Accounts & Audit of 242 WMGs		70.00	6,790.00	16,940.00	1,643,180.00
	Sub-Total		70.00	6,790.00	16,940.00	1,643,180.00
2	Pre-feasibility studies: Social Survey in 3 new polders		10,000.00	970,000.00	30,000.00	2,910,000.00
	Sub-Total		10,000.00	970,000.00	30,000.00	2,910,000.00
4	Polder Development Plan in 10 polders	Together with all other components	15,000.00	1,455,000.00	150,000.00	14,550,000.00
	Sub-Total		15,000.00	1,455,000.00	150,000.00	14,550,000.00
5	Construction of 20 WMA Office cum Training Centers	In close cooperation with Comp 2	9,000.00	873,000.00	180,000.00	17,460,000.00
	Sub-Total		9,000.00	873,000.00	180,000.00	17,460,000.00
6	Analysis and Assessment Studies:					
	a. Case Studies on resource mobilization strategies and impact of LCS scheme		1,000.00	97,000.00	1,000.00	97,000.00
	b. C1 team members to visit CDSP,KJDRP and GK Project	Cost for travel + board and lodging		264,000.00		264,000.00
	c. Study/Exchange Visits for WMGs members (Representing 40 WMGs= 20 WMGs each from Khulna and Patuakhali)	At BARD Cost for travel + board and lodging		450,000.00		450,000.00
	d. Study/Exchange Visits for Women Leaders (representing 20 WMGs)	At CDSP Cost for travel + board and lodging		450,000.00		450,000.00
	Sub-Total for Analysis and Assessment Studies		1,000.00	1,245,000.00	1,000.00	1,245,000.00

3.5 Gender

3.5.1 Work Plan 2015

Table 3-2: Annual Work Plan 2015 of Gender Activities

*ToT may be needed depending on selection of trainers / facilitators.

*Curriculum / Module needed for all training and workshop.

Table 3-3: Annual Work Plan 2015 of Gender

S.N.	Activity	Stakeholder
1.	Finalize Anti- Harassment policy, disseminate and distribute it through publication	Blue Gold staff, program participants, Third Party related to Blue Gold
2.	Conduct orientation workshop on the Anti-Harassment Policy of Blue Gold Dhaka Office Staff Support Staff	Blue Gold Dhaka staff
3.	Gender orientation workshop including Blue Gold Anti- Harassment policy for field staff, Including curriculum development Khulna Office Staff Patuakhali Office Staff Farmers Field School Organizer (FFOs) Producer Group Facilitators (PFs)	Blue Gold field staff
4.	Review IPSWAM Gender and Leadership training module for their usefulness in Blue Gold	WMG members of Blue Gold
5.	Review the module of LCS training social part, focusing on social and gender issues, including Anti- Harassment in coordination with C2	LCS Group
6.	Gender Awareness workshop to COs to equip them with skills and knowledge to raise gender awareness among communities/ WMG members as well as to identify steps and process focusing on women in the new polder and develop a module for them	COs of Blue Gold
7.	3 days mixed group Gender and Leadership training and module development	WMG members of Blue Gold
8.	1 day women's leadership training for new polder and module development (if situation demands)	WMG Women members and potential leaders
9.	1 day Gender orientation and awareness raising workshop and module development	BWDB (DP3), DAE (PD), DLS, DoF
10.	Maintain contacts with gender network	Gender Focal person and water alliance network
11.	Review Gender Action Plans in PDP of P22 and P43/2F and coordinate with C1 for GAPs of other polders	WMGs of Blue Gold
12.	Study tour, exchange visits for WMGs and also for other women, e.g. for learning sharing of economic activities, other projects, women leaders from Blue Gold will visit CDSP etc in coordination with the other component	WMG women leaders of Blue Gold
13.	Contribute to other component and training with gender input (either in module, or facilitating a gender session) Training Component Training in Component 3& 4	Blue Gold Staff, WMG, FFS, PFs

14.	To identify constraints / challenges for women to become an active WMG member and/or EC member or candidate and identify the solutions through Focus Group Discussion (FGD) and collecting case studies	WMG especially women members of Blue Gold
15.	Inclusion gender issues in Savings and Effective Investment / IGAs / Livelihood training/ Skill training (business development) for LCS members and C 4	WMG, FFS and LCS
16.	Updating the Gender Equity Action Plan (GEAP) of BWDB and workshop on presenting the update of GEAP	BWDB
17.	Liaise with M&E team to ensure gender disaggregated data e.g. in Quarterly Reports and follow-up on gender indicators	Blue Gold Staff
18. 18.	Improved Cooking Stoves (ICS) in particular focusing on mobilizing potential women beneficiaries through Zonal Teams by taking sessions	FFOs, PFs

4. Component 2: Water Resources Management

4.1 Six Year Polder Rehabilitation Plan

Table 4-1: Six Year Polder Rehabilitation Plan

Sl. No.	Batch	Name of Polders	No. of Polders	Implementation Years						Polder Type
				2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	
1	1	22, 30, 43/2D, 43/2F	4							IPS-FT
		Batch-1	4							
2	2	43/2A, 43/1A, 43/2B, 43/2B, 29	5							IPS-FT
3		26, 31-part	2							Rehab
4		Polder 2	1							Rehab

		Batch-2	8							
5	3	2 Rehab Polder	2							Rehab
6		6 New FT Polders	6							OTH-FT
		Batch-3	8							
7	4	6 New FT Polders	6							OTH-FT
		Batch-4	6							
		Total No. of Polders	26	4	12	20	22	15	6	

4.2 Main Achievements in 2014

Table 4-2: Achievements of Comp.2 in the year 2014

S.N.	Activities	Target up to Dec 2014	Achievement up to Dec 2014	Remarks
1	Polder Identification	2 nos.	2 nos.	55/2C, 55/1
2	Polder Selection	5 nos.	4 nos.	26, 31-part, 2 & 55/2C (1 expected in Dec, cum. total 13)
3	LCS Formation for 2014	76 nos.	70 nos.	22,30, 43/2D, 43/2F, 43/2A
4	LCS Training for 2014	70 nos.	64 nos.	22, 30, 43/2D, 43/2F,43/2A
5	Rehabilitation Works	125 M BDT	22 M BDT	Late fund placement; carried over to 2015
6	Draft PDP/PAP	4 polders	2 polders	22 & 43/2F.
7	Topographical Survey for 2015	8 polders	8 polders	29,26,31-part, 2, 43/2A, 43/2B, 43/2D,43/2E, 43/1A
8	Rehabilitation Plan for 2015	12 polders	12 polders	22, 30, 43/2D, 43/2F, 43/2A, 43/2E, 43/2B, 43/1A, 29, 26, 31-part & 2
9	Catchment Area Delineation & Needs Assessment	8 polders	8 polders	43/2A, 43/2E, 43/2B, 43/1A, 29, 26, 31-part & 2
10	Estimate Vetting for 2015	250 M BDT	150 M BDT	Remaining in January 2015 (100 M C/O from 2014, Total 350 M BDT)
11	LCS Formation for 2015	80 nos.	80 nos.	By 31 Dec 14
12	LCS Training for 2015	40 nos.	40 nos.	By 31 Dec 14
13	MAR Feasibility Study	1	1	Polder 22
14	Pump Drainage Feasibility Study	2	2	Polder 2 & 31-part
15	OFWM Pilot	1 (part)	1 (part)	Polder 30
16	GIS Portal Development	Part	Part	In progress
17	Reimbursement	16.5 M BDT	6.2 M BDT	

4.3 Work Plan 2015

Table 4-3: Annual Work Plan 2015 of Comp. 2

Sl. No.	Activities	Target up to Dec 2015	Remarks
1	Polder Identification	9 nos.	Fine Tuning polders
2	Polder Selection	7 nos.	Depending on actual rehabilitation cost
3	LCS Formation for 2015	70 nos.	Total 150 for 2015, 12 polders
4	LCS Training for 2015	110 nos.	Total 150 for 2015, 12 polders
5	Rehabilitation Works	350 M BDT	22,30,43/2D, 43/2F, 29, 26, 31-part, 2, 43/2A, 43/2E, 43/2B, 43/1A
6	Draft PDP/PAP	8 polders	To be selected (Total 12)
7	Topographical Survey for 2016	9 polders	To be selected
8	Rehabilitation Plan for 2016	20 polders	22, 30, 43/2D, 43/2F, 43/2A, 43/2E, 43/2B, 43/1A, 29, 26, 31-part & 2 + 8 more
9	Catchment Area Delineation & Needs Assessment	8 polders	To be selected
10	Estimate Vetting for 2016	600 M BDT	22, 30, 43/2D, 43/2F, 43/2A, 43/2E, 43/2B, 43/1A, 29, 26, 31-part & 2 + 4 more
11	Reimbursement	450 M BDT	
12	LCS Formation for 2016	80 nos.	By 31 Dec 15
13	LCS Training for 2016	40 nos.	By 31 Dec 15
14	MAR Pilot	1	Polder 22
15	Pump Drainage Pilot	2	Polder 2 & 31-part
16	CWM Pilot	1	Polder 30 (Done)
17	GIS Portal Development	Done	Will be in use
18	Hydro-morphological Study	1	Polder 29

4.4 Environment & DRR

The main responsibilities of Environment & DRR are:

1. Proper Environmental Management
2. Disaster Risk Reduction

4.4.1 Achievements in 2014

The main achievements of Environment and DRR are:

1. Supervised implementation of EIA studies in five polders
2. "Community Based Disaster Risk Reduction" (CBDRR) has been formulated for four IPSWAM polders
3. Collaborated with "Shushilan" for the training of DRR volunteers in Polder 22
4. Coordinated with Lokobetar (MMC) a community radio in Barguna, as they broadcasted Blue Gold Program's DRR related program called "Ghure Darai".

4.4.2 Work Plan 2015

No.	Plan for 2015
Proper Environmental Management	
1	Coordinate with different agencies and supervise seven (7) EIA studies for Blue Gold Program
2	Develop “Sustainable Environmental Management Plan” (SEMP) framework for next 5 IPSWAM polders
3	Conduct workshops at WMG level to use Improved Cooking Stove (ICS) and Follow up ICS implementation in cooperation with gender coordinator
4	Conduct workshops at WMA level on “SEMP” implementation
5	Conduct workshops at union level to build awareness
Disaster Risk Reduction	
1	Coordinate and follow up with the selected NGOs for outsourcing training of WMG volunteers on DRR
2	Follow up implementation of solar desalination panels and other renewable energy initiatives

5. Component 3: Food Security and Agricultural Production

5.1 Selected Statistics of Bangladesh

Source: IRRI, 2014	
Share of public funds allocated to fertilizer subsidies	5.3 %
Land Surface	147,570 km ²
Arable Land	8.5 million ha
Population	160 million
Incidence of stunting in children below 5 years of age	41%
Arable land per capita	0.05 ha
Decline in agricultural land between 2000 & 2010	0.45 % per year
Annual increase in population	1.4 %
Cropping intensity	1.91
Average farm size per household	0.63 ha
Proportion of farms < 2 ha	96 %
Total rice area	11.5 million ha
Total paddy rice production	50.6 million t
Average paddy rice yield	4.4 t/ha
Irrigated rice area	46% of total rice area
Share of rice in total cropped area	76%
Ranking by volume in rice producing nations	4
Average per capita annual income	1,044 USD
Employment in agriculture	48% of total labour

5.2 Main Achievements of 2014

The following is a summary of main accomplishments of Component 3 during calendar year 2014.

