



**Bangladesh Water Development Board (BWDB)**



**Kingdom of the Netherlands**



**Department of Agricultural Extension (DAE)**



# Annual Work Plan July 2018 to June 2019

rev 1<sup>st</sup> August 2018



**Socioconsult Ltd.**  
for sustainable development



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# Annual Work Plan

## July 2018 to June 2019

rev 1<sup>st</sup> August 2018

Blue Gold Program

### **BWDB Office**

23/1 Motijheel Commercial Area, Hasan Court, 8th Floor, Dhaka  
1000

(T) +88 02 711 15 25; +88 02 956 98 43

### **DAE Office**

502, Middle Building, Khamarbai, Farmgate, Dhaka-1215

(M) +88 01534006158

### **Gulshan Office**

Karim Manjil, Ground Floor, House 19, Road 118, Gulshan, Dhaka  
1212

(T) +88 02 989 45 53



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## Issue and revision record

Revision	Date	Originator	Checker	Approver	Description
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v2	16/06/2018	Blue Gold TA Team	S.M. Shardul Islam Dr. Sharmin Afroz	GC Jones	Final draft
v3	1/08/2018	Blue Gold TA Team	S.M. Shardul Islam Dr. Sharmin Afroz	GC Jones	Expanded final version

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## Glossary

ADP	Annual Development Plan
ADG	Additional Director General
AEO	Agricultural Extension Officer
AGEP	Agricultural Growth and Employment Program
BAU	Bangladesh Agricultural University
BWDB	Bangladesh Water Development Board
CAHW	Community Animal Health Worker
CAWM	Community-led Agricultural Water Management
CBO	Community-Based Organisation
CDMP	Comprehensive Disaster Management Program
CDSP IV	Char Development and Settlement Project Phase IV
CEIP	Coastal Embankment improvement Project
CGIAR	Consultative Group on International Agricultural Research
CII	Cropping Intensification Initiative
CIMMYT	International Maize and Wheat Improvement Centre
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
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 Proposal
DTL	Deputy Team Leader
EKN	Embassy of the Kingdom of the Netherlands
EOI	Expression of Interest
EMM	Euroconsult Mott MacDonald
EWM	Equitable Water Management
FFS	Farmers Field School
FGD	Focus group Discussion
GAP	Gender Action Plan
GESAP	Gender Equality Strategy and Action Plan (of BWDB)
GoB	Government of Bangladesh
GoN	Government of the Netherlands
GPWM	Guidelines for Participatory Water Management
IRRI	International Rice Research Institute
ha	Hectare
HH	Household
IF	Innovation Fund
IFMC	Integrated Farm Management Component
IGA	Income Generating Activity
IMRC	Inter-Ministerial Review Committee
IPM	Integrated Pest Management
IPSWAM	Integrated Planning for Sustainable Water Management



IPSWARM	Integrated Planning for Sustainable Water Resources Management
IWM	Institute of Water Modelling
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
MRL	Monitoring, Reflection & Learning
MoU	Memorandum of Understanding
MoWR	Ministry of Water Resources
MTR	Mid – Term Review Mission
NGO	Non-Governmental Organisation
O&M	Operation and Maintenance
PCD	Project Coordinating Director
PCWM	Polder Community Water Management
PD	Project Director
PDP	Polder Development Plan
PMC	Project Management Committee
PM	Progress Marker
PSC	Program Steering Committee
PWMR	Participatory Water Management Rule
SDE	Sub-Divisional Engineer
SVC	Strengthened Value Chains
SWAIWRPMP	Southwest Area Integrated Water Resources Planning and Management Project
TA	Technical Assistance
T&C	Training & Communications
TL	Team Leader
TNA	Training Needs Assessment
TOT	Training of Trainers
UAO	Upazila Agricultural Officer
UP	Union Parishad
WAP	Water Management Group Action Plan
VC	Value Chain
VCA	Value Chain Analysis
VCD	Value Chain Development
VCS	Value Chain Selection
WASH	Water Sanitation and Hygiene education
WMA	Water Management Association
WMG	Water Management Group
WMIP	Water Management Improvement Project
WMO	Water Management Organisation
WRM	Water Resource Management
WUR	Wageningen University and Research Centre
XEN	Executive Engineer (BWDB)
ZSEs	Zonal Socio-Economists



## 1. Context

The Blue Gold Program (BGP) has been developed based on the lessons learnt from IPSWAM and other water sector projects in Bangladesh. It is a poverty reduction and economic development program with a central focus on the water management – agricultural & economic development nexus, which is being implemented by BWDB and DAE and which is funded by the Governments of Bangladesh and the Netherlands. Its major task is to reduce poverty and stimulate economic development by linking improved, participatory water management with agricultural production and value chain interventions. The Blue Gold Program is designed to use improved water resource management as a catalyst for agricultural and economic development in the polders. Blue Gold is implemented in 4 coastal districts of Bangladesh; Patuakhali, Barguna, Khulna and Sathkira.

The program is taking place during an about eight-year period from March 2013 to December 2020 (Financial End: June 2020).

Following the project documents and DPPs the Blue Gold Program covers around 22 polders under Patuakhali, Barguna, Khulna and Sathkira districts. The rehabilitation will be done in polders which have not been rehabilitated by other projects/IPSWAM, WMIP, ECRRP and GoB in last few years. The works will in general include major re-sectioning of embankments, repair/construction/reconstruction and /or improvement of drainage sluices, outlets, and irrigation inlets, re-excavation of internal canals and improvement of on-farm water management etc.

Minor repairs/upgrading will be done in polders already rehabilitated by other projects/IPSWAM, WMIP, ECRRP and GoB. The works will in general include minor re-sectioning of embankments, repair/construction/reconstruction and /or improvement of drainage sluices, outlets, and irrigation inlets, re-excavation of internal canals and improvement of on-farm water management etc.

Up to now total number of identified and selected polders is 22 with a gross area of about 1,15,000 ha, which confirms to the recommendations of the MTR Mission 2015 and also by the Inter Ministerial Review Committee, March 2016. In 1<sup>st</sup> batch a total of 12 polders have already been selected; 9 IPSWAM polders and 3 non IPSWAM polders. In 2<sup>nd</sup> batch 10 non IPSWAM polders have been identified and approved.

### 1.1 Program Rationale & Objective

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 approach applied can be best described as water management for development. The BGP is one of several projects implemented by BWDB (and in the case of BGP by BWDB & DAE) that applies the Guidelines for Participatory Water Management<sup>1</sup>. In a nut shell that means enabling and facilitating participatory infrastructure planning (Water Management Organisations take a keener interest in

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<sup>1</sup> Government of the People's Republic of Bangladesh, Ministry of Water Resources, Guidelines for Participatory Water Management, Dhaka, 2000; and: Government of the People's Republic of Bangladesh, Participatory Water Management Rules, 2014, Circular 20 Magh 1420 Bangla Year/2 February 2014 AD, published in Bangladesh Gazette, Additional Issue, February 11, 2014 (translation: Blue Gold). These regulations are reinforced by provisions for local governance: Government of the People's Republic of Bangladesh, Local Government (Union Parishad) Act, 2009, Additional Gazette, Dhaka, October 15, 2009 / 30 Asshin, 1416 (Translation World Bank)

operation and maintenance if infrastructure is configured in response to their desires) and operation and maintenance (joint effort of BWDB, other government bodies and Water Management Organisations).

‘Water management for development’ implies that working on participatory water management needs to be justified by positive development outcomes. The efforts of BGP are not only aimed at establishing water management organisations (WMOs), but also at activating these to use agricultural opportunities created by water management and to use business opportunities created by the improved production environment.

The focus of BGP is therefore not on establishing local water management organisations (WMOs), but on reaping local benefits from improved water management practices. This requires initiatives by WMOs and relevant partners, such as: adapting crop choices to water management; enlisting other resources to further fine-tune local infrastructure; bulking, grading and packaging of produce to serve other markets, etc. More often than not these initiatives required will be shared by the WMOs (or sections thereof) and other actors in the area: local governments, line departments, non-government organisations and the private sector. In order to accomplish this, building active networks of local communities, local governments (e.g. Union Parishads and Upazila Parishads), government bodies and departments (e.g. BWDB and DAE) is extremely important. Shared development initiatives require that WMOs interact with other entities; making participation synonymous with cooperation with and between relevant entities. The approach of BGP is more than organisational strengthening of newly established water management organisations. It also builds the institutional linkages (relationships and partnerships). Through which the linked organisations can take joint initiatives and enhance their effectiveness through cooperation.

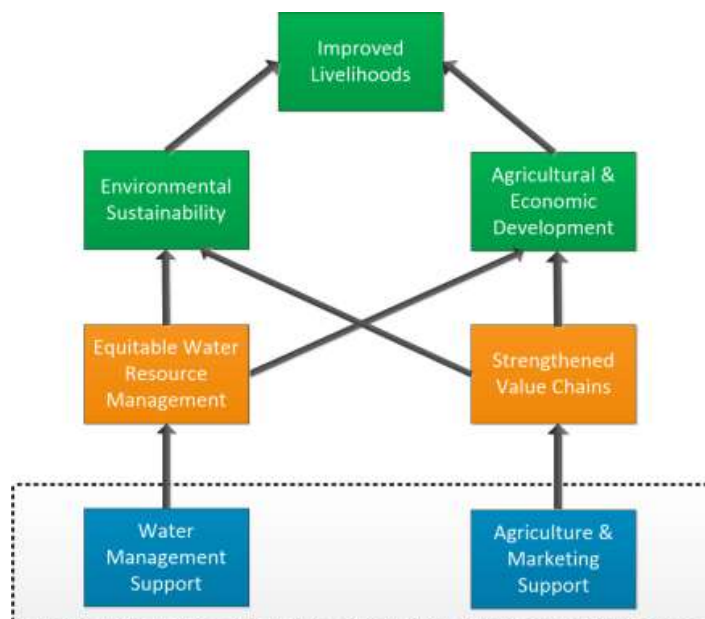


Figure 1: High-level Results Chain

## 1.2 Overall Goal & Specification

The overall BGP Goal is to ‘Reduce Poverty and Improve Food Security through Equitable Water Management, Agricultural Development, and Economic Growth in Coastal Polders.’

As part of the Theory of Change, a summary Results Chain (Fig. 1) has been developed. It emphasises the water management, agriculture and market development nexus. Hereafter the specific BGP objectives are summarised. A more in-depth narrative, including underlying assumptions in the Results Chain, is included in the full Theory of Change<sup>2</sup> As can be seen in the figure above, the Results Chain has 3 levels. The blue level is a summary of the activities that Blue Gold implements. These have been summarised around support for water management and agricultural & marketing support. The activities need to lead to sustainable and systemic changes, represented by the orange level of the result chain. Without sustainable changes in the way water management or value chains are organised, impact of the program will only be temporary. The activities should facilitate these changes on the orange level. If these sustainable changes are accomplished, the program will have an impact on polder and household level, the green level of the result chain. The impact on polder and household level is the final goal of the program and accomplished because the changes in water management and agricultural practices result in more environmental sustainability and agricultural & economic development.

### 1.3 Program Management

The BGP TA is continuing its activities following the decentralized approach over the last two years. It contributed in increased collaboration and coordination for the cross-disciplinary teams both at Polder level (cross-disciplinary Polder teams) and at Dhaka level (cross-disciplinary advisory groups – Strengthened Value Chain Group & Equitable Water Management Group).

BGP zonal and polder support TA teams have also been further streamlined under the BGP decentralized approach with the mandate of working independently with BWDB, DAE, LGIs, other relevant line departments/agencies, and WMOs at district, upazial and polder levels.

Following the MTR, activities are continuing addressing the phasing plan; polder teams have been further reshuffled considering the polder activity plan and its time-line. Based on the 2<sup>nd</sup> performance assessment, CDFs (polder level staff) are posted, promoted and remunerated in Blue Gold Program. A number CDF have been given opportunities to improve their performance and a number of them are also discontinued for their continued poor performance. It may be noted that concentration of CDF has been reduced in old 9 IPSWAM polders while higher number of CDFs are engaged in new polders considering its size and population. Ten CDFs guided and supervised by the field officials of CWM (as additional support to BWDB) were posted to old polders and assisted by existing BGP CDFs. Performance of 10 CDFs engaged under CWM were also assessed; 8 of them are engaged in old polders and 2 in new polders. BGP management is pursuing CWM for their extended role in Bluegold activities. However, BGP plans for higher engagement of CDFs in new polders following the phasing out schedule during the 2019 and onwards.

During 2018-19 FY Blue Gold plans to continue the implementation of infrastructure development activities in 9 IPSWAM polders. During the period of 2019 calendar year, the reduced number of BGP CDFs will continue for capacity development of the CWM CDFs and hands on support to O&M activities of water management infrastructure, CA (collective actions) and HL (horizontal learning) in the old polders.