- Curriculum design workshop on modules poultry, livestock, fish, homestead vegetables and fruits, nutrition.
- Training of Trainers for FFS Organizers on FFS modules, facilitation skills, orientation value chains.
- MOU with DLS and with DOF were signed
- First FFS cycle with modules Poultry, Homestead garden (vegetables & fruits) and Nutrition was completed (Nov 2013 – Sept 2014)
 - 44 FFS in polders 22, 30, 43/2D, 43/2F
 - 1,100 Farmers (92% women)

- Second FFS cycle with modules Fish (mixed, seasonal ponds), Beef fattening and Nutrition was completed (Feb 2014 – Nov 2014)
 - 44 FFS in polders 22, 30, 43/2D, 43/2F
 - 1,100 Farmers (46% women)
- Third FFS Cycle with modules Poultry, Homestead garden (vegetables & fruits) and Nutrition started in September 2014 and will continue until March/April 2015
 - 88 FFS in polders 29, 30, 43/2A, 43/2D, 43/2E, 43/2F
 - 2,200 Farmers (89% women)
- 44 field days Cycle 1, Poultry, Homestead garden and Nutrition were completed in Sept 2014
 - Total 6,541 visitors (65% women)
- 44 field days Cycle 2, Beef fattening were completed in September 2014
 - Total 4,304 visitors (54% women)
- 44 field days Cycle 2, Fish and Nutrition were completed in November 2014
- Promotion of Drumstick (Moringa) in Patuakhali was started and will be continued in 2015
 - In 2014 involved 600 FFS farmers in polders 43/2D and 43/2F
- Polder level trials and field days were completed in polders 22, 30, 43/2D, 43/2F
 - Beef fattening (completed Sept 2014)
 - Fodder crops (completed Sept 2014)
 - Mixed fish pond (completed Nov 2014)
- Mini ponds innovation trial in Polder 22 was started with 25 farmers in June 2014 and will continue until April 2015
 - Small ponds were stocked with fish during T.Aman season, to store water for water melon cultivation during Rabi season.
- Participatory research on women managed small household ponds using innovation fund, is being implemented by WorldFish since April 2014 and will continue until April 2015.
 - 4 locations in Khulna, with 60 households
- Sugar beet innovation trial testing 5 sugar beet varieties and 1 fodder variety is ongoing since October 2014 on 2 trial locations in Polder 29 and will continue until April 2015.
- Training Community Animal Health Workers
- Curriculum workshop to develop training curricula for Community Animal Health Workers (CAHW) and Community Poultry Workers (CPW) was organized in collaboration with DLS
- 5-day training for 20 Poultry Workers is scheduled for December 2014
- 10-day training for 20 Livestock CAHWs (December)
- 10 Producer Groups Facilitators (PF) were recruited and will receive 10-day training in December 2014 on organizing Market Oriented FFS in Sesame (Khulna) and Mung bean (Patuakhali)
- Draft curricula for sesame and mung bean MFS were developed

Progress reported by DAE until 30 June 2014

- Season-long TOT for 25 AEOs and 25 SAAOs from January-July 2014
- 45 FFS in Boro rice in 25 Upazilas
- 125 demos in 25 Upazilas
- 3 trainings for tag SAAO
- 2 trainings for FFS monitors
- Technology selection workshop
- Awareness workshop

DAE activities ongoing in second half of 2014

- 75 FFS T.Aman rice (50 within 10 Blue Gold polders)
- 16 Demos summer tomatoes






















5.3 Work Plan 2015

5.3.1 Annual Work Plan 2015 of Comp. 3 for DAE

ID	Task Name	Notes	er	1st Quarter				2nd Quarter			3rd Quarter			4th Quarter			1st Q
				Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
1	50 FFS Boro/Rabi 2015	Boro rice and Rabi crops (e.g. sesame, mung bean) in 10 Upazilas. In WMGs of 12 selected Blue Gold polders (8															
2	Provide budget and materials																
3	Run 50 FFS																
4	Organize 50 fielddays																
5	60 Demonstration- trials	Exact timing of demos depends on topic. All in 12 selected Blue Gold polders (in 8 Upazilas) or in															
6	2 demos floating vegetables	Patuakhali Sadar															
7	2 demos vegetable cultivation on dykes of gher	Patuakhali Sadar															
8	4 demos cut flower (Gladiolas)	Dumuria, Kalaroa															
9	2 demos cut flower (Chrysanthemum)	Dumuria															
10	5 demos mushroom cultivation	Patuakhali Sadar, Kalapara, Batiaghata, Dumuria, Shatkira Sadar															
11	8 demos summer tomato	Patuakhali Sadar, Galachipa, Amtali, Batiaghata, Dumuria, Paikgacha, Shatkira Sadar, Asasuni															
12	7 demos management coconut pests	Patuakhali Sadar, Galachipa, Kalapara, Amtali, Batiaghata, Paikgacha, Asasuni															
13	3 demos drumstick (Moringa) cultivation	Batiagacha, Paikgacha, Asasuni															
14	4 demos water melon	Galachipa, Paikgacha															
15	5 demos maize varieties	Galachipa, Batiagatha, Dumuria, Shatkira Sadar, Kalaroa															
16	4 demos sunflower	Kalapara, Amtali, Asasuni															
17	6 demos sesame varieties (black seed)	Batiagacha, Dumuria, Paikgacha, Shatkira Sadar, Kalaroa, Asasuni															

ID	Task Name	Notes	er	1st Quarter				2nd Quarter			3rd Quarter			4th Quarter			1st Q
				Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
18	4 demos mung bean varieties	Patuakhali Sadar, Galachipa, Kalapara, Amtali															
19	4 demos sweet potato	Patuakhali Sadar, Kalapara, Dumuria, Asasuni															
20	Farmer Trainers TOT	TOT for 50 FFS graduates from 12 selected Blue Gold polders.															
21	Select participants FT TOT																
22	Prepare fields for training	At Horticulture Center Khulna															
23	Run TOT	50 participants are trained in 2 groups. 20 days training each.															
24	Support 40 Farmer Organizations	For 40 successful FFSs that have formed farmer organizations															
25	Develop criteria to select FFS																
26	Select succesfull FFS																
27	Provide support																
28	Motivational tours	1-day group visits to example farmers.															
29	8 Motivational tours for farmers	Tentative timing. Location of visits to be decided later.															
30	x? Motivational tours for farmers	More motivational tours may be planned later during second half 2015.															
31	Technical training DAE facilitators	DAE FFS facilitators to be trained on selected technical topics such as sesame and mung bean, using the DPP															
32	Conduct training (1-2 days)	Tentative timing.															
33	Conduct training (1-2 days)	Tentative timing.															
34	Conduct training (? days)	More technical training may be planned during second half 2015.															

ID	Task Name	Notes	er	1st Quarter				2nd Quarter			3rd Quarter			4th Quarter			1st Q
				Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
35	Conduct training (? days)																
36	50 (?) FFS T.Aman 2015	Number FFS depends on available capacity (season-long trained facilitators) in BG area.															
37	Provide budget and materials																
38	Run 50 (?) FFS																
39	Organize 50 (?) fielddays																
40	50 apprentice Farmer Trainers	50 FTs run FFS as FT apprentice in ongoing T.Aman FFS, together with experienced Departmental Facilitators in															
41	50 FTs as FT apprentice in T.Aman FFS																
42	50 (?) Demonstration- trials	Second half of 2015. Number demos to be decided later. Topics to be decided later.															
43	50? Demos																
44	50? Field days related to the demos																
45	Review and Planning workshops	At end of each FFS season															
46	Review and Planning workshop	End of Boro/Rabi season workshop															
47	Review and Planning workshop	End of T.Aman season workshop															
48	Technology selection workshops	Topic to be decided.															
49	Prepare for workshop																
50	Technology selection workshops	Tentative timing.															
51	Farmers Fair																

ID	Task Name	Notes	er	1st Quarter				2nd Quarter			3rd Quarter			4th Quarter			1st Q
				Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
52	Prepare for Farmers Fair																
53	Farmers Fair																
54	50 (?) FFS Boro/Rabi 2016																
55	Provide budget and materials																
Project: Blue Gold Component 3 - Date: Wed 26-11-14		Task		Inactive Task		Start-only											
		Split		Inactive Milestone		Finish-only											
		Milestone		Inactive Summary		Manual Task											
		Summary		Manual Task		Manual Task											
		Project Summary		Manual Task		Manual Task											
		External Tasks		Manual Task		Manual Task											
		External Milestone		Manual Task		Manual Task											

5.3.2 Annual Work Plan 2015 of Comp. 3 for TA

ID	Task Name	Notes	1st Quarter				2nd Quarter			3rd Quarter			4th Quarter			1st Q
			Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
17	First cycle FFS															
21	FFS follow-up workshop Khulna	Attended by 20 FFS contact persons.			I											
22	FFS follow-up workshop Patuakhali	Attended by 24 FFS contact persons.			I											
31	Second cycle FFS															
35	FFS follow-up workshop Khulna	Attended by 20 FFS contact persons.			I											
36	FFS follow-up workshop Patuakhali	Attended by 24 FFS contact persons.			I											
45	Third cycle FFS															
46	Run 88 FFS vegetable poultry nutrition															
47	Organize 88 fielddays															
48	FFS follow-up workshop Khulna	20 participants											I			
49	FFS follow-up workshop Khulna	20 participants											I			
50	FFS follow-up workshop Patuakhali	24 participants											I			
51	FFS follow-up workshop Patuakhali	24 participants											I			
57	Fourth cycle FFS															
58	Run 40 FFS summer vegetable poultry nutrition in Khulna															
59	Organize 40 field days															
60	Fifth cycle FFS															

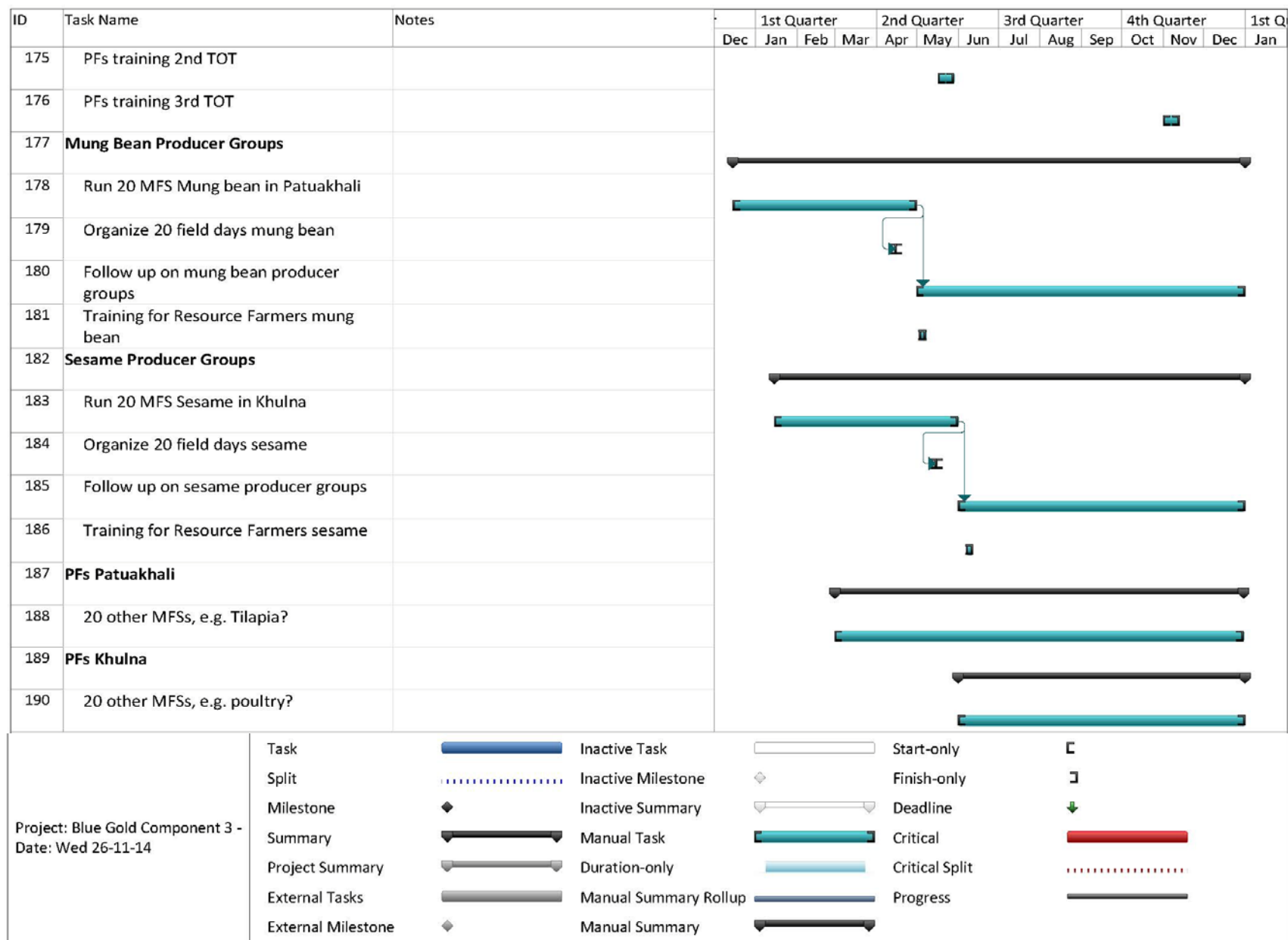
ID	Task Name	Notes	1st Quarter				2nd Quarter			3rd Quarter			4th Quarter			1st Q
			Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
61	Run 44 FFS Fish (Tilapia) summer vegetable nutrition in Patuakhali															
62	Organize 44 field days															
63	FFS Organizers 5th TOT (review curricula of FFS modules)	Topics and exact timing to be decided later.														
64	Prepare for TOT															
65	Conduct training															
66	Sixth cycle FFS															
67	Run 88 FFS winter vegetable poultry nutrition															
69	Polder level trials with field days															
70	6 Polder level trials Summer tomato and other vegetables with field days															
71	6 Polder level trials Fodder crops with field days															
72	6 Polder level trials rice-fish cultivation with field days	Khulna only. Polders 22, 29, 30.														
82	Community Animal Health Workers (CAHW)															
86	Train 20 CAHWs of 9 IPSWAM polders															
87	Provide materials and mobilize CAHWs															
88	Report on CAHWs training															
89	CPWs and CAHWs															

ID	Task Name	Notes	1st Quarter				2nd Quarter			3rd Quarter			4th Quarter			1st Q
			Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
90	Follow up CAHWs and CPWs															
91	Pilot use of poultry vaccination cards															
93	New CPWs and CAHWs pilot use of cards															
94	Evaluate use of card and prepare report															
95	Polder development plans															
96	Gather agricultural information															
97	Work with C1, C2 and C4 to develop PDPs															
105	PAR small HH ponds (WorldFish)															
107	Conduct participatory action research program on small HH ponds															
108	Reporting															
109	Minipond innovation trial polder 22															
115	Conduct minipond trial (Rice, Fish, Water melon)															
116	Field day minipond trial															
117	Reporting on minipond trial															
118	Sugar beet innovation															
121	Conduct sugar beet field trials															

ID	Task Name	Notes	1st Quarter				2nd Quarter			3rd Quarter			4th Quarter			1st Q
			Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
122	Field day sugar beet															
123	Sugar beet post harvest trials (drying, processing)															
124	Sugar beet as fodder trials (Silage, dried, etc.)															
125	Evaluate sugar beet finding FFS farmers															
126	Sugar beet report															
127	Planning for next sugar beet season															
128	Sugar beet trials 2015-16 season?															
129	BAU innovation activity?															
131	Finalize concept note and get approval?															
132	Sign contract with BAU?															
133	Implement activities?															
134	Moringa introduction in Patuakhali															
137	Distribute cutting to Cycle 6 FFS participants															
138	Provide cuttings to local nursery for rooting															
139	Distribute rooted cutting to FFS participants															
140	Evaluate and report															
141	Sheep innovation program?															

ID	Task Name	Notes	1st Quarter				2nd Quarter			3rd Quarter			4th Quarter			1st Q
			Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
142	Prepare concept note sheep innovation plan with DLS															
143	Approval of plan?															
144	Implement plan?															
145	Fish nurseries															
147	Selection of participants for nurseries training															
148	Prepare training for nurseries training															
149	Training on nurseries management															
150	Community based fish culture															
151	Prepare plan for community fish culture (1 Patuakhali, 1 Khuna) together with DOF															
152	Implement community fish culture Khulna and Patuakhali with DOF															
153	Fish sanctuary development															
154	Prepare plan for sanctuary development (1 Patuakhali, 1 Khuna) together with DOF															
155	Implement fish sanctuary development Khulna and Patuakhali with DOF															
156	Workshops sluice gate operation															

ID	Task Name	Notes	1st Quarter				2nd Quarter			3rd Quarter			4th Quarter			1st Q
			Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
157	Prepare plans for workshops/meetings on sluice gate operation (together with C1, C2)															
158	Implement x (?) workshops/meetings with WMGs (or TRGs?) before monsoon season															
159	Exchange visits farmers															
160	Exchange visits fish															
161	Exchange visits fish															
162	Exchange visits vegetables fruits															
163	Exchange visits vegetables fruits															
164	Exchange visits poultry livestock															
165	Exchange visits poultry livestock															
166	Possible innovation activities to start in 2015	Topics and ideas to be further developed														
167	Pearl cultivation?	First report on sweet water pearls is under preparation														
168	Quails as innovation?															
169	Hydroponics/aquaponics as innovation?															
170	Simple greenhouses as innovation?															
172	Producer Group Facilitators (PF)															



6. Component 4: Business Development and Private Sector Involvement

6.1 Achievements of 2014

The Business Development Component of the Blue Gold program is working to enhance household income of polder dwellers from agricultural production by facilitating business activities and employment through market orientation and private sector development. The specific objectives of this component are to ensure:

- Farmers are more market oriented
- Better linkages in terms of inputs, processing and marketing
- Businesses are started or have higher incomes
- More employment is generated

Business development in Blue Gold is pursued by a two-pronged approach which seeks linkages wherever possible. The first approach is Value Chain Development and the second is the strengthening of Water Management Organisations.

1. Value Chain Development

Value Chain Development consists of three steps, namely Value Chain Selection, Value Chain Analysis, and Value Chain Development (implementation).

In 2014, Value Chain Selection (VCS) was completed in Polders 22, 30, 43/2D & 43/2F as contribution to the Polder Development Plans. In addition, the preparatory work has been completed for Polders 29 and 43/2a. For this purpose a comprehensive VCS matrix was developed for unbiased selection of VCs for each polder. A first group of value chains including Sesame, Mung bean, Poultry and Tilapia were selected for VCD work.

Upon completion of the PDP for Polder 22 and 43/2F the value chain analyses (VCA) for Sesame and Mung Bean were undertaken and completed. Additional information was collected about actors and constraints to identify, design and assess interventions to make those VCs more efficient. The results have allowed the design and development of the first Market Oriented Farmer Field Schools (MFS) Programmes for which 10 Producer Group Facilitators (PF) were employed and trained. In total 40 MFS producer groups of 25 farmers each will pursue the development of the sesame and mung bean value chains in respectively Polders 22 and 30, and Polders 43/2D and 43/2F from January 2015 onwards.

As there is no proper agricultural financing available in the polders, we worked with BRAC to assess the potential to increase the outreach of their BCUP programme. By the end of the year 2014 BRAC BCUP was closely working together with the WMG's to make more appropriate finance accessible in the Blue Gold area.

2. WMO Strengthening Activities

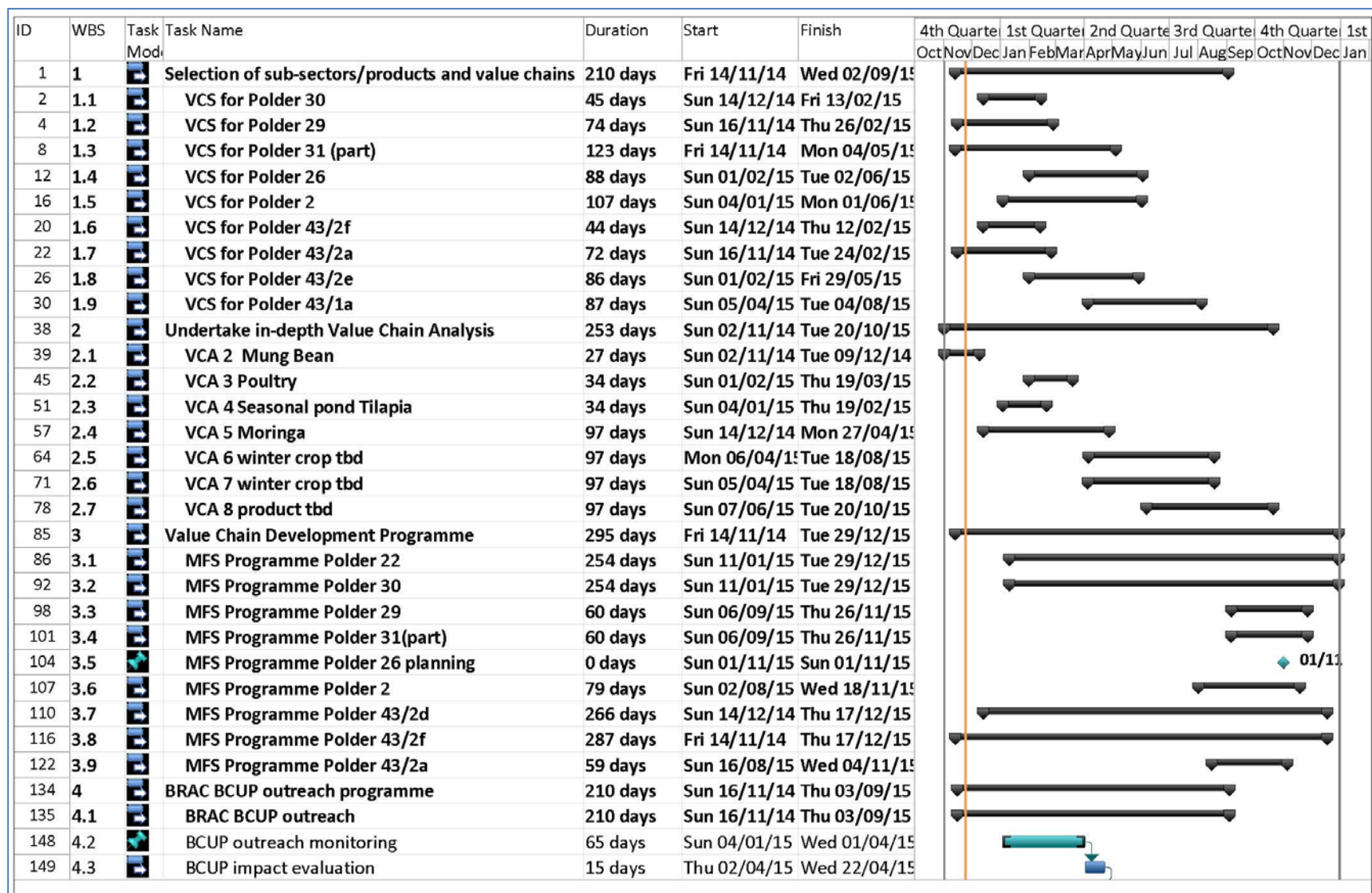
The Business Development Component aims to build the capacity in WMO's to deliver services to their members. The distribution of Machinery by FAO became the subject of a training programme. The training was developed to bring the ownership and management of the machinery under proper control of the WMG and to ensure the proper bookkeeping thereof. After piloting it during 2014 the programme is being outsourced to be rolled out over 137 WMGs from early 2015 onwards.

The need assessments of WMO prompted this component to develop other training modules related to their savings and credit functions and their members IGA aspirations.

3. Capacity Development (CO, FO, DAE, Stakeholders)

Being a programme with many stakeholders oriented towards water resource management, there is a general lack of understanding of the aims and process of value chain development. Several orientation sessions were held for external stakeholders. In addition a training programme was developed on Value Chain Development and Business Idea Generation, and training given to staff members who were envisaged to be resource persons in Value Chain Development and WMO strengthening activities.