With an especial emphasis, BGP is working on catchment level O&M planning engaging the WMG and O&M committees with the support from WMG facilitators. This effort will continue in all 8 phase out polders

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<sup>2</sup> BGP Working Paper 5 'Theory of Change', May 2016

## Blue Gold Program

till September 2018 and will continue further for remaining 14 polders. Along with of O&M planning activities, through PCD, BGP is also engaged in expediting the registration of WMGs/WMAs and polder level O&M agreement in between the representatives of WMAs and XEN, BWDB with an emphasis on phase out polders.

BGP is continuing to peruse the unified approach and activities of all TA members at central, zonal and polder levels are being reviewed regularly on the approach. A manual on Participatory Water Management for Blue gold program has also been developed specially for Zonal and Polder level staff members and already been distributed to them. Based on the experiences of unified approach and activities during 2017-18, Blue Gold TA already consolidated some of the good outcomes (approaches of success initiatives) such as functional (self-sustained) WMGs, community led water management for Agriculture (CAWM), Horizontal learning and partnership, etc. BGP plans for scaling up these initiatives during 2018-19 and onwards years.

In addition, BGP is also engaged in simplifying the procedures of LCS using the field experience and developed a one pager LCS guiding note towards the revision of broader LCS guidelines for future use. Based on the field experience of BGP and the outcome of current LCS study, initiative is planned to assist BWDB in revision of the present LCS guidelines for wider use in other projects in BWDB.

However, the overall plan of BGP including the phasing out approach may need to be reviewed and adjusted based on the delayed approval of RDPP. In addition, the compliance of EIA may come up as an issue during the implementation/rehabilitation of physical infrastructure in the new polders in the coming years.

## **2. Annual work Plan – Workgroups & Service Team**

### **Workgroups**

#### **2.1 Equitable Water Management**

##### **Progress up to June 2017**

The EWM group was very much involved in making action plans application of BG PWM manual and its adoption in the program. For the improvement of livelihood of the polder dwellers, the important achievements which were patronized by the EWM group are:

- Implemented 25 Community-led Agriculture Water Management demonstrations
- Linkage development with the DAE, DLS and DoF through different activities and field program
- Cooperation and linkage development with UPs
- Conceptual development of DAE –SAAOs and other officers on integrating organization, water management and agricultural production
- Organizing catchment level O&M planning
- Polder wise WMA formation
- Collective actions initiated by WMOs
- Initiated Community-led Fisheries (CLF)
- Monitored some of the Innovation Funds supported activities
- Organized exposure visit at CAWM and CII site for horizontal learning

The EWM team faced challenge to implement some of the activities and were not much successful, these are: a. Faced political influence during WMG formation, b. Delayed registration of WMOs, c. Slow progress on infrastructural work also caused limited scope for utilizing better water management options for crop production and strengthening WMOs, d. Lengthy process of RDPP approval, e. Utilizing group support fund of DAE properly etc.

##### **Lessons learnt**

- a. Internal water management with the involvement of community members is the key for maximize benefit of agricultural production and economic development.
- b. Up-scaling of the CAWM concept to cover greater area would be effective means for sustainable PWM

## Blue Gold Program

- c. TA polder staff can play a complimentary role to assist GoB partners to improve livelihood of the farmers.
- d. Consistently motivate DAE staffs to consider water management, organization strengthening as a better option and inspire the farmers to achieve greater impact on agricultural production. It would bring conceptual change to the SAAOs of DAE.

## 2018 / 2019 objectives

Motivation of the farming community to take water management issues up for utilizing production potentials and income generation is much expected. EWM team would be supporting WMOs to implement their catchment level operation and maintenance plan to utilize better water management options for agricultural production. EWM pursues this in the following areas by various activities.

1. Expanding good practices through horizontal learning
2. DAE considers community water management issues in their FFS implementation
3. Bringing visible change in cropping patterns in the polders utilizing combined effort of WMOs, DAE, UP and polder development team by ensuring better water management situation.
4. Encouraging FFS members and FTs to become internal force for strengthening WMGs
5. Support up-scaling of the CAWM to wider areas

## 2018/2019 Planned activities:

All the planned activities undertaken by the EWM group mainly to assist and support the Zonal and Polder team for the development of a strong and functional WMGs and ultimately WMAs in the Blue Gold Program areas. However, logics for some specific planned activities are given below:

- **Assist polder team to review and facilitate Integrated WAP** – for achieving definite goal, we need to review the present WAP and revise that for greater integration;
- **Catchment O&M planning** – the EWM team would be giving more emphasis on ensuring effective O&M planning and its implementation;
- **Support polder team to organize sharing meeting with UP and WMO on WRM and other issues** – improve capacity of polder team to arrange sharing meetings among the stakeholders;
- **Participate in Annual/Quarterly general meeting of WMOs-** the EWM team will assist WMGs to make the formal meetings more effective;
- **Assist WMGs for Collective Actions/ Good practice/ Horizontal Learning** – EWM will encourage the WMGs for initiating collective activities spreading good practices through horizontal learning;
- **Plan to assist Zonal & Polder Team in CAWM activities** –planning for infrastructure work for better water management in the CAWM catchment areas and maintain liaison with DAE for fruitful FFS implementation;
- **Reviewing monthly Zonal reports** – to provide assistance to the field reviewing the reports.

2.1.1 Annual workplan of equitable water management with timeline

SI	Proces Step	Activities	Target	2018-2018-9												Rationale	
				J	A	S	O	N	D	J	F	M	A	M	J		
	1	Organize EWM team monthly meeting (formal/informal)	12	x	x	x	x	x	x	x	x	x	x	x	x	x	Includes review and discussion of zonal monthly reports. Include the DAE discussion on group support etc.
		Attend zonal monthly meetings	12	x	x	x	x	x	x	x	x	x	x	x	x	x	Ensure planning for O&M committees at catchment level. Training on O&M. Promote horizontal learning, cross visits on WMG good practices, linkages WMG with line departments.
		Attend trizonal meetings	4		x			x			x			x		It's 7nvolveme to know about the zonal 7nvolvemen to 7nvolve them	
		Assist polder team to review and facilitate Integrated WAP	Regularly	x	x	x	x	x	x	x	x	x	x	x	x	Backstopping Zone and polder team for the activities	
		Participate WMA-AGM	39										x	x	x	Backstopping Zone and polder team for the activities	
		Participate monthly meeting of WMGs	70	x	x	x	x	x	x	x	x	x	x	x	x	Backstopping Zone and polder team for the activities	
		Participate bi-monthly meeting of WMAs	20	x	x	x	x	x	x	x	x	x	x	x	x	Backstopping Zone and polder team for the activities	
		Participation at catchment O&M planning meeting with WMOs/Catchment committee	50	x	x	x										Assist and backstopping Zonal team for the activity	
		Analysis of Catchment situation on WRM in the phase out polders	50	x	x	x										Backstopping Zone and polder team for the activities	
		Assist polder team to implement Catchment O&M planned by Catchment Committee	50	x				x		x			x			Backstopping Zone and polder team for the activities	



SI		Activities	Target	2018-2018-9												Rationale
Proces	Step			J	A	S	O	N	D	J	F	M	A	M	J	
		Support polder team to organize sharing meeting with UP and WMO on WRM and other issues	50	x	x					x	x	x	x	x		Assist and backstopping Polder and Zonal team for the activity
		Motivate WMOs for internal field/drainage cannel excavation	70					x	x				x	x		Assist and encourage polder and zonal team
		Assist polder team to assess WMG/WMA capacity and take necessary action	Regularly	x	x	x	x	x	x	x	x	x	x	x	x	Backstopping Zone and polder team for the activities
		Assist zonal team for assessing WMGs functionality	Quarterly	x	x	x	x	x	x	x	x	x	x	x	x	Backstopping the zone and polder team for the activities
		Follow-up regular O&M activities of Catchment Committees and share with Polder team	50	x	x	x	x	x	x	x	x	x	x	x	x	With MRL team develop success indicators. Share with Zonal teams.
		Assist Polder team to form/ re-form Sub Committees of new WMGs (O&M, Agruculture, & WM)	319	x	x	x	x	x	x	x	x	x	x	x	x	Assist and backstopping the Polder and Zonal team for the activity
		Participate in output sharing meeting at the zonal/polder level meeting	As and when necessary	x	x	x	x	x	x	x	x	x	x	x	x	Assist and backstopping the Polder and Zonal team for the activity
		Participate in the Annual/Quarterly general meeting of the WMOs	150	x	x	x	x	x	x	x	x	x	x	x	x	Assist and backstopping the Polder and Zonal team for the activity
		Review and assit replanning the WMOs' activities specially WAP	Regularly	x	x	x	x	x	x	x	x	x	x	x	x	Backstopping the zone and polder team for the activities
		Assist WMGs for collective Actions/ good practice/ horizontal learning	Regularly	x	x	x	x	x	x	x	x	x	x	x	x	Backstopping the zone and polder team for the activities
		Linkage with the Office of the Chief Water Management, Audit	As and when necessary	x	x	x	x	x	x	x	x	x	x	x	x	Backstopping the zone and polder team for the activities

SI		Activities	Target	2018-2018-9												Rationale
Proces	Step			J	A	S	O	N	D	J	F	M	A	M	J	
		Directorate, Project Coordinating Directorate, Dept. of Agri. Extension														
	2	Annual review: preparation for Annual Review Mission	1			x	x	x								Powerpoints, documentation, etc.
		Annual review: Assist review team	1					x								Meetings, field visits.
	3	CAWM: Provide support to polder/Zonal team in selection and implementation of CAWM	46	x	x	x	x	x	x	x	x	x	x	x	x	Backstopping the zone and polder team for the activities
		CAWM: FFS	46	x	x	x	x	x	x	x	x	x	x	x	x	Joint planning and implementation by BG TA and DAE
		CAWM: Crop cutting festival	HL					x	x			x	x	x		Together with the DAE for horizontal learning
	4	District level meetings DAE/DOF/DLS								x					x	Coordination meetings, Upazila and District level staff.

## 2.2 Strengthened Value Chain

### Progress to end-June 2018

The Strengthened Value Chains (SVC) workgroup continued to enhance farmer commitment to water resource management by facilitating the opportunities for improved productivity and profitability resulting from the rehabilitated water infrastructure. Its interventions focused on farmers as well as other actors of the market systems to increase the competitiveness of the respective value chains making up the local production systems.

The main interventions consisted of:

- SVC team supported the further development of the DAE FFS. A total of 356 of DAE FFS were implemented overall and 25 FFS as part of the CAWM. Additional DAE staffs were trained with market orientation (MO) and value chain development (VCD) issues. Also SVC team contributed a chapter in FFS training session guide on VCD.
- Complemented these DAE FFS with interventions focused on other market system actors. A total of 118 resource farmers (RFs) were trained on organizing collective actions (CA). CA workshops including WMOs were organized for improving linkages with backward and forward actors. Moreover, market visits were organized with 155 RFs and lead farmers. At the same period, 45 input retailers were trained. There were separate VC workshops organized with fish, poultry, and water melon, and mustard and boro VC actors.
- SVC team, set up further 41 CII plot demonstrations, cooperated with CIMMYT on mung bean mechanization, both followed by FFD and HL events
- SVC also organized VC actor level meetings to address market systems, issues like seed linkage (mung bean) and also recently for newly revived boro VC constraints and solutions
- A 'MO and VCD training manual' was released for stakeholder's capacity building
- TA FFS cycle 10 was completed successfully. 67 FTs were given refresher training to conduct a modified TA FFS cycle 11
- Bashak value chain, added to Moringa VC effort, and linkages were with private company to establish business relationship among farmers, WMO and company
- Members of SVC are contributing in different IF projects (e.g. WBC, CIMMYT, Pangus etc.)
- Nevertheless, at retreat, the importance of reaching the poor and prioritizing locations for better impact of interventions was promoted

### Lessons Learnt

- Collective actions are taking root in BGP polders among WMG members for social or economic gain. But SVC needs to put more emphasis on proper process and transparency in organizing collecting actions for distributing overall benefit to all participants. There seems to be a need to define proper role for the WMO as a functional actor in organizing process for ensuring benefit for polder dwellers.
- Farmers are picking up quickly on the opportunities resulting from the improved water infrastructure, it results in widening their choice but requires increased market orientation and improved farmer decision making. However, this is only one side; there is need for other actors in the market system to adapt. Thus, promotion and proper use of ICT is a priority. SVC team will

have to take initiative to promote ways to meet the demand at farmer level, whether it is about new product, improved technology, quality perception or customer demand.

- Through TA FFS there is possibility to reach the resource starved polder dwellers and somehow enhance their knowledge on agriculture and create opportunity for more income by improving market linkages.
- Demonstrating alternative profitable cropping system to suitable locations can spread knowledge to target groups about latent potential for increased production and enhanced income. For this, efforts on CII, CLF and CAWM are very important. Impact of interventions can be improved, by being more context specific, relating better to local physical conditions and water infrastructure.

### 2018/2019 Objectives

- Engage with the DAE in integrating market-oriented issues in FFS
- Capacity building on efficient CA organization, by clarifying roles of participants including WMOs for proper distribution of benefit to all participants
- More initiative to transfer knowledge on market system and VCD to farmers to help them take better production decision based on existing WRM situation and market demand
- Reach appropriate participant and suitable location for implementing TA FFS to transform participants as surplus producers and make them market oriented
- Demonstrate potential for increased cropping intensity and earning opportunity by better WRM
- Contribute in integration to make extension messages more efficient by supporting horizontal learning activities
- Support MRL in ongoing evaluations and impact assessments

### 2018/2019 Planned Activities

- Respond and support DAE run FFS initiatives with market orientation and VCD effort
- Organize workshops, networking event involving different stakeholders to build more capacity for efficient organization of CA events by including more WMO
- Initiate VCD and networking events to promote information sharing on market demand, product quality, service quality and linkage with buyers
- Organize capacity building initiative, including market visits, for other actors e.g. resource farmers, input traders and service providers
- Expand TA FFS after reviewing the success of cycle 11 to reach more and better to target farmers at polder level from cycle 12
- Continue CII and CLF efforts in suitable locations for demonstrating opportunities for improving cropping intensity
- Play effective role in HL and MRL initiative to spread learning and recording impact

2.2.1 Annual Work Plan of strengthened value chain with timeline

SI No	Description of the Unified Work Process and Steps	Target							2018-19												Rationale			
			BWDB	DAE	DoF/DLS	LGI	Core Group/WMO	Zonal team	Polder team	J	A	S	O	N	D	J	F	M	A	M		J		
A	Capacity Development of DAE on MO																							
1	Experience Sharing Workshop	2																						Depend on DAE
2	VC actor linkage workshop/seminar	2																						Depend on DAE
B	Integrating production system improvements, CA, VCD, including WMOs role where possible																							
3	SVC group Staregic Workshop	2													X									
4	Input Trader Capacity Building	1										X	X	X										Satkhita (Tentative)



15	FFS T. Aman	142							X	X	X	X	X	X						
16	FFS Rabi crop	75											X	X	X	X	X	X		
17	Demo on T. Aman	50							X	X	X	X	X							
18	Demon on Vegetable	100										X	X	X	X	X	X	X	X	
E	CII & CLF																			
15	CII								X	X	X	X	X	X	X	X	X	X		
16	CFL	19							X	X	X	X	X							



## Service Team Wise Plan

## 2.3 Water Resource Management

### Progress to end-June 2018

As of today, the WRM team has done lot of works but still not up to the expected level because of many reasons which include inadequate scope and fund provision in the original DPP as well as inadequate manpower and facilities in BWDB field and design offices. As per recommendations of the annual and mid-term review missions, the revised scope of work and additional fund provision have been made in the proposed revised DPP, which was supposed to be approved by the beginning of 2018. But unfortunately, this is taking much longer time and is still in a state of processing. Many works that were initially planned for 2017-18 FY based on the proposed RDPP could not be done or initiated. In spite of all the limitations, the BWDB and BGP WRM Team along with TA zonal and polder teams together contributed a lot towards achieving the infrastructure rehabilitation objectives of the program. In spite of all the challenges, in 2017-18 WRM team is expecting to achieve an overall progress of 60% of the planned new and carried over works, which might result in a total cumulative program physical progress of 32% and financial progress of 30%. The cumulative up to date status of the WRM infrastructure rehabilitation activities as of May 2018 is shown in the table below.

Rehabilitation Work Cumulative Progress (2013-14 to 2017-18)									
Sl. No.	Works		Program Target	Completed Works	On-going Works	Progress of On-going Works	Total under Implementation	% Progress	Weighted Progress % (as of May 2018) *
1	Embankment	Repair/Re-sectioning (km)	330	213.60	97.27	46%	310.87	65%	27%
2		Retired (km)	20.58	2.840	1.735	74%	4.575	20%	
3	Canal Re-excavation		545	114.73	97.60	45%	212.33	29%	
4	Repair of Structures	Repair of Sluice (nos.)	186	50	16	55%	66	27%	
5		Repair of Outlet (nos.)	27	19	1	75%	19	69%	
6		Repair of Inlet (nos.)	208	171	-	0%	171	75%	
7	Construction of Structures	Sluice (nos.)	31	3	5	50%	8	14%	
8		Outlet (nos.)	17	-	-	-	-	-	

Rehabilitation Work Cumulative Progress (2013-14 to 2017-18)								
Sl. No.	Works	Program Target	Completed Works	On-going Works	Progress of On-going Works	Total under Implementation	% Progress	Weighted Progress % (as of May 2018) *
9		Inlet (nos.)	8	2	1	0%	3	36%
10		Culvert (nos.)	32				-	-
11		Pump Shed & stilling basin (nos.)	6				-	-
12		Drain Pipe (m)	9,000				-	-
13	Low Cost Bank Protection Work (km)	LS					-	-
14	Rehabilitation of Interior Dike (km)	21.00					-	-
15	Closure/ Cross-bundh (km)	LS					-	-
16	Emergency Repair/Protection under GOB O&M Fund	LS		LS	40%	LS	8%	

**\*Expected Cumulative physical progress as of June 30 is 32%**

In achieving this progress and resolving many field problems and challenges both BWDB and TA central, zonal and polder teams worked very closely and intimately and we hope this will continue for all future activities.

Late RDPP approval and contractor/LCS/WMG reluctance, land problems, and less than expected design data collection and designs in many cases influenced work of our service team. In spite of all these hurdles, we did not stop rather continued to achieve the targeted plan with a whole-hearted effort from all including the central, zonal and polder service teams.

All these challenges were shared with the BWDB, DAE and EKN, and all of them had more or less positive feedback.

In the team retreat in March 2018 an optimised approach for O&M Sluice Catchment Planning had been developed to efficiently scale operations and ensure exit strategy. The approach trains catchment committee members. They facilitate the process. This approach is being reviewed and revised on the go. First results look promising.

### Lessons Learnt

In spite of all the good intentions of BWDB and the WRM TA team, it was difficult to achieve the desired progress and quality of the rehabilitation works. Some of the key lessons learnt from previous experiences are listed below:

- BWDB needs to complete all design data collection and designs by September 2018.
- Emergency TA support staff to design and field offices needs more proactive initiatives to resolve design data related queries and further gearing up of the design data collection and design processes.
- All work orders for earthworks during 2018-19 must be given by December 2018.
- TA Team should persistently follow up these activities and keep reporting whenever there is lagging.
- WRM team needs more cooperation and further sharing of information with the polder teams and WMGs.

### 2018-19 Objectives

The main objective of the 2018-19 plan is to cover up as much work as possible within the specified program period. The target is to complete the design data collection and engineering designs for all the rehabilitation works by Sept 2018, so that all the structural works can at least be started during 2018-19, since many of these works might take 2-3 years. The other objective is to complete all the carried over works from 2016-7 & 2017-18 and achieve maximum possible progress for all new works planned for 2018-19. Another objective is to scale up O&M sluice catchment planning. Sluice catchment committee members will be trained in all polders to facilitate the planning process and to successfully create catchment plans in most (phase 1 >50%, phase 2, 3 >70%) of the catchments.

### 2018-19 Planned Activities

During 2018-19, Blue Gold Program will have infrastructure rehabilitation works in almost all the 22 polders that will mostly include non-DPP work items in all polders that could not be done because of delayed RDPP approval as well as other regular works in the new polders. The RDPP plan for 2018-19 is around BDT 100 crore, but because of ensuing national election as well as current trend of BWDB work progresses, TA expected target is around BDT 40 -45 crore. However, our utmost effort will be to achieve the maximum if situation permits. As per as practicable, implementation priorities will be set in such a way that infrastructures in the first phase-out polders can be completed earlier.

2.3.1 Annual Work Plan of water resource management with timeline

SI	Process	Step	Description of the Unified Work Process and Steps	Target	2018-19												Rationale
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
A			<b>Pre-Construction Works</b>														
		1	DEM & Catchment Identification	Polder 34/2	█	█	█									Polder 34/2 to be finalized; remaining 21 polders completed	
		2	Final assessment of remaining rehabilitation works and available budgets	All Polders			█									After completion of all works by June 30, 2018 and submission of reports	
		3	Rehabilitation Needs Assessment & Validation	8 polders	█	█	█	█	█							To be further updated in these 8 polders by WMOs after registration; remaining 14 polders completed	
		4	Design Data Collection	As per requirement	█	█	█									Design data collection for all remaining rehabilitation works to be done by Sep 2018	
		5	Detailed Design	As per requirement	█	█	█	█								Engineering designs for all remaining rehabilitation works to be done by October 2018	
		6	Estimate Preparation	As per requirement	█	█	█	█	█	█						All estimates to be prepared in batches by Jan 2019	
		7	Estimate Vetting	As per requirement	█	█	█	█	█	█						All submitted estimates to be vetted by 1 week of submission	
		8	APP Approval		█	█	█	█	█	█							

SI		Description of the Unified Work Process and Steps	Target	2018-19												Rationale
Process	Step			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
			As per requirement													All APPs to be approved in batches by Jan 2019
	9	Preparation of Work Packages	As per requirement		■	■	■	■	■	■						All packages for LCS & Contractors to be prepared by Jan 2019
	10	Tendering and Work Award	As per requirement			■	■	■	■	■						Tendering & Work Award to be completed in batches by Feb 2019
	11	LCS/ WMG Training	As per requirement						■	■						All the LCS/ WMG trainings to be done immediately before start of work
	12	Construction Monitoring Committee Training (WMC)	As per requirement							■	■	■				All the WMCs to be trained/briefed immediately before the start of work
<b>B</b>		<b>Construction Works (as per RDPP)</b>								■	■	■	■	■	■	
	1	Embankment Re-sectioning	68.80 km							■	■	■	■	■	■	50.87 km full & 17.93 km part
	2	Embankment Retirement	15.50 km							■	■	■	■	■	■	4.00 km full & 11.50 km part
	3	Canal Re-excavation	458.69 km							■	■	■	■	■	■	227.23 km full & 231.46 km part
	4	Repair of Sluice	122 nos.							■	■	■	■	■	■	39 nos. full & 83 nos. part
	5	Repair of Outlet/ Inlet	15 nos.							■	■	■	■	■	■	15 nos. full
	6	Construction of Sluice	25 nos.							■	■	■	■	■	■	3 nos. full & 22 nos. part
	7	Construction of Outlet	17 nos.							■	■	■	■	■	■	10 nos. full & 7 nos. part

SI		Description of the Unified Work Process and Steps	Target	2018-19												Rationale
Process	Step			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
	8	Construction of Inlet	03 nos.													3 nos. full
	9	Construction of Culverts	18 nos.													18 nos. full
	10	Pump Shed and Stilling Basin	04 nos.													4 nos. full
	11	Low Cost Bank Protection Work	4.00 km													4.00 km full
	12	Rehabilitation of Interior Dike	5.00 km													5.00 km full
	13	Closure/ Cross-bundh	-													-
	14	Supply of Drain Pipes	5,400 m													5,400 m full
	15	Flood Damage Repair & Breach Closing	LS													As per requirement
	16	Monitoring & Quality Control	As per requirement													Continuous process during implementation of the works
<b>C</b>		<b>Reimbursement</b>														
	1	Reimbursement Claim	As per requirement													Reimbursement claim for 2017-18 implementation works will be submitted by BWDB in batches by Dec 2018
	2	Reimbursement Processing & Recommendation														Processing & recommendation for all pending & 2017-18 bills will be done in batches by Feb 2019
<b>D</b>		<b>Operation &amp; Maintenance</b>														

SI		Description of the Unified Work Process and Steps	Target	2018-19												Rationale	
Process	Step			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
	1	O&M Sluice Catchment Planning phase 1	Sluice Catchment 70% of catchments														1 month training, 5 months planning
	2	Sluice Catchment Planning phase 2 & 3															



## 2.4 Monitoring, Reflection Learning

### Progress to end-June 2017

- Prepared Baseline Survey Phase II Report
- Collected quarterly output data of all WMGs through WMG tracker; analysed the data and prepared reports
- Implemented half-yearly Participatory monitoring (PM) at WMG level was; analysed the data and prepared reports
- Facilitated polder-wise reflection sessions on the results of PM at WMG level and WMG tracker
- Dashboard and MIS development (on-going)
- Organized training for BWDB, DAE and TA on operation of MIS dashboard
- Prepared and involvement of Trends Watcher (seasonal bulletin)
- Coordination and compilation of Half-yearly reports
- Coordination and compilation of Annual Work Plan report
- Coordinated the entry of DAE FFS data (baseline and impact)
- Finalized impact monitoring survey questionnaire
- Coordination of EKN fiche results (BGP) 2017
- Developed parameters and progress markers for participatory monitoring at WMA level
- Conducted pilot case study on economic analysis of the BGP interventions

The MRL Team achieved its targets on development, implementation and revision of monitoring tools. BWDB and MRL Team worked closely together on finalization of questionnaire and methodology for impact monitoring survey. Trends Watcher has been published jointly by BWDB, DAE and MRL Team.