6.2 Work Plan 2015



Euroconsult Mott MacDonald

6.3 Strategies Work Plan 2015

As presented in the Inception Report the primary approach is Value Chain Development which we implement through three steps, namely: Value Chain Selection, Value Chain Analysis and Value Chain Development (implementation). In light of the resource constraints Component 3 and 4 have developed the Market Oriented Field School programme (MFS). This programme integrates the technical production and market orientation aspects of value chain development with a focus on the lower part of the value chains as recommended by the first Annual Review Mission.

Value Chain Development (Work Breakdown Structure WBS 1)

Value Chain Selection

We will finalise the selection of the key sub-sector or value chains of Polders 29 & 43/2a prepared in 2014 and proceed with the identification and selection of those in Polders 31(part), 26, 2, 43/2e, 43/1a, and 43/2b. Upon individual completion, we will subsequently contribute to the Polder Development Plans for all these Polders, along with these of Polder 30 and 43/2D.

Value Chain Analysis (WBS 2)

In the first half of the year we will complete the value chain analyses for Poultry and Tilapia in seasonal ponds. These will serve the respective MFS in Polders 22 & 30 and Polders 43/2d & 43/2f. We will start and finalise the value chain analyses for the main WRM related crops/products for the remaining Polders 29, 43/2a, 31(part), 26, 2, 43/2e, 43/1a, and 43/2b (robi) and for their secondary product (other season). In addition we will undertake value chain analysis through studies for innovative products, e.g. Moringa, for the first batch of Polders 22, 30, 43/2d and 43/2f. By year end we will have completed or nearly completed the Value Chain Analyses of eight crops/products.

Value Chain Development (implementation) (WBS 3)

The first MFS programme for Sesame / Poultry will be implemented in Polders 22 and 30, and for Mung bean / seasonal pond Tilapia in Polders 43/2d and 43/2f. Upon completion of the PDP the preparation of an extension of this MFS programme for 2016 will be completed for 2 polders each in Khulna and Patuakhali. In addition an MFS programme will be developed for 2016 in Polder 2 in Satkhira. Products still have to be determined on the basis of the PDP and sub-sequent VCA.

Closely linked are our efforts to support an expansion of the outreach of BRAC's BCUP programme (WBS 4). We are still positive to ensure the reach out across the 12 Polders -at least <10 km, and possibly to the areas >10km <20km.

WMO Strengthening (WBS 5)

The capacity strengthening of the WMOs focuses at three levels. The Management of Agricultural Machinery (MAM) training will be conducted at the 137 WMG that received FAO Machinery. It consists of two parts. The first part creates awareness of the potential of this collectively owned asset amongst the members of the WMG. The second part aims at ensuring proper operational management and bookkeeping for this Mechanisation Service.

Considering many WMG have initiated a Savings and Credit function 242 WMG will be trained on Savings and Credit Function Management. This will also include a second part to ensure proper bookkeeping of this WMG function.

Finally, the training of the interested members of 242 WMG on Basic IGA management will be undertaken in 2015.

(WBS 6) MFS Capacity Development Programme consists of a series of trainings that support our MFS programme. These trainings are part and parcel of the preparation and implementation of the MFS programme. The first focuses on properly preparing our Producer Group Facilitators, the second aims at the potential role and responsibilities which the Resource Farmers could develop and the third will support

other local actors in the value chain, e.g. input providers and collectors. This programme will be further complemented by Business Planning support wherever any of the MFS PG programmes and/or WMO strengthening programmes identify or provide opportunities for collective action.

7. Training and Capacity Building

7.1 Achievements of 2014

Blue Gold Program Orientation							
SL #	Name of course	Participants	Male	Female	Total	Batches	Remarks
1	Blue Gold Orientation for BWDB & DAE Officials (Khulna District)	DAE Officials	79	9	88	1	
2	Blue Gold Orientation for UP Representatives	UP Representatives, BWDB, WMA, DAE, DLS and DoF officials	198	54	252	14	
		Total	277	63	340	15	
Staff Development Training							
1	ToT on Water Management Organizations for Community Organizers	Community Organizers	26	24	50	2	
2	TOT Introductory, Poultry, Nutrition, and Homestead Garden Modules	FFS Organizers	11	11	22	1	
3	ToT on Construction Management for LCS	BWDB, BG staff Patuakhali & Khulna	30	31	61	2	
4	Value Chain & Efficient Management of Agricultural Machineries	Community Organizers	26	24	50	2	
5	ToT on Construction Monitoring & Quality Control	BWDB & BG Staff -Khulna & Patuakhali	34	9	43	2	
6	Trail training on Business Idea Generation Curriculum	C-3 & 4 staff – Khulna & Patuakhali	17	1	18	1	
7	ToT on ODK Software Programming Based On Outcome Progress Markers	M&E staff Dhaka, Khulna, Patuakhali	8	0	8	3	

8	Data collection through the Outcome Progress marker by Using Tablet	Community Organizers	26	24	50	2	
9	ToT on ODK Software Programming Based On Outcome Progress Markers by using Tablet	FFSO, Khulna & Patuakhali	11	11	22	1	
Total			189	135	324	16	
Workshops							
1	Blue Gold Retreat 2013	BG National & International staff	45	14	59	1	
2	Blue Gold Inception Presentation	BWDB, DAE, Blue Gold staff	143	15	158	1	
3	Curriculum Development Workshop (Introductory, Poultry, Nutrition, and Homestead Garden Modules)	DLS, DAE, BG, BARI, IFMC, SCDP, Spring Project	23	2	25	1	
4	VC Curriculum Development Workshop	Blue Gold Staff of Khulna and Patuakhali	11	1	12	1	
5	PDP workshop	BWDB and BG Dhaka staffs	48	14	62	2	
6	First Annual Review Mission	BWDB, BG Dhaka staffs and Review Mission team	26	4	30	1	
7	Workshop on Organizational management Training Module	External training team and Blue Gold Staff	13	4	17	1	
8	Building a Sustainable Foundation for Blue Gold Program	Blue Gold International and National staff	14	7	21	1	
9	Consultation workshop on WMO selection process	BWDB and Blue Gold staff	21	6	27	1	
10	Annul Planning Day 2014	BWDB, DAE, BG Dhaka staffs & district Coordinators	25	9	34	1	
11	Trail training on Business Idea Generation Curriculum	BG Dhaka Staff and Consultant	17	1	18	1	
Total			386	77	463	12	
Training for Water Management Groups							
1	Construction Management for LCS	LCS Member	1870	1660	3530	114	
2	Construction	WMO Monitoring	64	18	82	3	

	Monitoring & Quality Control	Committee					
3	Organizational Management	WMG , Potential leader, UP	572	380	952	28	
4	Pilot Training on Efficient Use of Agri.-machinery	WMG	26	23	49	2	
5	Business Idea Generation Curriculum (Module)	FFS	36	31	67	2	
Total			2568	2112	4680	149	

Production of Resource Materials

Comp onent	Description of items	Type	Participants	Remarks
C-2	Construction Management for LCS (01 day)	Training Module	LCS Members	
C-2	Construction Management & Quality Control (01 day)	Training Module	WMA Monitoring Team	
C-1	Water Management Organizations (12 days)	Training Module (draft)	Community Organizers	
C-1	Organizational Management (03 days)	Training Module	WMG EC Members & UP representatives	
Total Module = 4				

7.2 Annual Plan 2015

SL no.	Name of the Activities	Number of Batches	Target Group	Year - 2015												Remarks
				Ja n	Fe b	Ma r	Ap ri	Ma y	Ju n	Jul y	Au g	Se p	Oc t	No v	De c	
	Component -1															
1	Organizational Management Training	120 batches	WMG	x	x	x	x									
2	Gender and Leadership Training	148 batches	WMG					x	x	x	x	x	x	x	x	
3	Financial Management Training	148 batches	WMG	x	x	x	x	x	x	x	x	x	x	x	x	
4	Resource Mobilization Training		WMG													To be planned
5	Workshop on Innovative Approaches for Resource Mobilization		WMG													To be planned
6	Orientation on Blue Gold and Community Mobilization Activities	02 batch	Local Facilitator				x									
7	Polder Development Planning															To be planned
	Component -2															
8	Orientation on Blue Gold Construction Management and Blue Gold Program policy	150 batch	LCS members	x	x	x										
9	Training on Design of Water Management Infrastructure	01 batch	BWDB & BG staff									x				By outside organization
10	Training on Monitoring of Quality Control and Construction Works	12 batch	WMA,UP & LCS member		x	x										
11	Orientation on Blue Gold MIS and GIS	01 batch	BWDB								x					
12	Training on Operation and Maintenance of water infrastructures	24 batch	WMG & WMA									x	x	x	x	
13	Practical Training for Gate Operators	24 batch	Gate Operator												x	x
14	Field training on innovation technology	(--)	WMO													To be planned

Component -3																
																Training plan is prepared by C-3
Component- 4																
																Training plan prepared by C-4
Gender Training																
15	Gender Orientation and Awareness Raising	01 batch	BWDB, DAE & Blue Gold			x										
16	Savings and Effective Investment/ IGAs/Livelihood Training for LCS Members	150 batch	LCS	x	x											
17	Gender Action Plan (part of the Polder Development)	(--)	WMG													Follows C-1 plan
18	Workshop on BWDB Gender Equity Strategy	01 batch	BWDB					x								
19	Exchange visit to other Polders and Projects/organizations	12 batch	WMG							x	x					
Project Management																
20	Orientation on Disaster Risk Management (DRM) and Climate Change Adaptation	02 batch	BWDB, DAE & Blue Gold	x	x	x										
21	Disaster Risk Preparedness Training for Community Disaster Management Volunteers	(--)	WMA & UDMC	x	x	x	x	x	x							
22	Blue Gold Orientation for Union Parishad	15 batch	UP	x	x	x	x									
23	Joint Planning Workshop with UP	20 batch	UP & WMA	x	x	x										
24	Training on Participatory Water Management	03 batch	UP & WMA									x	x	x		

25	ODK Software Programming Based On Outcome Progress Markers (refresher)	04 batch	CO & FFS									x	x			
26	Training on Participatory Monitoring system	16 batch	BWDB, DAE & WMO						x	x	x					
27	Training on Occupational Safety & Health Hazards	01 batch	BWDB, DAE & Blue Gold					x								
28	Review and Planning Workshops	01 batch	Blue Gold													
29	Good Governance in Water Management		BWDB, DAE & WMO							x	x	x				BAWIN
30	Workshop on Institutional Issues in Water Management	01 batch	BWDB													
31	Exchange visit to successful WMGs		WMA													
32	Blue Gold Reimbursement System	01 batch	BWDB & Blue Gold staff	x	x											
33	Staff Development Training	08 batch	BWDB & Blue Gold staff			x			x			x			x	
34	Orientation on Blue Gold Information and Strategy	01 batch	BWDB, Blue Gold					x								
35	Motorcycle training		CO & FFS	x	x						x	x	x			
36	Blue Gold Retreat 2015	01 batch	Blue Gold		x											
37	Annual planning day	01 batch	Blue Gold-HQ												x	
38	ToT for Training Resource Group (TRG) Members	12 batch	TRG Member							x	x	x	x	x	x	
39	Study Tour						x	x				x	x			
40	Experience sharing/cross visit				x	x	x	x	x	x	x	x	x	x	x	To be selected

8. Monitoring & Evaluation

8.1 Achievements of 2014

Table 8-1: Achievements of Output Monitoring in 2014

No.	Planned Key Activities	Progress
1.	Revised/new Output Indicators of Blue Gold Logical Framework (LFW) and incorporated in Output Monitoring	Completed
2.	Output Monitoring Datasheets for Component 1-4	Completed
3.	Environmental Output Monitoring Datasheet	Completed
4.	Training and Capacity Output Monitoring Datasheet	Completed (draft)
5.	Institutional Strengthening Output Monitoring Datasheet	Completed