The Annual Review Mission 2017 recommended to set up participatory monitoring also for WMA, as a follow-up of which MRL Team has developed parameters and progress markers for participatory monitoring at WMA level.

### Lessons learnt

- MRL Team needs to put continuous efforts to facilitate reflection on and learning from monitoring results together with the polder teams.
- It is important that the polder teams facilitate reflection on and learning from monitoring results with the WMOs.

### 2017 / 2018 objectives

The main objective of MRL Team is to support the Blue Gold implementing teams to achieve their targets.

Examples of concrete objectives:

- Support polder teams with required information and by facilitating reflection and learning processes.
- Provide management team with sufficient information for decision making.
- Provide BWDB and DAE all monitoring information.

## Blue Gold Program



### 2017/2018 Planned activities

During 2018-2019 the MRL team plans to start participatory monitoring at WMA level and conduct impact monitoring survey. Along with the regular works, the MRL team will put an extra effort to facilitate reflection and learning together with the polder teams.

2.4.1 Annual Work Plan of MRL with timeline

SI		Description of activities	Target							2018-2019												
Process	Step			BWDB	DAE	DoF / DLS	LGI	Core Group/WMO	Zonal team	Polder team	J	A	S	O	N	D	J	F	M	A	M	J
A		WMG Tracker	4																			
B		Participatory Monitoring WMG level	2																			
C		Participatory Monitoring WMA level	2																			
D		Half-yearly Progress Report Compilation	2																			
E		Dashboard and MIS development																				
	1	Design & development of MIS																				
	2	Review design of MIS																				
	3	Data updating in BGP server																				
F		Trends Watcher (Seasonal Bulletin)	2																			
G		Impact Monitoring Surveys	1																			
H		Sharing of and reflection on monitoring results																				
I		Monthly Coordination Meeting of MRL Team	12																			
J		Economic Analysis of BGP interventions	1																			

## 2.5 Training, Communications and Horizontal Learning

### Training

#### Progress to end- June 2018

Training & Communication Team (T&C) supported to achieve the BG objectives through arranging different training and capacity building activities for the WMOs, LGI and staff of DAE, BWDB and BGP TA staff.

T&C team assisted management through designing, organizing and facilitating training, orientation, workshops, retreat and seminars. During last year, the BG TA team went through unique changes in terms WMG capacity development of the CDF through using experiential learning approach. T&C team developed the methodologies and process to change the approach, methodologies and developed BGP staff capacity to facilitate the process for self-sustaining WMG.

T&C team designed and organized Retreat 2018. The key focus of the retreat was to identify the BGP successes, best practices/experiences and overcoming the future challenges and targets.

T&C teams developed a unique approach/process on catchment O&M planning process and strengthen the capacity of the WMO so that they can carry out these activities by themselves.

T&C team has designed and implemented special training course for the SAAOs, DAE who are actively involved in capacity building for the farmers. T&C team develop good collaboration among BWDB and DAE both in HQ and Zone.

#### Lessons learnt

A project may have several interventions which are required to implement for livelihood security of the targeted people. But if those interventions are not implementing coordinated way, teams do not have common understanding and commitment to implement together as a team, the total effort will not bring desire benefits for the targeted group of people.

#### 2018 / 2019 objectives

- Provide support to Polder Teams to perform their new roles and responsibilities through organizing training on facilitation, coordination and management issues.
- Enhance the capacity of the zonal teams to for effective management of polder teams through better collaboration & coordination among the teams and implementing partners;
- Develop module on O & M training for WMOs and provide support to zonal and polder team to conduct training for WMO capacity building.
- Provide support to DAE in developing training module on CAWM- FFS (2<sup>nd</sup> part- Rabi Season)
- Develop capacity of DAE and BWDB field staff (SAAO, XO) on facilitation skill, participatory water management.
- Finalize the approach and guideline on Catchment O&M planning process for the 2<sup>nd</sup> and 3<sup>rd</sup> Phase-out polders.

- Support Polder and Management Team in implementing smooth changeover from the Phase out polder and start up planned interventions to the new polders.
- Support Polder Teams in scaling up good practices through horizontal expansion support DAE in developing curricula for year-round FFS

### 2018/2019 Planned activities

T&C Team planned different training and capacity development activities/programs for strengthening facilitation skills of the CDFs, SAAOs-DAE and BWDB field staff.

In the phase out polder, T&C Team has planned to develop community resource groups among the WMG and develop their capacity so that they can carry out the organizational activities for functional WMO. On the other hand, T&C Team will support polder teams to expedite the Collective Actions and Horizontal learning in the phase in polders for functional & sustainable WMG.

T&C team also planned some training and workshop for BGP TA, BWDB and DAE staff such as ToF, ToT on O&M Training, Participatory Water Management.

T&C team planned to develop good collaboration among BWDB and DAE both in HQ and Zone.

**2.5.1 Annual Work Plan of training with timeline**

SI		2018-2019																Rationale	
Process	Step	Work Process and Steps	Total Target batches	Total Accomplishment up to June'18	Target for Jul'18 to Jun'19	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June		
<b>Training at Polder Level towards Functional WMOs</b>																			
	A	Linkage and Partnership Development																	
	1	Partnership Development Workshop with UZ Parishad (LGI, BWDB, DAE, DoF, DLS & Key Officials)	12		12									X	X	X			
	B	Capacity Building of WMOs																	
	2	Diagnosis of WMGs capacity & identify the Needs & Intervention	313		300	X	X	X	X	X	X	X	X	X	X	X	X	X	Continuous Process
	3	WMG Capacity Building through Experiential Learning Approach by the CDF	300		150	X	X	X	X	X	X	X	X	X	X	X	X	X	Need based
	4	Training on LCS work Mangement										X	X	X				Depend on earth works	
	5	Training on Construction Monitoring and Quality Control (CMQC)										X	X	X				Need based	
	6	Sluic Catchment Oeration &																	

		Maintenance Planning Process																
6.a		Practical Training on Gate Operation for Gatekeepers (half day)	22	6	10	X	X							X	X	X	X	Polder Wise
6.b		WMG wise Operation & Maintenance Planning Process	500	71	300	X	X	X	X	X	X	X	X	X	X	X	X	WMG wise
6.c		Workshop on Sluice Catchment Operation & Planning Process (01 day)	200	10	100	X	X	X	X	X	X	X	X	X	X	X	X	Catchment wise plan preparation & validation by WMA
7		Training on Capacity Building for WMO Resource Persons (5 days)	10	2	6	X	X					X	X	X	X			
8		Workshop on Experience Sharing on O&M Accomplishment & Best Practices (01 day)	8		5			X							X	X		1st an 2nd batch Polder in 2018-19
9		Refresher Training Course for WMO Resource Person (3 days)	10		5				X	X						X	X	
C		Network, Linkages & Partnership Development																
8		Joint Planning Workshop (WMO & UP)	21		13							X	X	X	X			2nd batch Polder (13 batch)
D		Training/ Seminar/ Workshop at Zonal and Central Level																

9	Training on Community Organizing on Participatory Water Management for newly recruited CDF (6 days)	6	4	1							X							
10	Refresher Training Courses for CDFs (3 days)	6	2	4							X	X						
11	CDF as "Catalyst for Change" ToF course for CDF (5 days)	4	1	3			X	X	X									
12	Blue Gold Retreat	6	5	1								X						
13	Training on Conduction "Year-round Training Program on CAWM FFS" for DAE, BWDB, BGP TA staff (5 days)	5	1	4						X								
14	Training on CAWM for BGP TA staff, BWDB, DAE	10	6	4	X	X									X	X		
15	Organizing CAWM Orieneantation, Planning Workshop, Robi Season Planning Workshop, Seminars, Network Building Workshops, Technology Identification Workshops as required.																	For 24 CAWM in 2018-19 under Khulna, Satkhira and Patuakhali zone
16	Gender Training for BWDB and DAE staff at central level	1		1									X					



## Communications and Horizontal Learning

### Progress to end-June 2018

- i. **Preparation of a strategic action plan to maximise the impact of extension methodologies:** A cross-disciplinary group of the TA team prepared an action plan (refer Annex E) which will be used in implementing communications and horizontal learning activities in 2018/19. Most of the team who prepared the strategic action plan had been closely involved in the study led by Agro-Insight study which resulted in Agro-Insight's report "Communication interventions and extension methods: a study of sharing information with farmers" (March 2018).
- ii. **Interactive popular theatre:** To reach to the mass people at the new polders and aware them about BGP communication team organized popular theatre named "Unnayone Pani Byabosthaponna". In the first phase 12 drama shows were staged of which in Patuakhali 4, Khulna 7 and Satkhira 1 show. In the second phase 24 drama shows were staged, of which in Patuakhali 9, Khulna 14 and Satkhira 2 shows.
- iii. **Video production and screening:** Communication team developed number of videos on different 30nvolv like BGP interventions, instructional 30nvolvement, success stories (motivational), TV news etc.
- iv. **Printing materials:** Our regular newsletter "BGP BARTA" has published quarterly. Every after three months, the success stories of BGP published as "Factsheet" consists of 36 stories. In addition, the printing material includes poster on "safety security on motorcycle driving", one pager on "disaster preparedness and lightning storm strikes".
- v. **Organize event:** Organized Mela jointly with DAE-1, Crop cutting festival. -2
- vi. **Operation of virtual media:** Our important activities were shared on virtual media
- vii. **Horizontal learning:** Identified good practices jointly with WMGs; prepared and sharing fact sheets of good practices with WMGs to inspire them towards learning from each other and replication of good practices to meet their needs; organized experience sharing visits for the WMG/WMA members to the spots of good practices to facilitate learning, sharing and replication; followed-up and support WMGs regarding replication of good practices; organized experience-sharing workshops/network workshops

### Lessons learnt

**Interactive popular theatre:** Dramas helped community to motivate and organize.

**Video production and screening:** In one hand video production is helping us to document all our activities, simultaneously motivational videos are inspiring the community to continue with their development. On the other hand, our BGP staffs are also motivated to do something best for the WMG through video production.

**Printing materials:** When WMG members find their own activities in our BGP BARTA they become inspired to do more and other WMG members are also inspired by the news. Fact sheet is the one and only printed documents we have where 36 success stories you can find at a glance.

**Organize event:** Through Mela community people got lesson on different activities, the involvement of WMG members were remarkable for organizing mela and most importantly as our implementing partner DAE was played the key role. As the WMG members were organized crop cutting festival the ownership was developed.

**Operation of virtual media:** Most of our activities shared with our large audience including implementing partners, donor agency through Facebook, YouTube and website.

**Horizontal learning (HL) events:** The joint study with Agro-Insight “Communication interventions and extension methods: a study of sharing information with farmers” (March 2018) confirmed the value of HL extension methods, and showed that polder team with WMGs can jointly arrange and organize HL events. There are examples of WMGs adopting HL techniques independently of polder teams.

**2018 / 2019 objectives**

- To broaden messages within the Blue Gold target community
- Motivate and organize community to take initiatives regarding water resource management and IGAs.
- Accelerating extension of BGP good practices in the polders through Horizontal Learning towards sustainability by: supporting polder teams with HL activities; and facilitating and supporting with documentation on good practices and results.

**2018 / 2019 Planned activities**

Planned Activities	What we'll do
<b>Interactive popular theatre</b>	The generic objective for the use of drama is to enable communities to take initiatives to tackle a major water management or other issue.
<b>Video production and screening</b>	Motivate and organize community to take initiatives regarding water resource management and IGAs.
<b>Printing materials</b>	Objective is to improve our visibility and get the attention of our target community, providing basic necessary information
<b>Organize event</b>	Objective of organize deferent event is demonstration of different improved technology, information and results towards extension of the results.
<b>Operation of virtual media</b>	Through this virtual media we can reach a large community including our implementing partners and donor.
<b>Horizontal learning</b>	Promote informal HL among WMGs and facilitate to organize experience sharing visits for replication of good practices; identify good practices jointly with WMGs and prepare and share fact sheets on good practices.

**2.5.2 Annual Work Plan of communications and HL with timeline**

S.N	Task Name	Target	2018						2019					
			Ju	Au	S	O	N	D	J	F	M	A	M	J
<b>i.</b>	Interactive popular theater													
i.i	Drama issue based (union wise) (new & old polder)	45			x	x	X	x	x	x				
i.ii	Drama on O&M activities in phasing out polder	24	x	x	x									
i.iii	Drama on Gender issue	24				x	X	x						
<b>ii</b>	Video production and screening													
ii.i	Video production	50	x	x	x	x	X	x	x	x	x	x	x	x
	National TV news	10				x	X	x	x	x	x	x		
ii.ii	Demonstration (Each polder 5show x 22 polders)	110		x	x	x	X	x	x	x	x			
<b>iii</b>	Printing materials													
iii.i	BGP BARTA	4			x			x			x			x
iii.ii	Poster	3	x	x	x	x	X	x						
iii.iii	Factsheet update and sharing	100							x	x	x	x	x	x
iii.iv	One pager	5	x	x	x	x	X	x						
<b>iv</b>	Organize event													
iv.i	Mela	2				x	X	x						
iv.ii	Crop cutting festival	4				x	X	x						
iv.iii	WMG Convention	3				x								
<b>v</b>	Assist & closely working with video production company													
v.i	Avcom	6	x	x	x	x	X	x	x	x	x	x	x	x
v.ii	Metameta	50	x	x	x	x	X	x	x	x	x	x	x	x

S.N	Task Name	Target	2018						2019					
			Ju	Au	S	O	N	D	J	F	M	A	M	J
vi	Horizontal learning													
vi.i	Promote informal HL among WMGs and facilitate to organize experience sharing visits for replication of good practices		x	x	x	x	X	x						
vi.ii	Identify good practices jointly with WMGs and prepare and share fact sheets on good practices.							x	x	x	x	x		
vii	Operation of virtual media													
vii.i	Facebook, Website, YouTube channel etc.		x	x	x	x	X	x	x	x	x	x	x	x
vii.ii	Establish information sharing boards at the UP complex	42				x	X							

## 2.6 Innovation Fund

### Progress up to now June 2018

The Blue Gold Innovation Fund (BGIF) is a tool created to accelerate the development process in the geographical area of the Blue Gold Program, by financing innovative approaches and new initiatives to socio-economic development with help of the Water Management Fund or the Productive Sector Fund. Since its rollout in 2015, the Blue Gold Innovation Fund has completed 22 projects on water resource management and agricultural production and food security and has 7 projects currently under implementation. Projects under implementation, which will still be active between June 2018 and 2019, can be found in Table 2.6.1.

Some highlights from the period July 2017 to June 2018 addressing objectives of the previous Annual Plan:

- Blue Gold Innovation Challenge for prospective young entrepreneurs from Khulna and Patuakhali, including competition for students and youngsters, design bootcamps and pitch events.
- Campaign “Ondernemen in Bangladesh” to attract Dutch SMEs to conduct under the BGIF unsolicited procedure innovative feasibility studies in the fields of water management and agriculture in the Blue Gold area.
- Launch and evaluation of the solicited call “Improved Information Services for Agriculture”, resulting in 3 well-worked out projects in the fields of livestock services, climate smart mung bean production, and horizontal learning between WMGs.
- Launch of the Deltares/IWM managed “Water management knowledge and innovation program” (WMKIP) which operates in Blue Gold area and uses part of the budget earlier allocated to the BGIF.

With many project and activities conducted in 2017-2018 and transfer of parts of the budget to WMKIP, the BGIF has limited remaining budget left. We have spent and allocated to recent contracts a total amount of EUR 830k for the Water Management Fund and EUR 926k for the Productive Sector Fund. This implies that about EUR 570k is left for signing new contracts under the BGIF. For part of this budget, we have already projects in the pipeline; for about EUR 270k we still need to identify new partners.

### Lessons learnt

- Organising a solicited call for one specific topic with a larger contract amount is an effective way of receiving a large variety of concept notes from both Bangladeshi and international organisations;
- Though the solicited call “Improved Information Services for Agriculture” process was successful to achieve it wished for outcomes, it did consume a lot of time in preparation, processing and management. It is also only effective for topics where many organisations could potentially deliver services for and competitive bids can be expected. At this stage in the BGP it is hard to define such service and rather smaller niche projects supporting priority demands would be more effective.
- Promoting the fund among Dutch organisations with confidence to work in remote underdeveloped areas and preferably prior experience in Bangladesh is more effective.
- The Blue Gold Innovation Challenge resulted in 7 winning youngsters with innovative ideas and

entrepreneurial ambitions, however the quality of their submitted proposals to the BGIF were below the acceptable standard. It is perhaps too ambitious to expect that young people without any work or business experience (some still studying) can devote sufficient capacity and time to prepare and implement a project under BGIF on their own. More efforts could have been stimulated from the start to let them form partnerships with well-established organisations and businesses in Bangladesh.

### 2018 / 2019 objectives

- Working towards a successful closure of the Blue Gold Innovation Fund.
- Effective spending of the remaining budget left to especially address priority needs within the Blue Gold area.
- Paying special attention to the effectiveness of the final projects under implementation, to which extent they are delivering the outputs are promised and contributing to desired outcomes.
- Proper coordination of innovation and knowledge projects with WMKIP

### 2018 / 2019 planned activities

- Launching and following up on Final Call for concept notes under the Blue Gold Innovation Fund unsolicited procedure, addressing both the Netherlands and Bangladesh-based organisations. Focus on priority issues.
- Organising an internal evaluation of final concept notes and proposals with focus on strategic objectives and within the capacity of the TA team. Whenever appropriate staff from BWDB and DAE will be requested to contribute to the evaluation process and provide advice.
- Conducting proper monitoring of innovation projects under implementation, paying special attention to the larger volume contracts.
- Ensuring proper project documentation and communication about innovation fund project outcomes through progress reports, the Blue Gold website and project videos and reports.
- 3-monthly operational team meetings and half-yearly management team meetings with WMKIP team.

2.6.1 Annual Work Plan of innovation fund with timeline

Sl. No.	Description of the Unified Work Process and Steps	Target	Main partners					2018-19											
			BWDB	DAE	DoF/DL	LGI	WMO	J	A	S	O	N	D	J	F	M	A	M	J
1	Aquaculture intervention in seasonal water-logged areas in southwest region of Bangladesh	Other aquaculture pilots in P2																	
2	Pilot on women’s business centers (WBCs) in waterlogged areas of South West Bangladesh.	4 successfully running WBCs																	
3	Sustainable water management through indigenous finance and technology	Increase in locally financed small-scale infrastructure																	
4	Augmenting homestead Pangasius aquaculture productivity in three Upazillas of Patuakhali region through community participation	Pilot on Thai Pangasius introduction in Patuakhali																	
5	Breed Identification and Digital Registry of Cattle	Livestock services and breed identification in all 3 zones + database																	
6	Accelerating horizontal learning in Bangladesh polders: ICT as force multiplier	Video production for horizontal learning in 10-12 polders																	
7	Leveraging decision making science to sustain climate- and market-smart mungbean advisories in Patuakhali’s polder communities	Improved information services for mung bean production in Patuakhali																	
8	3-5 other innovation fund projects – TBC																		

## 2.7 Gender mainstreaming

### Progress to end -June 2018

- Blue Gold promoted and achieved that at least 5% of the important positions of the Executive Committees of the new WMGs are female.
- Blue Gold promoted and achieved that at least 40% of the general membership of the new WMGs are female.
- CDFs conducted Courtyard sessions (on average 2 sessions per CDF per month) with WMG members and community people to increase awareness related to women issues.
- A gender analysis and impact assessment were conducted by students at Patuakhali (old & new polders) to know the gender situation and BGP's contribution to women's empowerment in BGP working areas.
- Rapid assessment of completed training on gender and leadership development.
- Experience sharing (Horizontal Learning) program to 25 couples on women's economic empowerment through poultry farming
- Developed a flipchart on Gender and Agriculture to be used in BGP work and by its partners as a tool of training and CYS
- Coordination with BWDB in the process to update BWDB's Gender Action Plan and preparation of the summary of the Gender Equity Strategy of BWDB.
- Simplified the Terms of Reference for the LCS study and briefing new consultant.
- Provided support to DAE and BWDB for gender mainstreaming in their activities.
- Support to the English Translation of the Gender Equity Strategy of DAE
- Support to BGP innovation fund projects related to women's empowerment
- Support and follow up to polder teams and zonal teams for gender mainstreaming and to ensure women friendly working environment.
- Case study collection on women's empowerment
- Celebrated on international women's day at polder, zonal and Dhaka level.
- Liaison with other gender experts (eg of IFMC) and EKN.

### Lessons learnt

Main lessons learnt regarding gender within the past year include:

- The study conducted by the four students from Patuakhali Science and Technology University demonstrated BGP contributed to women's empowerment;
- Also, women farmers are eager to acquire and apply new information, as demonstrated by the high proportion of women in TA FFS and the enthusiasm of the women who participated in the pilot training on Market Linkages and Women's Empowerment.
- There is increasing evidence that when women contribute (more) to agricultural production and household income, that their participation in household level decision-making also increases as well as the respect from their husbands and community members and husband's share in domestic work.
- FFS can lead to robust production and income increases by women, as demonstrated by backyard poultry farming in Chinguria Village. Horizontal Learning showed to be a valid mechanism to inspire other women for such economic empowerment.



- Increase in women's leadership in WMGs and in the community through their participation in WMGs, participation in training (including in gender and leadership development training), collective action and through linkages with market actors.
- An important lesson learnt is also that the involvement of men in gender related activities is very important.

### 2018/19 Objectives

The main objectives of BGP's gender activities are to ensure that both men and women benefit from Blue Gold interventions, to contribute to narrowing any gender gaps, and to ensure that by paying attention to gender issues the overall goals of Blue Gold will be better and more sustainably achieved.

More specific objectives are:

- Developing gender approaches that can be institutionalized by Blue Gold partners, such as BWDB and DAE, including by capacity building, both of BGP staff and partners' staff;
- Creating women's leaders, role models and other examples of women's empowerment combined with awareness creation among men about gender equality, to ensure a continuous process of women's empowerment, also after the completion of the Blue Gold Program.
- Ensuring that BGP also addresses gender related constraints and opportunities related to its fields of interventions.

### Planned activities for 2018 – 2019

The planned activities include the continuation of ongoing gender activities and a few newly initiated activities. The details are in the following excel table; they can be summarized as:

- Continued support to gender mainstreaming in Blue Gold.
- Encourage women WMG members to become (better) involved in production increase and income generation (women's economic empowerment) through training, horizontal learning and the newly proposed training with UPs on small business for women's empowerment.
- Support to measuring the impact of Blue Gold on women's empowerment, by supporting the LCS study and a gender assessment and impact study for Khulna.
- Follow-up and support to DAE and BWDB to implement their Gender Action Plan and Gender Equity Strategy.

**2.7.1 Annual Work Plan of gender mainstreaming with timeline**

S. N	Task Name	Target	2018							2019					
			Ju	Au	S	O	N	D	J	F	M	Ap	M	J	
			1	Promote that 40% of the general members of the new WMGs are women	Khulna: 126 WMGs; Pat: 26; Satk: 6										
2	Promote that 7% of the important positions in EC are occupied by women	Khulna: 126; Pat: 26; Satk: 6 (new WMG)													
3	ToT training for GLD to all CDFs	96 CDFs													
4	Implementation of Gender and Leadership Development training	Khulna: 126 WMGs; Pat: 26; Satk: 6													
5	CYS and general discussion	Khulna: 126 WMGs; Pat: 26; Satk: 6													
6	Women empowerment through Horizontal Learning Program exchange events	Khulna 5 events, Pat: 5; Sat: 2													
7	Joint training programs with UP for small business for women empowerment	Khulna: 6, Pat: 4; Sat: 4													
8	Linkage development with relevant stakeholders and financial institutions														
9	Training on Market Linkages and Women's Empowerment	Khulna: 1; Pat: 2; Sat: 1													
10	Increase women's involvement in CAWM (through discussions and meetings)														
11	Follow-up on BWDB GAP and/or DAE Gender strategy	4 times													
12	Support to and/or monitoring of relevant Innovation Fund projects														
13	Gender analysis and gender impact assessment	1 study													

S. N	Task Name	Target	2018						2019					
			Ju	Au	S	O	N	D	J	F	M	Ap	M	J
			14	Follow-up on LCS study										
15	Observation of International Women’s Day										x			
16	Support to polder teams for gender mainstreaming (based on needs)		-	-	-	-	-	-	-	-	-	-	-	-