Table 8-2: Achievements of Outcome Mapping (Monitoring) in 2014

No.	Planned Key Activities	Progress
1.	Revised Outcome Indicators of Blue Gold Logical Framework (LFW) and incorporated in Outcome Monitoring progress Markers	Completed
2.	Refined the Outcome progress markers scoring sheets of the four boundary partners	Completed
3.	The progress markers scoring criteria of the boundary partners were tested by the M&E team at the field level in Patuakhali and Khulna with the respective contact persons/MMGs.	Completed
4.	Methods for data collection, data interpretation and data presentation, based on outcome progress markers of the boundary partners, were developed to start implementing outcome mapping activities in the two Districts.	Completed
5.	Advance Training provided to Blue Gold M&E Team on ODK software/programming and IT, conducted by Mott MacDonald	Completed
6.	Developed ODK software (OpenDataKit) by M&E team based on Progress Markers scoring sheets of the boundary partners	Completed
7.	Field tested ODK software and use of tablets for collecting data for outcome monitoring (all boundary partners: BWDB, WMG, DAE, UP)	Completed
8.	Training on ODK operation by using tablet for Blue Gold Staff (COs & FOs) in both Khulna and Patuakhali	Completed

Table 8-3: Achievement of Blue Gold Socio Economic Baseline Survey in 2014

No.	Planned Key Activities	Progress
1.	Provided 10 days training to Enumerators (20) and Supervisors (5) on content of questionnaire and Tablet operation using ODK software, conducted by Mott MacDonald	Completed
2.	Lessons learned sharing meeting: the Mott MacDonald team introduced the Open Data Kit (ODK) software and WALTON tablets and explained the positive and negative experiences of Tablets operation on the basis of Socioeconomic Baseline Survey.	Completed
3.	Completed data collection from total sampled 1401 households (Patuakhali- 800 households &	Completed

	Khulna- 601 households)	
4.	Data aggregation, process and analysis	Draft completed
5.	Final Report of Socio Economic Baseline Survey	On Going

8.2 Work Plan 2015

Table 8-4: Annual Work Plan 2015 of M&E

No.	M&E Activities	Time Frame	Responsible Person/s
1.	Output monitoring summary report, based on component reports, followed by output indicators of logical framework	Quarterly	M&E Expert
2.	Implementation of the Outcome Mapping Monitoring Plan	Semi-Annual	M&E Team
3.	Outcome Mapping Monitoring Report, followed by progress markers of the boundary partners	Semi-Annual	M&E Expert
4.	Socio Economic Baseline Survey for selected 3 new Polders (Polder No. 26, 31 (part) in Khulna, Polder No. 2 in Satkhira)	February – June 2015	Mott MacDonald Dhaka and Blue Gold M&E Team
5.	Participatory Tools development for conducting Participatory Monitoring by WMA	March-June 2015	M&E Team & Comp 1 staff
6.	Provide training to WMA Executive members on how to implement participatory approach	June 2015	M&E Team
7.	Implementation of the WMA Participatory Monitoring	July 2015 (implemented twice a year)	WMA Executive members, follow up and monitor by M&E Team

9. Communication & Institutional Development

9.1 Communication

9.1.1 Achievements in 2014

Sl.#	Name of activity/training course	Progress (%)	Remarks
1	Developing communication strategy for WMOs: Posters, leaflets, audio-visual, community radio, popular theatre	60	Toolkit will be developed on the basis of communication strategy, which is yet to be developed
2	Developing stakeholder engagement plan together with the M&E team	100	
4.	Implementing stakeholder engagement plan and external relations in cooperation with components	100	
5	Reviewing Blue Gold leaflet in English and Bengali	70	English brochure is yet to be finalized.
6	Documenting events through photographing	100	
7	Reorganizing and digitalization of project library	80	Ready to be uploaded online
8	Developing project website including extranet	80	Extranet is yet to be established
9	Safeguarding production of Blue Gold Program Reports and External events in correct way	100	
10	Producing visibility items, such as a yearly calendar, greetings card, bag etc	100	

9.1.2 Work Plan 2015

Sl.#	Name of Activity	From (month)	To (Month)	Remarks
2.	Introduction Video	January		
3.	Evaluation of Community Radio pilot program	January	February	
4.	Regular Radio program	March	December	Depends on the findings of pilot program and other components supply of content.
5.	Blue Gold Mela (Fair)	January	February	
6.	Documenting success stories in video, print and online	Throughout the year		
7.	Workshop on communication strategy	April		
8.	Content development for web	Throughout the year		
9	Developing content for ICT communication materials	Throughout the year		Depends on how ICT is used as

			communication tool.
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9.2 Stakeholders Engagement Plans 2015

Table 9-1: Component 1 Stakeholder Engagement Plan 2015

Organisation	Related Project/ Programme	Potential for collaboration
WorldFish, IRRI, CIMMYT and IWMI. Together in CGIAR	<ul style="list-style-type: none"> Challenge Programme on Water and Food (CPWF) Ganges Basin Dev. Challenges (GBDC) Cereal System Initiative for South Asia (CSISA) 	CPWP and GBDC programmes include: adoption of improved varieties / species and cropping system intensification to meet country's future food security requirement; and major reforms in institutional coordination and water governance mechanism. CSISA program focuses on: validation, adaptation, and deployment of improved varieties and crop management technologies In 2015, Blue Gold will develop with IRRI and the CGIAR consortium a joint pilot on on-farm-water management (OFWM).
FAO	Enhancing Food Security through Improved Crop Water Management Practices in the Southern Coastal Areas of Bangladesh (GCP/BGD/050/NET)	FAO has distributed sets of farm machineries, seeds and tree saplings to selected WMGs in Khulna and Patuakhali (and in Narail). Blue Gold and the FAO project collaborate in developing business plans for proper use and management of the machinery (tillers, threshers and low lift pumps).
BWDB	Char Development and Settlement Project Phase IV (CDSP IV)	CDSP IV in Noakhali District is implementing similar initiatives on water management, food security, and WMO formation. Experiences and lessons learned may be applied in Blue Gold and exchange visits will be organised between the two projects.
BWDB	SWAIWRPMP (Southwest Project); ADB and GoN funded	The Southwest project is implementing similar initiatives on water management, food security, business development and formation of Water Management Cooperative Societies (WMCS). Experiences and lessons learned may be applied in Blue Gold. Exchange Visits of WMOs are planned in this Project
BARD	Director training	Exchange Visits for WMOs related to IGA management and women leadership are planned in BARD areas.

Table 9-2: Component 2 Stakeholder Engagement Plan 2015

Organisation	Related Project/ Programme	Contact made	Potential for collaboration
Nelen & Schuurmans	GIS Company in the Netherland	Bastiaan Roos, GIS Expert	Setting up web-based GIS for Blue Gold program
IRRI, IWM		Monoronjan Mandal, Zahir Uddin.	Pilot project on sub-poldering and on-farm water management.

Dhaka University, Acacia Water,	MAR Project	Dr. Matin, Albert Tuinhof, Sieger Burger, Prof. Sarmin	Potential cooperation in Managed Aquifer Recharge for irrigation water supply.
Concern Universal	Different programs on Food Security, Livelihood, DRR and Cash for Work	Cornelis De Wolf, Country Director; Md. Abdul Hamid, Head Organizational Dev. & Education.	Potential cooperation in drainage improvement, earthwork for cash, livelihood improvement and DRR
Deltares, The Netherlands	Innovative water mManagement like pumped drainage	Toine Vergroesen, Hydrologist	Potential cooperation for pumped drainage in polder 2, Satkhira and polder 31-part, Khulna

9.3 Institutional Strengthening

9.3.1 Achievements in 2014

Table 9-3: Annual Work Plan 2015 of Institutional Development

No.	Planned Key Activity	Completion Schedule
1	Updating of the key Stakeholders Action Plan	Quarterly
2	Asses Institutional Setting of polders and facilitate for preparation of Polder Development Plan (Institutional Strengthen part) for polders	January – December 2015
3	Facilitate for preparation of Polder Action Plan (Institutional Strengthen part) for Blue Gold polders.	Continues
4	Streamlining and supporting the WMO registration procedure and auditing of WMO's by BWDB along with Component-1.	January – December 2015
5	Development and strengthening of linkages with NGO's and private sector organizations, projects, organizations and networks.	Continues
6	Follow up on establishment of Central and Zonal team of BWDB as per DPP	January - December 2015
7	Preparation of Guidelines/Policy document on establishment of effective linkage among BWDB, UP and WMO with assistance from the International Local Governance Consultant.	February-June 2015
8	Facilitate to organize Project Orientation for Union Parishad (UP)	Continues
9	Facilitate to prepare joint work plan on cooperation between WMG's and UP representatives through participatory workshops with Comp-1 and Training Expert.	Continues
10	Review and follow up of BWDB staff strength at Central and Zonal planning team including Chief Water Management office concerning Blue Gold activities	Continues
11	Promote/support UPs to include WMO members in Standing Committees, UDMC and UDCC and follow participatory planning.	Continues
12	Facilitate to organize coordination meeting among BWDB, WMO, Component-1 and 2 to finalize availability of required land for re-sectioning of embankment at polders.	Continues

13	Assist Training Expert for preparation/updating of training modules for OM training for WMGs, Participatory Water Management training for UPs and facilitate to organize.	Continues
14	Assist Communication Expert to establish link with Community Radio for information dissemination through Community Radio, development of IEC materials.	Continues
15	Facilitate to establish link between WMO and Local Government Institutions.	Continues
16	Assist Gender Expert in review and updating of Gender Action Plan of BWDB.	Jan-June 2015

10. Innovation Fund

Blue Gold has a substantial in-built Innovation Fund – consisting of two components, i.e. the Water Management Innovation Fund (EURO 2.4 mln) and the Productive Sectors Innovation Fund (EURO 1.9 mln).

The Fund makes it possible to introduce innovations and experiment with new approaches and techniques. The prime criterion is the relevance of the innovations for the population in the Blue Gold area and/or the implementing organisations. Other criteria are the broader relevance in Bangladesh, the opportunity for the Dutch private sector to showcase state-of-the art technology and the possibility that a sustainable support base is set-up.

So far use of the Innovation Fund has been limited. In 2015 the use of the fund will be accelerated by issuing competitive calls. Such competitive calls will avoid a possible conflict with EU tender rules and make it possible to reach more substantial budgets.

At the same time an Innovation Fund Manager will be engaged in early 2015 who could (1) initiate calls for ideas and proposals from parties in the project areas and elsewhere and liaise with potential Dutch suppliers (2) manage the innovations – i.e. making linkages with parties that could contribute to the upscaling and (3) facilitate and manage the embedding of the innovations in the project area.

New initiatives in 2015:

- A. Pilot with IWM and IRRI on Community Water Management (CoWM) in polder 30.
- B. Pumped drainage solutions: developing two pilots based on a feasibility study carried out by Deltares in November 2014 regarding the options of pumped drainage using renewable energy like solar/wind/tidal to reduce water logging (and increase agricultural production) in selected polders of the Khulna and Satkhira Districts.
- C. Together with Component 3, discussions will continue with WorldFish and/or others to develop a concept note for a simplified aquaponic trial (using manual techniques)
- D. Pearl cultures in Bangladesh: developing a pilot project based on a desk study carried out in the fourth quarter of 2014 by IMARES in cooperation with the Blue Gold fisheries and value chain experts and the BFRI (Bangladesh Fisheries Research Institute in Mymensingh).
- E. Regarding hydroponics the advice is to conduct a pre-feasibility study to analyse the options for hydroponic production of either fodder, or vegetables, or both. Lessons learned from other hydroponics trials may be used to steer towards an adapted (and improved) hydroponics pilot under Blue Gold. The pre-feasibility study will serve to establish Terms of Reference (ToR) for a pilot that will be funded under the Productive Sectors Innovation Fund. The pilot may be implemented by students from the Bangladesh Agriculture University and Wageningen University.

11. Main Challenges in 2015

11.1 Component 1

1. Timely selection and implementation of 14 new polders:
This has impact on CO input, WMO sustainability and exit plan. If selection of new polders is late, there will not be sufficient time for implementing O&M and WMO support activities after completion of physical works.
2. New procedures for LCS work:
According to PWMR 2014 BWDB will contract the earthworks to the WMG and the WMG will contract LCS for the actual implementation. This requires timely WMG formation and registration as well as solid rules to manage the sub-contracting between WMG and LCS.
3. WMO Registration: institutional capacity of CWM for timely WMO registration and regular audits
4. Creation of O&M Fund by WMOs: need to implement effective resource mobilization strategies. Handing over of BWDB land to WMAs may not materialise quickly
5. Scope for addressing social safeguard issues in rehabilitation polders: Project Affected People (PAP) need to be resettled and/or compensated for losing house/ properties/livelihood
6. Political Party interventions: Some party members/supporters have been sabotaging/influencing WMO formation and EC election/selection process. In some cases, they also tried to stop on-going earthworks, repair/renovation works of Blue Gold/BWDB offices

11.1.1 Gender

The challenges that may be faced when implementing the gender program in the working area of Blue Gold Program are as follows:

- If a woman becomes interested to compete in a designated position in the election of the Executive Committee of WMG most of the time men do not support them. Men in the working area have always a tendency to undermine women. So they create obstacles to women to come forward in the decision making process.
- Religious leaders sometimes play a vital role to create hinder for women to participate in the LCS work. Because for participating in the LCS work women have to go outside the home, which is forbidden by them for women.
- Most of the time women cannot play an important role in the decision making process due to lacking of resources. Since they usually do not take part in the economic activities, that is why they have no power in decision making as well.
- Mobility of women is restricted in the rural areas. Women are cultivating crops in their homestead garden. But they do not have access to the market. So they are unable to sell their crops in the market. For that reason, they have fewer opportunities to get involved in economic activities.

It takes much time to bring water from remote places due to insufficiency of water. That is one of the significant reasons for domestic violence against women in the working area

11.2 Component 2

DPP revision BWDB

As recommended by the first annual review mission more flexibility should be observed in polder selection, both in the number of polders and area of a candidate polders for selection. This will require a revision of the DPP of BWDB. Moreover, items such as embankment retirement, per hectare costs, emergency repair and basic river bank protection should be reflected in the revision of the DPP.

Per hectare costs

The costs per hectare as given in the Project Document and the DPP amount to Euro 100 for fine-tuning work and Euro 300 for rehabilitation work. These costs appear to be far too low. The estimates of the work under the four first fine-tuning polders amount to approx. Euro 188 per ha. If the control of river erosion is added this may increase to Euro 205 not taking into account cost escalations over the years. This is double the estimated cost.

The costs for the rehabilitation polders may be significantly higher because embankments will be raised to a height that makes them climate change proof, based on the same (new) benchmark levels as used in the World Bank funded Coastal Embankment Improvement Project (CEIP). Apart from the considerable earthworks involved in this, there will be resettlement costs as well.

The current upper limits on investment under refinement and rehabilitation works as given in the DPP and should be changed in an upper limit of Euro 250/ha for refinement and Euro 500/ha for rehabilitation.

Clearly an increase in per ha cost will have implications for the total scope of work with one possibility being that a smaller area is covered, yet ensuring that work is done properly. Another option is that cooperation is sought with CEIP and work is shared between Blue Gold (within the polder) and CEIP (embankments). Current restrictions on two projects operating in the same polder would need to be relaxed.

11.3 Component 3

DPP revision DAE

The decision of the PSC to limit activities to 10 Upazilas is very useful, but revision of the DPP of DAE is still urgently needed to firmly integrate DAE's activities in the Blue Gold Program and to allow sufficient flexibility in planning and implementation of DAE's contribution to the program. Furthermore, there is still no agreed "Rules of Business" between TTAP BGP-DAE and Blue Gold to facilitate smooth collaboration.

Budget DAE

Delays in reporting and delays in money transfers have had a negative effect on DAE's activities during the second half of 2014. If similar delays happen again it will affect the impact of DAE's contribution to the Blue Gold program.

MOU with DOF

It has still not been possible to sign a MOU with the Department of Fisheries, which makes it difficult to implement activities in collaboration with this department.

Innovations

It's a challenge to identify suitable topics for innovation activities considering the large budget which is available in BG budget. It is relatively easier to identify innovations that can be introduced or tested in BG area on a small scale, but such activities are relatively cheap.

Sustainability of FFS activities

As FFS organizers will generally implement only one FFS in a WMG and then move on to new areas, it is a challenge to provide sufficient follow-up support to sustain FFS learning in the next season. In order to find a solution, Component 3 will in 2015 organize a few workshops for contact persons of each completed FFS to evaluate what happens after the FFS and to motivate them to coordinate and sustain the activities with their FFS group, possibly leading to the formation of farmers clubs or producer groups.

11.4 Component 4

While implementing activities in 2014, the Business development component gathered some important lessons or challenges that need to be addressed during the implementation of work in 2015.

Overall the envisaged VCS, VCA and VCD activities for the targeted polders in 2015 are setting a challenging objective as VCD is a systemic and time consuming process. This process will be much dependent on the integrated decision making forming part of the Polder Development Planning process and its resultant setting of priorities.

For the WMO activities originally envisaged the encouragement of collective (business or service) actions by members of WMO as a means to increase income and within DOC regulations. The latter assumption was overturned by the new registration modalities under the BWDB and the findings of the review mission as well as a study assessing cooperative development, while the underlying assumption that WMOs would get access to 'common resources' to be exploited cooperatively appeared not realistic. As a result, the WMO capacity strengthening programme has been adapted.

Both key processes, value chain development and WMO strengthening, face a similar challenge in lacking field staff to implement them. During 2014 it became clear that neither COs, nor FOs would be available to undertake Business Development activities without the risk of overburdening them. With respect to the adapted WMO strengthening programme this has led to the decision to outsource it, a process which has been started at the end of 2014 and hopefully in turn will not run into the problem of WMGs to be overburdened by activities. In addition, it has led to adapting the VCD approach by formulating the MFS programme and to resource this programme in alternative ways. Such adaptation will undoubtedly bring its own challenges but appeared the better option under the given circumstances.

11.5 Institutional Development

- Leasing out of BWDB unused land in the polders to the WMOs for creation of O&M fund appears to be a real challenge.
- Strengthening and supporting registration process of WMOs is hampered by resource constraints at the office of the CWM
- Linkage between BWDB, UP and WMOs are untested and may take time to develop
- A major question concerns the option to give more responsibilities and funding to WMA's for implementation of O&M beyond routine maintenance by WMG

12. Budget 2015

12.1 Overall project budget

The overall project budget is laid down in the Administrative Agreement (AA) of 20 February 2013 and amounts to EUR 57,700,000 including the contribution of the Government of Bangladesh (BWDB and DAE) of EUR 7,855,000.

The following table summarises the financial and TA contributions of GoB and GoN.

Financial and TA contributions x EURO 1000					
GoB contribution		GoN contribution			Total Blue Gold Program
		RPA	DPA	Total GoN	
BWDB	7,500	15,750	33,100	48,850	56,350
DAE	355	995	-	995	1,350
Total	7,855	16,745	33,100	49,845	57,700

1 EURO = 100 BDT

12.2 Budget 2015

GoN Contribution	Original Budget	Budget Year 03	Annual Plan 2015
<u>TA contract</u>			
TA team – Component 1	3,782,613	551,742	551,742
TA team – Component 2	2,996,412	437,065	437,065
TA team – Component 3	3,542,865	516,772	516,772
TA team – Component 4	2,127,315	310,296	310,296
Program Management	2,359,241	344,125	344,125
Subtotal TA Team	14,808,446	2,160,000	2,160,000
<u>Contracted Services</u>			
Office/ Storage Blocks	2,250,000	450,000	150,000
Innovation Funds	4,300,000	900,000	500,000
UCEP	500,000	100,000	100,000
Partnerships WUR and Los Banos	505,000	155,000	50,000
Mid Term Review	274,000	30,000	50,000
Specific Studies	988,000	245,000	100,000
Polder Development Plans	450,000	150,000	100,000

Baseline Surveys	615,000	115,000	200,000
FFS DoF/ DLS	612,000	150,000	150,000
Value Chains + Curriculum Development	824,500	145,500	170,000
Information & Awareness	278,500	65,000	40,000
Audits WMGs	245,000	35,000	40,000
Subtotal Contracted Services	11,842,000	2,540,500	1,650,000
Equipment, Training, Operational Costs			
Equipment	1,149,050	52,000	160,000
Training	2,521,500	504,500	480,000
Operational Cost	1,227,600	206,550	250,000
Subtotal Equip., Training, Operational Costs	4,898,150	763,050	890,000
SUBTOTAL TA contract	31,548,596	5,463,550	4,700,000
SUBTOTAL including contingencies	33,100,000		
GoN FA BWDB Contribution	15,750,000	3,500,000	3,500,000
GoN FA DAE Contribution	995,000	200,000	200,000
Subtotal GoN contribution	16,745,000	3,700,000	3,700,000
Total GoN contribution	49,845,000	9,163,550	8,400,000

Appendix 1. Staffing Plan

A1- 1: Blue Gold – Technical Assistance Team staffing plan 2015

	Name of Staff	Total planned input (days)	Cumulative input (days) up to 30 Sept 2014	% of time utilized	Planned 2015
Component 1					
International experts:					
Long term	Vicki Pineda	1,320	333	25%	220
Short term Sr.	Kitty Bentvelsen/Geert Rhebergen	260	146	56%	43
Short term pool Sr.		114	0	0%	20
Short Term pool Jr.		115	31	27%	20
National experts:					
Community Organization	Shorab Hossain	1,302	347	27%	217
Gender	Priodarshine Auvi	1,302	331	25%	217
Development Planner	Alamgir Chowdhury	1,302	313	24%	217
Sr. Sociologist/Cooperative Expert	Showkat Ara	1,085	148	14%	217
Sr. Socio-Economist	John Marandy	1,302	342	26%	217
Socio-economist 1, Khulna	M. Jashim Uddin	1,302	316	24%	217
Socio-economist 2, Patuakhali	Matior Rahman	1,302	315	24%	217
Socio-economist 3, Satkhira	TBN	868	0	0%	217
Socio-economist 4, Satkhira	TBN	868	0	0%	217
Socio-economist 5, Khulna	Umma Asma Khanam	1,223	239	20%	217
Socio-economist 6, Patuakhali	Tahmina Akter	1,223	244	20%	217
Community Organisers (Khulna 30; Patuakhali 20)	TBN	66,185	10179	15%	10850
Technical/administrative staff:					
Data Entry Operator	TBN	3,472	0	0%	580
Subtotal Component 1		84,545	13,284	16%	14120
Component 2					

International experts:					
Long term	Dirk Smits	1,320	323	24%	220
Short term	Andrew Jenkins	198	14	7%	33
Short term pool Sr.		100	0	0%	17
Short term pool Jr.		44	0	0%	7
National experts:					
ST hydrologist	TBN	176	19	11%	30
irrigation/drainage engineer, Khulna	Mustafizur Rahman	240	236	98%	0
irrigation/drainage engineer, Patuakhali	TBN	0	0		0
irrigation/drainage engineer, Satkhira	TBN	0	0		0
Irrigation Agronomist, Khulna (3 districts)	ShaharUddin	280	257	92%	0
Civil engineer, Khulna (1)	Mainul Islam	1,203	292	24%	217
Civil engineer, Satkhira	S.M. Saiful Islam	1,203	217	18%	217
Civil engineer, Patuakhali	Delower Hossain	1,203	205	17%	217
QC Engineer/Deputy Component Leader	Mofazzal Ahmed	1,263	345	27%	217
Sr. Field QC Engineer, Khulna	Azizur Rahman	1,263	322	25%	217
Jr. Field QC Engineer, Patuakhali	Shahidullah	1,164	316	27%	217
Quantity Surveyor Engineer	Mahmadur Rahman Aveek	1,164	238	20%	217
Quantity Surveyor Assistant	Jinat Rehana	1,164	239	21%	217
Reimbursement Engineer	Farzana Rahman Moury	1,085	170	16%	217
Reimbursement Engineer Assistant	Tahmina Akter Tunny	1,085	178	16%	217
Field Mechinal Engineer, Khulna (3 distr)	Ahsan Ahmed Bapi	1,164	240	21%	217
Jr. Field QC Engineer 2, Patuakhali	S.M.Zakir Hossain	1,164	135	12%	217
Jr. Field QC Engineer, Khulna (2x)	Moshiur Rahman/Abdul Hannan	2,170	292	13%	434
Sub-Assistant Engineer, Satkhira	Md.Sadeque Ali	1,085	143	13%	217
Sub-Assistant Engineer, Patuakhali	Md. Nur Islam	1,085	122	11%	217
Sub-Assistant Engineer, Patuakhali	Md. Amanullah	1,085	128	12%	217
Autocad operator, Khulna	Sk. Abdul Alim	1,085	112	10%	217
Subtotal Comp 2		22993	4543	20%	4213
Component 3					
International experts:					
Long term	Hein Bijlmakers	1,320	319	24%	220