### 3. Annual Budget Estimate

S. N	Task name	Quantity	Budget BDT(Lakh)	Budget Euro (K)	Remarks EUR: BDT -> 1: 96.22
<b>1</b>	<b>Equitable Water Management</b>				
1.1	Organize UP and WMGs Joint planning meeting	50	25.00	25.98	
1.2	Organize Catchment level O&M Planning meeting	70	21.00	21.82	
1.3	Organize Polder wise WMA Planning meeting	22	13.20	13.72	
1.4	Network Building workshop /meeting with LGI	50	10.00	10.39	
1.5	Organize WMG EC exchange visits	60	20.00	20.79	
1.6	Organize HL sharing / Networking workshop at Polder	16	16.00	16.63	
1.7	Organize HL sharing/Networking workshop at Zonal level	3	3.00	3.12	
1.8	WMOs WAP review and formulation meeting	384	16.00	16.63	
1.9	Community Fisheries	40	8.00	8.31	
1.10	CAWM: Infrastructural improvement (incl design)		26.00	27.02	Only for new upscaling areas; about 40% will be
1.11	CAWM: Inputs buying for Rabi & Aman season		20.30	21.10	Partially financed out of DAE budget (BDT 25,000/FFS group)
1.12	Provide CWM-FFS training through DAE		15.00	15.59	Fully financed out of DAE budget;
1.13	Horizontal learning visits of neighbouring WMGs to CWM area within polder		8.00	8.31	Only subsidize travel costs for participants; no provision for existing upscaling areas
1.14	WM/O&M plan dialogues sessions with UPs/others		2.00	2.08	Only subsidize travel costs for participants; no provision for existing upscaling areas
1.15	CAWM: Development of promotion and learning materials		3.00	3.12	

S. N	Task name	Quantity	Budget BDT(Lakh)	Budget Euro (K)	Remarks EUR: BDT -> 1: 96.22
1.16	Costs* Aman/Rabi planning workshops and refresher training field staff		8.00	8.31	For planning & refreshers training required in Year 3
1.17	Costs* mini-Facilitator training of SAAOs for Rabi season		3.00	3.12	consider 3 batches of 2 days each; part to be paid out of DAE budget
1.18	Extra Staffing for CAWM Area		6.00	6.24	Budget support to extra presence of XO/SO in CAWM areas, not yet used. Another honorarium are financed out of DAE-FFS budget
1.19	Miscellaneous cost for CAWM		15.00	15.59	
1.20	CAWM: FFS		7.70	8.00	Joint planning and implementation by BG TA & DAE
1.21	Training TA team cost		18.00	18.71	Horizontal learning, WMO/O&M plan, dialogue session with Ups, Development promotional materials, Planning for Aman and Rabi, Coordination
<b>1.22</b>	<b>Subtotal of EWM</b>		<b>264.00</b>	<b>274.37</b>	
<b>2</b>	<b>Strengthen Value Chain</b>				
2.1	Capacity Building support to DAE on MO	TBD	4.00	4.16	Depend on DAE
2.2	Integrating production system improvements, CA, VCD, including WMPs role where possible	TBD	30.00	31.18	
2.3	RF capacity building and market visits	TBD	8.00	8.31	
2.4	Actor Capacity Building	1	2.50	2.60	Satkhira zone
2.5	TA FFS Cycles (11 & 12)				
	FFS Cycle 11	166	64.10	67.66	
	FFS cycle 12	TBD	60.00	62.35	Tentative
2.6	Support Cropping Intensity Increase Efforts				
	CII	TBD	7.00	7.28	Tentative
	CLF	19	7.00	7.28	

S. N	Task name	Quantity	Budget BDT(Lakh)	Budget Euro (K)	Remarks EUR: BDT -> 1: 96.22
2.7	<b>Subtotal of SVC</b>		<b>182.60</b>	<b>190.82</b>	
<b>3</b>	<b>Water Resource Management</b>				
3.1	Embankment Re-sectioning	68.80 km	721.24	721.24	50.87km full & 17.93km part
3.2	Embankment Retirement	15.50 km	845.56	845.56	4.00km full & 11.50km part
3.3	Canal Re-excavation	458.69 km	2,277.99	2,277.99	227.23km full & 231.46km part
3.4	Repair of Sluice	122 nos.	1,722.68	1,722.68	39nos. full & 83nos. part
3.5	Repair of Outlet/ Inlet	15 nos.	222.50	222.50	15nos. full
3.6	Construction of Sluice	25 nos.	2,357.24	2,357.24	3nos. full & 22nos. part
3.7	Construction of Outlet	17 nos.	660.88	660.88	10nos. full & 7 nos. part
3.8	Construction of Inlet	03 nos.	70.00	70.00	3nos. Full
3.9	Construction of Culverts	18 nos.	396.00	396.00	18nos. full
3.10	Pump Shed and Stilling Basin	04 nos.	40.00	40.00	4nos. full
3.11	Low Cost Bank Protection Work	4.00 km	310.00	310.00	4km full
3.12	Rehabilitation of Interior Dike	5.00 km	22.86	22.86	5km full
3.13	Closure/ Cross-bundh	-	-	-	-
3.14	Supply of Drain Pipes	5,400 m	152.00	152.00	5,400m full
3.15	Flood Damage Repair & Breach Closing	LS	250.00	250.00	As per requirement
<b>3.15</b>	<b>Subtotal WRM</b>		<b>10,048.96</b>	<b>10,048.96</b>	
<b>4</b>	<b>Monitoring, Reflection &amp; Learning (MRL)</b>				

S. N	Task name	Quantity	Budget BDT(Lakh)	Budget Euro (K)	Remarks EUR: BDT -> 1: 96.22
4.1	Monitoring results (Participatory Monitoring & WMG Tracker) sharing meetings with polder teams	44	3	3.09	
4.2	MIS Dashboard Development	1	18	18.56	
4.3	Orientation to Polder Teams on Participatory Monitoring at WMA Level	3	0.5	0.52	
4.4	Impact Monitoring	1	25	25.77	
<b>4.5</b>	<b>Subtotal of MRL</b>		<b>46.5</b>	<b>47.94</b>	
<b>5</b>	<b>Training, Communication and Horizontal Learning</b>				
<b>5.1</b>	<b>Training</b>				
5.1.1	Linkage/ Networking and Partnership Development	TBD	10.32	10.73	
5.1.2	Capacity Building of WMOs	TBD	105.14	109.27	
5.1.3	Training/ Seminar/ Workshop at Zonal and Central Level	TBD	85	88.34	
<b>5.1.4</b>	<b>Subtotal of training</b>		<b>200.46</b>	<b>208.34</b>	
<b>5.2</b>	<b>Communications</b>				
5.2.1	Interactive popular theater	TBD	13.95	14.50	
5.2.2	Video production and screening	TBD	8	8.31	
5.2.3	Printing materials	L/S	5	5.20	
5.2.4	Organize events	L/S	5	5.20	
<b>5.2.5</b>	<b>Sub Total Communications</b>		<b>31.95</b>	<b>33.21</b>	
<b>6</b>	<b>Innovations</b>				
6.1	United Purpose: Women Business Centers	1	47.51	49.38	
6.2	mPower: Breed Identification and Digital Registry of Cattle	1	127.64	132.65	
6.3	MetaMeta: Accelerating Horizontal Learning in Bangladesh Polders: ICT as Force Multiplier	1	124.25	129.14	
6.4	United Purpose: Sustainable Water Management Finance & Technology	1	51.00	53.00	

S. N	Task name	Quantity	Budget BDT(Lakh)	Budget Euro (K)	Remarks EUR: BDT -> 1: 96.22
6.5	Innovision Agro Service Ltd.: Piloting on augmenting homestead pangasius aquaculture productivity in three Upazills of Patuakhali through community participation	1	42.65	44.33	
6.6	CIMMYT: Leveraging decision making science to sustain climate- and market-smart mungbean advisories in Patuakhali's polder communities	1	127.45	132.46	
6.7	Other innovation fund projects - TBC	3-5	429.95	446.84	
<b>6.8</b>	<b>Subtotal of innovations</b>		<b>950.46</b>	<b>987.79</b>	
<b>7</b>	<b>Gender Mainstreaming</b>				
7.1	GLD Training (ToT & implementation at 160 new WMGs	160 new WMGs	20	20.79	
7.2	Women empowerment through Horizontal Learning Program exchange events	12HLP	2.4	2.49	
7.3	Joint training programs with UP for small business for women empowerment	14	4.2	4.36	
7.4	Gender analysis and gender impact assessment in Khulna area by interns of Khulna University (if University is interested)	1 study	4	4.16	
7.5	Follow-up on LCS study	1	2	2.08	
7.6	IWD celebration	1	1.5	1.56	
<b>7.7</b>	<b>Subtotal of Gender Mainstreaming</b>		<b>34</b>	<b>35.44</b>	
	<b>Sub Total (Cluster 1 - 7)</b>		<b>11758.93</b>	<b>11826.87</b>	
	<b>Miscellaneous (7%)</b>		<b>823.13</b>	<b>827.88</b>	
	<b>Total</b>		<b>12582.06</b>	<b>12654.75</b>	



## ANNEXES

- A Infrastructure works
- B Khulna Zone Plan
- C Satkhira Zone Plan
- D Patuakhali Zone Plan
- E Maximising the impact of Blue Gold Program Extension Methodologies:  
Strategic Action Plan

## Annex A: Infrastructure Works

Rehabilitation Work Progress for New Work 2017-18 & Carried Over Work from 2016-17

Type of Work		km/ nos.	Contract Amount (BDT)	Progress (%) 2017-18	Progress (%) 2016-17	Current Progress (%)	Item Progress (%) 2017-18	Item Progress (%) 2016-17	Current Progress Itemwise (%)	Cum. Progress (%) 2017-18	Cum. Progress (%) 2016-17	Current Progress (%) 2017-18	
<b>TOTAL</b>	R/S	new work	54.947	105,443,077	31	-	31	47	22	25	<b>46%</b>	<b>20%</b>	<b>26%</b>
		carried over work	44.124	62,715,200	74	59	15						
	Rtd.	new work	-	-	-	-	0	74	57	17			
		carried over work	1.735	30,089,812	74	57	17						
	R/E	new work	44.641	66,542,038	30	-	30	48	20	28			
		carried over work	58.415	96,567,457	60	33	27						
	Sluice Repair	new work	3	9,142,278	73	-	73	69	26	42			
		carried over work	22	20,994,257	67	38	29						
	Outlet Repair	new work	-	-	-	-	0	81	80	1			
		carried over work	5	842,825	81	80	1						
	Sluice Cons.	new work	1	10,188,772	0	-	0	50	26	25			
		carried over work	4	74,293,398	57	29	28						
	Outlet Cons.	new work	-	-	-	-	0	-	-	0			
		carried over work	-	-	-	-	0						
	Inlet Cons.	new work	-	-	-	-	0	0	0	0			
		carried over work	1	3,019,135	0	0	0						

Type of Work		km/ nos.	Contract Amount (BDT)	Progress (%) 2017-18	Progress (%) 2016-17	Current Progress (%)	Item Progress (%) 2017-18	Item Progress (%) 2016-17	Current Progress itemwise (%)	Cum. Progress (%) 2017-18	Cum. Progress (%) 2016-17	Current Progress (%) 2017-18
Culvert Cons	new work	-	-	-	-	0	-	-	0			
	carried over work	-	-	-	-	0						
ME Division	new work	-	-	-	-	0	24	5	19			
	carried over work	-	91,529,774	24	5	19						
Pump Shed	new work	-	-	-	-	0	-	-	0			
	carried over work	-	-	-	-	0						
Drain Pipe	new work	-	-	-	-	0	-	-	0			
	carried over work	-	-	-	-	0						
Bank Protection	new work	-	-	-	-	0	-	-	0			
	carried over work	-	-	-	-	0						
Emergency Work (O&M)	new work	7.39	19,038,342	40	-	40	40%	-	40			
	carried over work	-	-	-	-	0						
			<b>590,406,365</b>									

Value & progress of carried over & new works	Amount BDT (Lakh)
Total contract value of carried over works	380,051,858
Last year cumulative progress	32%
Share of contract value for 2017-18	258,435,263

<b>Value &amp; progress of carried over &amp; new works</b>	<b>Amount BDT (Lakh)</b>
2017-18 Progress on Total Contract value	22%
<b>2017-18 Progress on 2017-18 Contract value</b>	<b>32%</b>
Total contract value of new works	210,354,508
<b>Progress of new works</b>	<b>32%</b>
<b>Over all 2017-18 Progress</b>	<b>32%</b>
<b>Anticipated Progress up to 30 June 2018</b>	<b>50%</b>
<b>Anticipated Payment during 2017-18</b>	<b>3,000</b>

## Annex B: Khulna Zonal Plan

### Annual work plan of Khulna Zone

There are 261 WMGs under 11 Polders in BGP, Khulna. In the meantime, 135 WMGs have got registration from BWDB before June, 2017 and 107 WMGs have got registration during reporting period. 100% WMGs in new polders and above 70% WMGs in old polders have raised O&M fund. 3 Upazila orientations have been conducted. 7 Community led Agriculture Water Management (CAWM) have been implemented before June, 2017 while 13 CAWM areas have been selected for FY-2018-2019.

Blue Gold Program facilitated 166 no's Farmers Field School (FFS) on Poultry rearing, Beef fattening, Aquaculture, Homestead vegetables, Dyke vegetables, Fruit tree management including market orientation. Through this 166 nos. of FFS 4150 members were trained on improved production technologies and market orientation. Eight (8) Communities led Fisheries (CLF) were implemented in Khulna, so far.

In the reporting period, 15.22 km Khals have been completed and running 9.04 km (26.44% completed); 10.535 km embankment has completed and 12.470 km (15% completed); 3 nos. Sluices have been repaired and 13 nos. running (64.84% completed); 3 nos. Sluices are under re-construction (73.32% completed)

Cropping Intensity Initiative (CII) was facilitated in Khulna in 13 WMGs' areas. 28-hectare land covered and 39 farmers were involved in CII activities. BGP facilitated 2 batches resource farmers capacity building training on market orientation. 48 resource farmers from 48 WMGs participate on that training. 37 resource farmers and 37 potential / good farmers also visited different market to gather better market knowledge and better linkage. 4 (Four) workshops were organised to promote C/A, business planning and/or private co. linkage development with WMOs and private cos. In Khulna, 79 WMGs collectively purchased T. Aman seeds from different Govt. and private organizations. It is noted that one WMG, named Shibpur Badurgacha under polder 26 already purchased 1.55-ton T-Aman Rice seed collectively.

### Lessons learnt

- If we drain out of excess water within last week of October to 1<sup>st</sup> week of Nov, it would help to create opportunity to cultivate subsequent crop in time.
- If properly follow the crop synchronization, it would help to effectively manage WRM activities
- Community people who were involved actively in Community Led Fisheries and contribute properly those WMGs get satisfactory profit and make WMG united than ever.
- Proper guidance is most important for extension of good practices
- Community led Agriculture Water Management (CAWM) would help to motivate farmers to cultivate HYV crop and efficient water management.

### Objectives of work plan of FY 2018-2019

- Review Program activities and take necessary action according to available resources
- Build professional relationship among WMOs and others stakeholders.
- Ensuring quality work of polder level activities
- Assist and support to Polder team for enhance WMOs functionality
- Reduce gender discrimination and increase alternative Leadership of WMOs;
- Ensure quality inputs and promote collective action.
- Scaling up good practices by the community
- Establish strong relations with UPs, WMGs and BWDB and DAE, DoF, DLS officials.

### Planned Activities of 2018-2019

<b>Planned activities:</b>	<b>Why We Planned</b>
Arrange Zonal Coordination meeting	Progress review and take responsibility for action
Review Monthly polder action plan	Progress update and
Arrange Quarterly Zonal Coordination meeting	Common understanding of project activity and increase coordination
Organize Quarterly staffs meeting at zonal level	Enhance common understanding among Staffs through proper guidance
Annual plan review and sharing with Polder team	Establish proper implementation plan
Attend Tri-zonal Coordination Meeting	Getting unified opinions and result
Polder Coordination meeting	To implement all activities efficiently and effectively
Conduct rapid WMG functionality appraisal	To assess present situation of WMGs and exploring its areas of improvement
Assist to develop operational guidelines for O&M	Effective use of resources
Attend Upazila Coordination Meeting	Increase coordination
Assist WMAs to sign O&M agreement with BWDB	Handover the responsibility of WRM infrastructures to the WMAs
SVC Group Strategic Workshop	To select of promising and profitable product and intervention design
Sharing workshop with DAE/DLS/DoF	To establish network and make relation among the department and WMOs
Exposure visit for WMGs members	Scale up good practices with transformation farmer to farmer knowledge and experience
Input Trader Capacity Building Training	To ensure quality inputs and services

## Polderwise Annual Work Plan of Khulna

### Phasing-out Polders

## 3.1 Polder 22

### Progress to end-June 2018

A total of 12 WMGs have been established under an umbrella of one WMA. Already 12 WMG got registration from BWDB and WMA registration under process. Total (3.900 + 0.375) km = 4.275 km Re sectioning and Repair of the Embankment already completed.

Already 9.265 km Re-excavation of Khal completed. 2 sluice, 3 outlets, 1 inlet repairing already completed. 1 outlet repairing on going and 01 Construction of Inlet also on going.

10 MFS Cropping System and 17 FFS (TA) were conducted where 341 male and 334 female farmers were trained up on cropping system and Sesame, Homestead Vegetables, Fish, Poultry and Beef fattening. DAE facilitated 66 FFS where 1650 male and 1650 female were trained on T-Aman Rice, Sesame, Mung bean, Watermelon etc. One workshops already conducted on Promote Collective action, Business planning and Linkage with Private Sector with WMG and One linkage building workshop between RF/ CF/LF/FT & Market actors have been done. WMG level collective action on Watermelon seed, Fertilizer, Tillage land, collectively excavate mini ponds for irrigation, Moringa and Inputs has already started. Collectively participation for embankment repairing also remarkable in polder 22.

### Lessons learnt

In functional WMG all members shall be active and participating for improved water management benefits for better production and income shall be equally shared among WMG members. Otherwise a WMG cannot sustain. Through Blue Gold Program different types of activities, the polder dwellers can learn new technologies for production, income generation and also participatory water management. Best practices from different activities gradually expanded through horizontal learning. Some collective actions for water management, buying inputs and selling products also benefit the WMG members. If WMG can regularly manage infrastructure properly for better water management they will harvest the benefits from it.

### 2018 / 2019 Objectives

Objectives of the of this planning are as follows:

- Assist WMG to be more functional so that they can play a role by themselves for Water Management.
- Establish a functional WMA
- Improve performance of the WMGs for infrastructure management, OM and CA`s
- Develop Gender and Leadership among the WMG members.
- Include members of WMGs in UP standing committee;
- Promote collective action, business planning and Linkage with private sector.
- Linkage establishment among RF, CF, LF, FT and market actors; and
- Establish strong relations with DAE, DLS, DoF, UPs, WMGs and BWDB officials.

3.1.1 Annual Work Plan of Polder 22 with timeline

Sl.#	Task Name	Target	2018-19												Remarks	
			Ju	A	S	O	N	D	J	F	M	A	M	J		
<b>Organizational Management</b>																
1	Assist Cataachment Committee to prepare andimplement O&M plan	3 nos.	X			X				X			X			
2	Assist WMGsto conduct election of 2nd Executive Committee	1 no.			X	X										
3	Assist WMG for WAP formulation, Review and implementation	12 nos.	X		X	X			X	X		X	X			
4	Assist WMGsto arrange quarterly general meeting	36 os.	X		X	X			X	X		X	X			
5	Assist WMGs to arrenge annual general meeting	12 nos.	X													X
6	Assist WMGs to collect regular savings and deposite in Bank A/C	200,000	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	Assist WMGs for raising O&M fund	30,000	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	Up dating books and records	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	Provide need-based capacity bulding informal training to WMGs by CDFs	As per requirement							X	X	X	X	X	X	X	X
10	Assist WMGs to operate collective IGAs	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	Identification of good practices	6 events														
12	Preparation of fact sheet	6 events	X		X	X			X			X	X	X	X	
13	Organize experience sharing visit	1 batch			X											



14	Learning sharing/ Networking Workshop	2 batch						X	X	X	X	X	X	X	
15	Organize training for Catchment O&M Committee	1 batch						X	X	X	X	X	X	X	
16	Assist Cataachment committee for up dating catchment-level water management and O&M planning	3 nos.						X	X	X	X	X	X	X	
17	Organize WMG and UP joint Planning meeting	As per requirement	X	X							X	X	X	X	
18	Assist WMG to Build up Linkage & Networking with LGIs, BWDB, DAE, DLS, DOF and others	As per requirement	X	X	X	X	X	X	X	X	X	X	X	X	
19	Attend Union Development Coordination Meeting for sharing polder activity	1 UP	X	X	X	X	X	X	X	X	X	X	X	X	
20	Assist WMGs for Auditing by BWDB		X	X	X	X	X	X							
21	Attend monthly polder coordination meeting	12	X	X	X	X	X	X	X	X	X	X	X	X	
22	Phasing out meeting with polder stakeholders														
<b>B</b>	<b>Water Resource Management</b>														
1	Construction of Retired Embankment at Kalinagar 2.00 km to 2.550km.	0.550 Km						X	X	X	X	X	X	X	
<b>C</b>	<b>Agriculture and Economic Development</b>														
1	VC Constraint Analysis/curriculum development/intervention designing workshops	1			X										
2	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1						X							
3	GL+CF+RF+PF+FT linkage workshop	1 workshop							X						

4	Linkage meeting/workshop/seminar with VC actors	1 workshop			X										
5	Workshop to discuss constrains and solutions of VC	1								X				X	
6	Actor Meeting (linkage/discussion/negotiation/intervention designing)	2 workshops								X					
<b>D</b>	<b>Gender Mainstreaming</b>														
1	Coutyard Meeting on Gender Awareness Raising	48 Nos	X	X	X	X	X	X	X	X	X	X	X	X	
2	Women empowerment through horizontal Learning	6 WMGs				X	X					X	X		
<b>E</b>	<b>Training and Communication</b>														
1	Vedio demonestration	06 Shows		X	X	X	X	X	X	X	X	X	X	X	
2	Case study/ Good practices	1		X	X	X	X	X	X	X	X	X	X	X	
<b>F</b>	<b>MRL Activities at Zonal and Polder Level</b>														
1	WMG Tracker WMG Level	12 WMGs				X						X			
2	Participatory Monitoring WMG level	12 WMGs				X			X			X			
3	Participatory Monitoring WMA level	1 WMA						X						X	
4	Impact Monitoring Surveys	12 WMGs						X						X	
5	Sharing of and reflection on monitoring results	2 Times						X						X	

## 3.2 Polder 26

### Progress to end- June 2018

A total of 15 WMG were formed in this polder. 6 catchments areas have been indentified and also 6 catchment committees formed. The catchment committee has successfully worked on removal of silt with WMG members in 3 catchment areas. The O&M training completed only one catchment committee out of 6 catchments. The training for gate operator of 6 catchment committee completed. To work with the catchment committee for infrastructure management 4 CRP has identified and trained. The re-sectioning of embankment was planned for one km and during the reporting period one km successfully completed. Re-excavation of khal was planned 10.020 km and 5.30 km achieved. It was planned to complete 2 sluices but during the reporting period about 80 % work of sluice completed.

All the 15 WMG monthly meeting were organized on regular basis and 50 % quarterly meeting was organized. Nine WMG started saving collection and O&M fund and collected Tk. 40,555/- by 12 WMG out of 15 WMG. The 30 LCS worked on infrastructure, out of 33 LCS. Two CII were implemented by three WMG and they learnt about the performance of rice variety BR 10. Jiyaltola WMG visited CAWM in polder 29 and learnt the activities of CAWM. They planned to implement CAWM in their areas. WMA have been submitted necessary documents to BWDB for registration but not get registration yet. The WMG members have planted about 2500 Moringa cutting in the homestead and also roadside areas completed the PMS by themselves. The communication, coordination, linkage and liaison with the UP have developed compared to the the previous years. As a result, UP helped in WMG activities in different ways. Infrastructure activities like re excavation of khal helped proper water management which helps increasing cultivation of Boro rice, Robi crops and T. Amon rice in the polder areas.

### Lessons learnt

- Where the executive committee of WMG are active, there WMG activities are running well and functioning, and that WMG will be sustainable.
- WMG members have collectively worked and removed silt in 3 catchments areas.
- A strong communication, liaison, and network have developed with UP, DAE and BWDB which helps them to make a functional WMG.
- Delayed payments of LCS money, sometimes WMG became demotivated and lose their interest for WMG activities, as a result WMG members not helping CDF properly.
- Some FFS members are running the home garden, poultry and beef fattening activities.
- WMG members are getting benefits for the re-excavation of khal, making embankments.