Short term pool Sr.		286	0	0%	40
Short term pool Jr.		44	0	0%	10
National experts:					
Agriculturalist 1/Deputy Component Leader	Ashraful Islam	1,243	279	22%	217
Agriculturalist 2	Zahangir Alam	1,203	189	16%	217
Agriculturalist 3	Sumona Rani Das	1,184	217	18%	217
Fish Expert	Shamsul Huda	1,302	323	25%	217
Livestock Expert	Munir Ahmed	1,248	299	24%	217
Mechanization/processing expert 1	Anayet Hossain	1,184	260	22%	217
Mechanization/processing expert 2	TBN	868	0	0%	130
Mechanization/processing expert 3 -on farm mech.	TBN	1,184	0	0%	130
Master Trainer (Rice Agronomist)	Md.Alam Hossain	1,203	165	14%	217
TC/Master Trainer (OFWM Specialist)	Abdullah Sani	1,203	235	20%	217
Master Trainer (Int Homestead Gardening)	Shameem Ahmed	1,203	240	20%	217
TC/Master Trainer (High-value Cash Crops)	TBA	1,203	0	0%	130
FFS facilitators (Khulna -10, Patuakhali-12)	TBN	22,805	4751	21%	4774
Subtotal Component 3		38683	7277	19%	7387
Component 4					
International experts:					
Long term	Karel T'Jonck	693	176	25%	115
Short term	Jaap de Heer/Hero Heering/TBN	176	55	31%	30
Short term pool Sr.		100	0	0%	30
Short term pool Jr.		44	0	0%	10
National experts:					
Sr. Private Sector Expert	ASM Shahidul Haque	1,235	301	24%	217
Business Dev Coordinator, Khulna	Shamim Alom	1,031	89	9%	217
Business Dev Coordinator, Khulna	Shusanto Roy	1,184	217	18%	217
Business Dev Coordinator, Patuakhali	Abdullah Al Mamun	986	217	22%	217

Business Dev Coordinator Patuakhali	Kazi Mozzammel Hossen	1,085	183	17%	217
Business Dev Coordinator	Shafiullah	1,031	8	1%	217
Marketing Expert	Islam Chowdhury	0	0		0
Investment Specialist	Md. Anisur Rahman	1,085	188	17%	217
Jr. Gender/IGA Specialist	Jhorna Begum	1,203	201	17%	217
Value Chain Expert/Dty Component Leader	Tanvir Islam	1,184	340	29%	217
Good Governance	AKM Saifullah	400	0	0%	60
Technical/administrative staff:					
Administrative Assistant	TBN	22	22	100%	0
Subtotal Component 4		11459	1997	17%	2198
Program Management					
International experts:					
Short term	Hero Heering	132	51	39%	22
National experts:					
National Project Coordinator	TBN	1,085	0	0%	0
Program Manager	Proteeti Masud	976	0	0%	217
Institutional/Legal Advisor	Aowlad Hossain	1,243	281	23%	217
Training Expert	Abul Kashem	1,302	337	26%	217
Environment Expert	Kabil Hossain	967	234	24%	217
M&E Expert	Shital Krishna Das	1,263	295	23%	217
M&E Officer 1	Zakir Hossain	1,302	236	18%	217
M&E Officer 2	Nurur Rahman	1,085	163	15%	217
Communication Expert	Anis Parvez	1,302	306	24%	217
Disaster Risk Reduction Expert	Syeda Sajeda Haider	1,085	266	25%	0
Training Coordinator Dhaka	Khairul Islam	1,243	217	17%	217
Asst Training coordinator Khulna	Ms Shamima Nasrin	651	92	14%	217
Asst Training coordinator Patuakhali	Atikur Rahman	651	91	14%	217

Asst. Training coordinator Khulna		868	0	0%	217
Asst. Training coordinator Satkhira		868	0	0%	217
Subject matter specialists/Field Training Org.	TBN	8,680	0	0%	1085
Subtotal PM		33,472	4,588	14%	3928
Support Staff:					
Office Manager (Dhaka)	Abu Zahir	848	363	43%	217
Office Manager zonal offices (2x)	Rabiul Alam/Monir U.Patwary	2,525	575	23%	434
Finance Manager	AFM Hedayat-UI-Al-Arif	1,282	313	24%	217
Operation Manager	Shahanaz Jahan Pushon/khulna TBN	1,184	183	15%	200
Asst. Manager- (IT)	Shahabuzzaman	1,262	272	22%	210
Finance and Administration Officer	Naeem Farhad Islam	1,243	275	22%	217
account assistants zonal offices (2X)		3,246		0%	434
Support staff/office assistant	Mustafa/Uttam Kumar/TBN	4,774	458	10%	800
Receptionist	Yesmin Akther	1,302	332	25%	217
Secretary	Yasmin Ara Rekha	1,302	313	24%	217
Drivers	TBN (12 drivers)	15,407	1475	10%	2600
Messengers/Cleaner	TBN	6,954	757	11%	1160
Subtotal		41329	5316	13%	6923
					0
TOTAL		232481	37005	16%	38769

A1- 2: Blue Gold – Bangladesh Water Development Board staffing plan

SI No.	Name of the Post	Qty	Post filled - Name	Remarks &Comments
Central Planning Cell Dhaka (planned: 19 staff)				
1.	Project Director & Program Coordinating Director (PCD)	1	Sujoy Chakma	
2.	Chief Agronomist		Md. Enamur Rahman	
3.	Executive Engineer (EE)		Md. Abul Kausar	
4.	Deputy Chief (Fishery)		Md. Rahmat Ali	
5.	Hydraulic Engineer / Sub-Divisional Engineer (SDE)		Kamruzzaman Khan	
6.	Sub-Divisional Engineer (SDE)		Nasrin Akhter Khan	
7.	Assistant Engineer Civil Engineer/ SDE / AE		Md. Shahinur Rahman	
8.	Assistant Chief (Sociology)		Shafiqul Islam	
9.	Assistant Chief (Economics)		Shahnaz Akter	
10.	Assistant Engineer		Asif Ahmed	
11.	Assistant Engineer		Md. Shariful Alam-	
12.	Sub-Assistant Engineer (Civil)/ Estimator		Md. Shalah Uddin	
13.	Draftsman (Gr-A)	2	Mr. Sunil Chandra Majumder Mr. Md. Anwar Hossain Khan	
14.	Stenographer		Mr. Prasanta Kumar Das	
15.	Draftsman (Gr-A)	2	Mrs. Pervin Mustary Mst. Soheli Pervin	
16.	LDA/DEO		Mr. Md. Salah Uddin Khan	
17.	Tracer		Mr. Md. Ruhul Amin	
18.	Driver	4	Mr. Md. Mazibur Rahman Khan Mr. Md. Rafiqul Islam Mr. Md. Abdul Matin Abdul Aziz	
19.	DMO		Mr. Md. Humayun Kabir	

20.	Guard cum Chowkider		Mr. Md. Nazrul Islam	
21.	Gate Operator		Mr. Md Osman Ali	
Zonal Planning cell South-Western Zone Khulna (planned 10 staff)				
1	Executive Engineer (XEN)	2	Md. Muzibur Rahman, O&M Division 2; Apurba Kumar Baoumik, O&M Division 1	
2	Hydraulic Engineer / SDE	2	Pijush Karishna Kunda, Division 2; Deboprotim Hawladar, Division 1	
3	Civil Engineer / Asstt Engineer (AE)	1	Md. Ishak Ali	
4	Account Clerk	1	Md. Hadisur Rahman	
Zonal Planning cell Southern Zone Barisal (planned 10 staff)				
1	Executive Engineer (XEN)	3	Md. Shafi Uddin, O&M (in charge) Division Patuakhali; Md. Shafi Uddin, WDD Division Kalapara; Md Abdul Malek, O&M Division Barguna	
2	Hydraulic Engineer/ SDE	3	Md. Abdul Motalib Division Patuakhali; Shahanawz Talukder WDD Division Kalapara; Md. Abul Khaier, O&M Division Barguna	
3	Civil Engineer/ Asstt Engineer (AE)	2	Shahidul Islam, WDD Division Kalapara Nurul Islam, O&M Division Patuakhali	
4	Quality Control Engineer/ AE	2		
5	Assistant Chief/ Research Officer (Econ)	1		
6	Assistant Chief/ Research Officer (Socio)	1		

Appendix 2. Review Mission Recommendations Action Plan

#	Recommendations	Action by	Actions	Progress 15-11-2014
1. Blue Gold Program Objectives				
1	<i>To strengthen the poverty profile of the project it is recommended to increase the proportion of earthworks contracted to LCS in steps and preferably achieve 90% by 2017</i>	Comp 1 + Comp 2 + BWDB	1.1 Reach 50% in 2014-2015 season 1.2 Reach 75% in 2015-2016 season 1.3 Reach 90% in 2016-2017 season	1.1 Target for 2014-2015 is 50%.
2	<i>It is recommended that the Blue Gold team works out procedures for safe handling of LCS contracts under the new arrangements of the PWMR 2014 and monitors the implementation.</i>	Comp 1 + Comp 2 + BWDB	2.1 Develop procedures in 2014 2.2 Include procedures in by-laws and obtain approval from Office of CWM	2.1 Awaiting registration of WMGs
3	<i>A larger proportion of FFS should concern topics relevant to landless households (i.e. livestock, poultry, home gardens)</i>	Comp 3	3.1 Re-assess FFS curricula	3.1
4	<i>The TA Team and DAE that are implementing the FFS are recommended to make a plan in this regard and ensure selection of trainees from the group of landless.</i>	Comp 3 + DAE	4.1	
2. Overall Progress				
5	<i>It is recommended that some flexibility is observed in polder selection, both in the number of polders and area of a candidate polder for selection.</i>	BWDB + Comp 2 + Comp 1	5.1 Engage in selection of new polders	5.1 12 polders selected with approx. 61.000 ha (gross); four more polders should be selected in 2014
6	<i>Update the overall project planning to see whether with current work processes the overall results can be</i>	Blue Gold Management	6.1 Convert overall project planning into MS Project	6.1 Not yet done

	<i>achieved.</i>			
7	<i>TA Team is recommended to prepare a modified methodology for community mobilisation</i>	Comp 1	<p>7.1 Delete village needs assessment and mapping and simplify WMO formation process</p> <p>7.2 Outsource VAP Formulation activity</p> <p>7.3 Focus more on catchment level activities such as needs assessment, polder mapping, etc.</p>	<p>7.1 Flowchart on WMO Formation, Strengthening and Sustenance Process formulated</p> <p>7.2 Formulated VAP Formulation Process for pilot testing in Polder 22</p> <p>7.3 Village needs assessment stopped. Catchment level needs assessment already taking place</p> <p>7.4 Village mapping stopped. Previous village maps used by GIS experts in identifying relevant information/data for digitizing</p>
8	<i>Re-assess the workload of BWDB under component 2 and take measures such as outsourcing.</i>	Comp 2 + BWDB	<p>8.1 Outsource design inventory</p> <p>8.2 Provide additional equipment (computers) to Design Office</p> <p>8.2 Assist BWDB in design work</p>	<p>8.1 Design data collection done for Patuakhali</p> <p>8.2 Two computers plus printers provided</p>
9	<i>Investigate the options for BWDB staff salaries up-topping - by the Embassy and project implementing agency.</i>	EKN + BWDB	9.1	
3. Community Mobilization and Institutional Strengthening (Comp 1)				
10	<i>BWDB and the TA team should develop a clear vision on the application of the PWMR2014 for FCD schemes and put this in practice in the Blue Gold polders</i>	Comp 1 + BWDB	<p>10.1 complete registration of existing WMO's with BWDB</p> <p>10.2 Endorsement of the procedure for WMA and WMF Formation by BWDB (PCD)</p> <p>10.3 assist CWM in drafting appropriate bye-laws for WMO's at different levels and simplify for distribution to WMOs</p>	<p>10.1 242 WMGs to be registered by 30Nov 2014</p> <p>Registration of WMAs and WMF to follow early 2015</p> <p>10.2 WMO formation proposal discussed in workshop on 6 Nov 2014</p> <p>10.3 By-laws for WMGs completed, simplified and distributed; for WMA and WMF not yet.</p>

11	<i>The TA Team should continue to engage with the Water Management Department of the BWDB in addressing the open ends in the PWMR2014, as part of the formulation of the bye-laws</i>	Comp 1 + Comp 2 + BWDB	<p>11.1 define power and sanctions of WMOs in conflict resolution, in enforcing maintenance or collecting O&M charges</p> <p>11.2 define specific links and powers between WMOs at different levels</p> <p>11.3 define territorial base for WMGs, WMAs, and WMF</p> <p>11.4 define responsibility for handing over the usufruct of assets such as borrow pits, khals and embankments</p>	11.1 to 11.3: Workshop on WMO Formation Procedure and Roles and Functions conducted on Nov. 6, 2014. Also discussed with EKN. Discussions are continuing with BWDB
12	<i>The TA Team working on Component 1 in cooperation with other project units should redefine the strategy for community mobilisation, integrating an exit strategy from the beginning.</i>	Comp 1	<p>12.1 Consolidate the cooperation and linkage between the WMG, WMAs and WMFs within a polder</p> <p>12.2 Encourage the WMG to engage with other programs</p> <p>12.3 Appoint local facilitators and identify farmer training resource persons in WMG</p> <p>12.4 Rethink communication activities to support internal knowledge generation and horizontal learning within the WMOs</p> <p>12.5 Encourage collective action activities</p> <p>12.6 Strengthen the link and engagement of WMOs with the Union Parishad</p> <p>12.7 Training programs not to deliver skills only but equally to empower the local organizations to link up with external programmes</p> <p>12.8 Assure long term post project support by engaging a 'foster' organization (NGO)</p>	<p>12.1</p> <p>12.2 Annual Plan includes exchange visits for WMOs to other programs/projects</p> <p>12.3 Local facilitators already engaged</p> <p>12.4 ST mission communications expert from 10 Nov – 3 Dec 2014</p> <p>12.5 C1 and C4 presently collaborating in strengthening savings and credit business of WMGs and in developing module on IGA management</p> <p>12.6 Orientation workshops with UP's are taking place.</p> <p>12.7 PAP and VAP will be shared by WMOs with LGIs and relevant govt departments at Union, Upazila and district levels to facilitate link –up with external organizations</p> <p>12.8 Comp 1 proposes to prepare a</p>

				Concept Paper on this issue
13	<i>Take lessons from (and with) other water management-related social mobilization activities in other programs and use lessons in the Blue Gold activities</i>	Comp 1	13.1 Visit Buri-Teesta, Muhuri and CDSP projects 13.2 Study tour to other countries with relevant experience	13.1 Included in the 2015 Annual Plan of C1 13.2
4. Water Resources Management (Component 2)				
14	<i>Adjust the BWDB DPP to include the embankment retirement, emergency repair and basic bank protection items in the scope of work</i>	BWDB + Comp 2	14.1 Include retirement of embankments 14.2 Include river erosion protection 14.3 Include emergency repairs	14.1 DPP revision to be approved by IMSC 14.2 Idem 14.3 Idem
15	<i>It is recommended strongly that the Blue Gold Team develops efficient ways to address the issue of timely emergency repairs that could serve as a model arrangement for BWDB</i>	Comp 2 + BWDB + EKN + MoWR	15.1 Identify 'hot spots' for emergency repair 15.2 Develop solutions (technical + financial) 15.3 Develop procedures for implementation of emergency repairs	15.1 Polder 43/2B; Polder 29 + ? 15.2 RFP for river morphology study at polder 29 hotspot started 15.3
16	<i>The TA Team should engage with the BWDB to discuss overall O&M allocations</i>	Comp 2 + BWDB	16.1 Collect data on cost of O&M (routine, regular) and actual allocations in BWDB 16.2 Compare allocations with actual requirements	16.1 Data collection on-going 16.2 Idem
17	<i>It is recommended to remove the current upper limit on investment under refinement and rehabilitation works as given in the DPP and for the time-being use an upper limit of Euro 250/ha for refinement and Euro 500/ha for rehabilitation</i>	BWDB + EKN + Comp 2	17.1 Provide actual fine-tuning and rehabilitation cost 17.2 Collect data from other past and on-going projects 17.3	17.1 Estimates are being produced in the period Oct. – Dec. 2014 17.2 17.3
18	<i>Investigate the possibility of combining activities with CEIP</i>	Comp 2 + BWDB + EKN	18.1 Define hot spots where cooperation with CEIP would be beneficial 18.2 Prepare designs and cost estimates for hot spots	18.1 18.2
19	<i>Special training and regular guidance is given to WMOs – with a focus on WMAs - to make water management part of their core activities and</i>	Comp 1 + 2 + Training team	19.1 Include water management in by-laws for WMA 19.2 Provide appropriate training to WMA, in	19.1 Done (?) 19.2

	<i>provide the necessary guidance and support</i>		addition to LCS training	
5. Food Security and Agricultural Production (Component 3)				
20	<i>It is recommended that separate PMC for DAE part is discontinued and that all activities are discussed under a single PMC</i>	DAE + EKN + Comp 3		
21	<i>Unite the two agricultural components, the one under DAE and under the TA Team.</i>	DAE + Comp 3	21.1 Revise DPP DAE to reflect cooperation with Blue Gold	21.1 DPP revision is underway with assistance of Comp. 3
22	<i>Increase the number of FFS, particularly those that are relevant to landless persons – by implementing 400 more FFS in livestock, poultry and homestead farming</i>	Comp 3	22.1 Calculate additional budget 22.2 Assess additional manpower requirements	22.1 22.2
23	<i>The TA Team and DAE should develop a plan of action for ICT-enabled horizontal learning</i>	Comp 3 + DAE + Communication expert	23.1 Take lessons from 'teacher-in-the-pocket' approach of DFID funded English in Action program 23.2 Develop community radio programs 23.3 develop instruction videos and other audio-visuals 23.4 Introduce Farm Book via BIID and in cooperation with Comp 4	23.1 Training expert will organise a demonstration by English in Action in November 23.2 First pilot program started on 16 September 2014 23.3 Service provider is selected and will start shortly with first video 23.4
24	<i>TA Team and DAE should develop a program of encouraging follow-on activities for FFS groups without making this compulsory.</i>	Comp 3 + DAE	24.1 Take stock of existing initiatives such as Farm Club by Danida	24.1
6. Business Development and Private Sector Involvement (Component 4)				
25	<i>Establish working relations with other on-going initiatives in value chain development, notably with</i>	Comp 4	25.1 Exchange info with SAFAL in structured way	25.1 Meeting held with SAFAL in Khulna. SAFAL selects producer

	<i>the SAFAL program and bring WMG members in contact with SAFAL and other initiatives such as the ADB funded SCDP and World Bank funded NATP and the Palli Karma Sahayak Foundation crop storage facility.</i>		25.2 Contact programmes and incorporate in networking aims of MFS programme as and where applicable.	groups from WMGs
26	<i>Ground level initiatives to involve producer groups in post-harvest and marketing assistance is required immediately and testing post-harvesting and market oriented FFS may be done quickly</i>	Comp 4 + Comp 3	26.1 Establish Market Oriented Farmer Field Schools (MFS) and select Producer Group Facilitators (PF)	26.1 First MFS planned to start in December 2014
27	<i>Put emphasis on short value chains or the lower part of long value chains</i>	Comp 4	Confirmed to be the objective of the VCS and VCA processes and MFS programme	27.1 MFS programme preparation has a focus on producer groups and their input & market side linkages.
7. Project Organization				
28	<i>It is proposed to plan to have a shared office preferably with all units based in Dhaka within six-twelve months</i>	Blue Gold management + BWDB + EKN	28.1 Investigate option of building temporary office at the BWDB Green Road location 28.2 If not possible investigate other options	28.1 Office at Green Road location not approved by BWDB 28.2 Second best option is to upgrade safety standards at Motijheel office
29	<i>The two separate Project Management Committees (PMC) should become one</i>	BWDB + DAE	29.1 To be decided by IMSC	29.1 IMSC meeting scheduled for early December 2014
30	<i>Increase coordination meetings at field and central level</i>	TA team + BWDB + DAE	30.1	30.1
31	<i>Merge the cross-cutting themes under project component 5 with the main project components</i>	Blue Gold management	31.1 Move Environment + DRR to Comp 2 31.2 Move Governance / Water Integrity Network to Comp 2 31.3 Move gender to Comp 1	31.1 Done 31.2 Done 31.3 Done
32	<i>Merge component 4 with component 3 as these activities are intimately linked</i>	Comp 3 + Comp 4	32.1 Start with joint planning and implementation of relevant programs	32.2 Joint development of market oriented FFS started in November 2014

33	<i>The TA Team Leader should make an assessment of what relocation is possible and desirable.</i>	TL Blue Gold	33.1 Consider relocation of experts from Dhaka to Khulna or Patuakhali	33.1 Under consideration
34	<i>Activate and accelerate the use of the innovation fund by issuing international competitive calls.</i>	TL Blue Gold + EKN	34.1 Complete procedures manual for Innovation Fund	34.1 Draft procedures manual completed, including international competitive calls
35	<i>Engage an Innovation Fund Manager to:</i> (1) <i>initiate calls for ideas and proposals from parties in the project areas and elsewhere and liaise with potential Dutch suppliers</i> (2) <i>manage the innovation – i.e. making linkages with parties that could contribute to the up-scaling</i> (3) <i>facilitate and manage the embedding of the innovation in the project area</i>	TL Blue Gold + EKN	35.1 Budget for Innovation Manager part of procedures manual proposal	35.1 Recruitment of Innovation Fund Manager through YEP-Water started in October 2014
36	<i>Coordination with other projects and organizations and integrate improved water management with the objectives of value chain development and WASH</i>	TA team	36.1 Build stronger links with SAFAL 36.2 Build stronger links with Max Wash 36.3 Build stronger links with BRAC Wash	
8. Reassessment of original program assumptions and risks (Annex 2)				
37	<i>The assumption that “<u>Communities organized in cooperatives will have to become the driving force for the natural resources based development</u>” should be replaced with the assumption that the overall development of natural-based economic activities can be promoted through a variety of interventions: cooperatives, producer groups or local enterprise and that the enhance income creates a solid basis to fund routine and in the</i>	TA team + EKN	37.1 Adapt the Program Log Frame	37.1 M&E team organised workshop on logframe adaptations on 09 Nov. 2014

	future structural maintenance.			
38	<i>The TA Team working on Component 1 with the Water Management Department of BWDB should undertake a quick review including field visits of the current status of WMO established in various projects in Bangladesh over the last twenty years to find evidence of the assumption that “<u>Water Management Organizations are able to ensure long term routine maintenance of polder areas</u>”</i>	Comp 1	38.1 Comp 1 to produce a proposal and TOR for the quick review study	38.1 In process. Included in the 2015 Annual Work Plan, study visits to relevant projects
39	<i>The assumption that “<u>Agricultural development activities will generate additional income that can be partly used for operation and maintenance</u>” <u>should be backed up by an economic analysis undertaken by the TA Team working on component 3 with the possible engagement of a short term specialist.</u></i>	Comp 3	39.1 Comp 3 Leader to draft TOR for the economic analysis	39.1