### 2018 / 2019 Objectives

- It's a phase-out Polder. Objectives of the planning are as follows:
- Establish at least 70 % WMG are functional WMA;
- For proper water management, emphasis will be given on infrastructure activities
- Improve performance of the WMGs;
- Capacity development of WMA
- Develop knowledge and skill of WMG members of GLD

## Blue Gold Program



- Promote collective action, business planning and Linkage with private sector;
- Develop skill of women on market linkage
- Linkage establishment among CF, LF, and market actors;

3. 3.2.2 Annual Work Plan of Polder 26 with timeline

	Task Name	Target	2018						2019					
			Ju	Au	S	O	N	D	J	F	M	A	M	J
<b>A</b>	<b>Organizational Management</b>													
1	Assist WMA to organize WMA meeting	6 nos.	x		x		x		x		x		x	
2	Assist Catchment Committee to prepare and implement O&M plan	6 nos.	x			x			x			x		
3	Assist WMGs to organize quarterly meeting of WMGs	45 nos.	x	x	x	x	x	x	x	x	x	x	x	x
4	Assist WMGs to collect O&M fund	30000	x	x	x	x	x	x	x	x	x	x	x	x
5	Assist WMGs to collect Savings and deposit in Bank A/Cn	100,000	x	x	x	x	x	x	x	x	x	x	x	x
6	Assist to operate Individual IGA in WMG level	5 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
7	Provide need base capacity building of WMG/WMA	As per requirement		x	x	x	x	x	x	x	x	x	x	x
8	Assist WMA and XEN for signing O&M Agreement between WMA and BWDB	1 no.		x										

9	Identification of good practices	10 events	x	x	x	x	x	x	x	x	x	x	x	x
10	Preparation of fact sheet	10 events	x	x	x	x	x	x	x	x	x	x	x	x
11	Organize experience sharing visit	2 batch		x	x									
12	Learning sharing / Networking Workshop	6 WMG	x		x		x		x			x		x
13	Assist WMGs for WAP formulation, review and implementation	15 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
14	Attend polder coordination meeting	12 nos.	x	x	x	x	x	x	x	x	x	x	x	
15	Conduct functionality assessment of WMG	15 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
16	Assist WMGs to organize Annual General Meeting (AGM)	15 WMGs	x						x	x				
17	Assist WMGs to conduct election of 2nd Executive Committee	7 WMGs	x	x	x	x								
18	Conduct court yard meeting on gender issues	96 Nos	X	X	X	X	X	X	x	x	x	x	x	x
19	Observation disaster preparedness week	15 WMGs				x					x			
20	Phasing out Meeting with polder level stakeholders	1 no.			X									
<b>B</b>	<b>Water Resource Management</b>													
1	Re-sectioning of embankment	0.700 km							x	x	x	x	x	x

2	Re-exavation of Khal	12.77 km							x	x	x	x	x	x
3	Construction of sluice	2 No. (Part)							x	x	x	x	x	x
4	Construction of culvert	5 Nos							x	x	x	x	x	x
5	Supply of drainage pipe	200 m							x	x	x	x	x	x
<b>C</b>	<b>Agriculture and Economic development</b>													
1	Implementation of CAWM	1	x	x	x	x	x	x	x	x	x	x	x	x
2	New crop variety (Vegetables) demonstration by private sector	2 plots	x	x	x	x	x	x	x	x	x			
3	Establishment of small scale nursery by two WMG members	2	x	x	x	x	x	x	x	x	x	x	x	x
4	Organize training/workshop on CA, market related issues	1 Batch				x								
<b>D</b>	<b>MRL</b>													
1	Assist WMGs to conduct participatory monitoring	15 Nos				x						x		
2	Prepare WMOs Tracker	15 WMGs				x			x			x		
3	Assist WMA to conduct participatory monitoring	1 WMA										x		
4	Result Sharing with polder team	2 Nos					x						x	

### 3.3 Polder- 30

#### Progress to end-June 2018

A total of 40 WMGs have been established under an umbrella of one WMA. A WMA office has also been established in the polder. WMGs have been taught how to keep accounts. O & M fund have been raised of 33 WMG out of 40. Two workshops -one with WMO to Promote Collective action, Business planning and Linkage with Private Sector and another one on linkage workshop between RF/ CF/LF/FT & Market actors have been done. Sixty MFSs were conducted (cropping system -24, Poultry- 12 and Sesame- 24) where 1500 male and female farmers were trained up on cropping system, Poultry and Sesame. On the other hand, a total of 53 FFSs were conducted on fish culture, beef fattening, poultry, vegetables and nutrition where 1325 male and female farmers were trained up. In collaboration with BAU eight demonstration plots of dragon fruit have been established and they are fruiting and extended. In 2017 Blue Gold has distributed 2400 ducklings and 800 fruit tree saplings.

A total of 19.10 Km canal (out of 26.10 Km) has been Re-excavated and 15.87 kl embankment (out of 15.91 Km) has been re-sectioned. Six sluices have been repaired and repairing of another three is going on.

#### Lessons learnt

The strong organizational committee can hold a functional WMG where the members of the WMG get the equal benefit. Otherwise a WMG cannot sustain. Blue Gold implementing different activities in the polder level among which the activities through which members of WMG getting benefit are sustaining; e.g. beef fattening, new crop introduction, poultry rearing through improved methods are sustaining in the polder. Some collective actions sustain through which the members of WMG get benefits.

#### 2018 / 2019 Objectives

It's a phase-out Polder. Objectives of the of this planning are as follows:

- Establish a functional WMA;
- Establish functional WMGs;
- Develop Gender and Leadership;
- Promote collective action, business planning and Linkage with private sector;
- Linkage establishment among RF, CF, LF, FT and market actors; and

Establish strong relations with UPs, WMGs and BWDB and DAE officials.



### 3.3.1 Annual Work Plan of Polder 30 with timeline

S. N	Task Name	Target	2018						2019						Remarks
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
A	<b>Organizational Management</b>														
1	Assist Catchment Committees prepare and implement O&M Plan	11 nos.	X			X			X			X			
2	Assist WMGs to organize quarterly meeting of WMGs	120 nos.	X		X	X		X	X		X	X			
3	Assist WMGs to organize annual general meeting of WMGs	40 WMGs	X	X	X										
4	Assist WMGs to collect O&M fund (40 WMGs X 3000/-)	120,000/-	X	X	X	X	X	X	X	X	X	X	X	X	
5	Assist WMGs to collect regular savings and deposit in Bank A/C (40 WMGs)	100,000/-	X	X	X	X	X	X	X	X	X	X	X	X	
6	Assist WMGs to operate collective IGA	10 WMGs	X	X	X	X	X	X	X	X	X	X	X	X	
7	Assist WMA and XEN to sign O&M Agreement between WMA and BWDB	1 no.	X												
8	Assist WMGs for WAP formulation, review and implementation	40 WMGs	X			X			X			X			
9	Interanational Women's day and NDPD observation by WMGs	2 times				X					X				
10	Attend Polder Coordination Meeting	12	X	X	X	X	X	X	X	X	X	X	X	X	
11	Conduct functionality assessment of WMG	40	X												
12	Conduct functionality assessment of WMA	1	X												

13	Organize joint planning meeting between WMG and UP	As per requirement	x	x							x	x	x	x	
14	Observance of Disaster Preparedness week	2 nos.				x				x					
15	Assist WMA to form monitoring committee and monitor its activities by WMA	1 no.						x	x	x	x	x	x	x	
16	Provide need-based capacity building of WMG/WMA	20	x	x	x	x	x	x	x	x	x	x	x	x	
17	Assist WMGs for Auditing by BWDB	40 WMGs	x	x	x	x	x	x							
18	Phasing out meeting with polder level stakeholders	1 no.			x										
<b>B</b>	<b>Water Resource Management</b>														
1	Re-excavation of Khal	3km					x	x	x	x	x	x	x	x	
2	Construction of sluice	1 no.					x	x	x	x	x	x	x	x	
3	Supply of Drain pipe	400 m					x	x	x	x	x	x	x	x	
4	Low cost Bank protection	0.5km					x	x	x	x	x	x	x	x	
5	Pump Shed.	1 No.					x	x	x	x	x	x	x	x	
<b>C</b>	<b>Agricultural and Economic Development</b>														
1	Provide technical support to WMGs to improve cropping system	10 WMGs		x	x			x	x	x					
2	Assist producer groups to promote the collective action at WMO's level	10 groups	x	x	x	x	x	x	x	x	x	x	x	x	
3	Assist producer groups under WMOs in network and linkage building among private sectors and business man	10 groups	x	x	x	x	x	x	x	x	x	x	x	x	

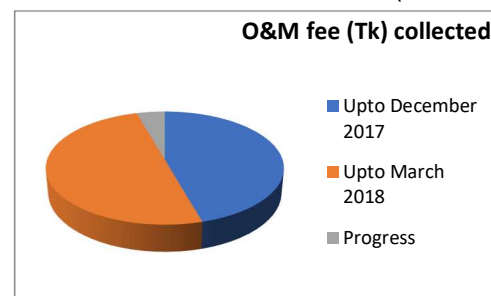
D	Gender Mainstreaming														
1	Conduct GLD training in the WMG level	36 nos.		X	X	X	X	X	X	X	X	X	X	X	
2	Coutyard meeting on gender awareness raising	48 nos.	X	X	X	X	X	X	X	X	X	X	X	X	
5	Women empowerment through horizontal Learning of WMGs members	6 WMGs				X	X					X	X		
E	Training and Communication														
1	Vedio demonstration	6 nos.		X	X	X	X	X	X	X	X	X			
2	Popular Theater	1 no.					X	X	X						
3	Case study/ Good practices	As per requirement		X	X	X	X	X	X	X	X	X			
D	MRL Activities														
1	WMG tracker (WMG level)	40 WMGs													
2	Participatory monitoring of WMGs	40 WMGs				X						X			
3	Participatory monitoring of WMA	1 WMA				X						X			
4	Impact Monitoring Surveys	40 WMGs						X						X	
5	Sharing results of WMG tracker and participatory monitoring	2 times						X						X	

### 3.4 Polder- 29

#### Progress to upto now-June 2018

Polder 29 is the biggest polder among IPSWAM polders in Khulna in considering its area, population and numbers of WMGs. A total of 56 WMGs have been established under two WMAs. O&M fund have been raised of 51 WMGs out of 56 (the chart shows a snapshot on O&M Fund).

Workshops have been conducted especially on 'Collective Action, Business Planning and Linkage with Private Sectors, & Market Actors have been also completed. 65 FFSs were conducted on different modules for introducing improved technologies on agriculture, poultry and livestock. On the other hand, a total of 1384 WMG members participated in collective action for O & M activities and 783 members took part in collective action.



Out of 156.446 km canals 25.070 km canal has been re-excavated and 4.550km re-excavation work is ongoing when RDPP Provision is 29.620km. In re-sectioning of embankment, we have already accomplished 16.387km and running work of 1.993km along with 1.740km of retired embankment work. We have completed repair works of 6 sluices and repair work is running of 6 sluices.

#### Lessons learnt

If there is a true agreement and harmony in a certain water management group with a solid work spirit, then the group can be successful with achieving the desired goals with all its members.

#### 2018 / 2019 Objectives

Objectives of the planning of this phase-out polder are to-

- Establish WMAs as an independent and functional apex forum of WMGs;
- Strengthen more WMGs as if they can function more confidently;
- Promote collective action, business planning and Linkage with private sector;
- Linkage establishment among RF, CF, LF, FT and market actors;
- Develop Gender and Leadership; and
- Establish strong relations with UPs, WMGs and BWDB and DAE officials.

## 3.4.1 Annual Work Plan of Polder 29 with timeline

Sl. No.	Task Name	Target	2018						2019					
			Ju	Au	S	O	N	D	J	F	M	A	M	J
<b>A</b>	<b>Organizational Management</b>													
1	Assist WMGs to prepare and implement Catchment O&M Plan	11 nos.	x	x	x	x	x	x	x	x	x	x	x	x
2	Assist WMAs to organize Polderwise Planning meeting	1 no.		x										
3	Assist WMGs to organize quarterly meetings	168 nos.			x			x			x			
4	Assist WMGs to organize annual general meetings	56 nos.												
5	Organize UP and WMGs Joint planning meeting	4 Ups	x	x							x	x	x	x
6	Assist WMA to participate in Upazila coordination meeting	6 times		x		x		x		x		x		x
7	Attend Polder Coordination Meeting	12 nos.	x	x	x	x	x	x	x	x	x	x	x	x
8	Assist WMGs to collect O&M fund	112,000/	x	x	x	x								
9	Assist WMGs to collect regular Savings and deposit in Bank	800,000/-	x	x	x	x	x	x	x	x	x	x	x	x
10	Assist WMGs to collective IGA	20 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
11	Conduct training for Catchment Committees on O&M	2 batch					x							
12	Assist WMA and XEN for O&M Agreement between WMA and BWDB	1 no.	x	x	x									
13	Assist Catchment Committee for water management and O&M Plan	11 nos.	x			x			x			x		
14	Observance of Disaster Preparedness week	2 nos.				x				x				

Sl. No.	Task Name	Target	2018						2019						
			Ju	Au	S	O	N	D	J	F	M	A	M	J	
16	Assist WMA to form monitoring committee and monitor its activities	1 no.							X	X	X	X	X	X	X
17	Assist WMGs for WAP formulation, review and implementation	56 nos.	x	x	x										
19	Assist WMG to conduct 2nd election of Executive Committee	2 WMG		x	x	x	x								
20	International Women's day observation by WMGs	1 day		x											
21	Phasing out Meeting with polder level stakeholders	1 no.			x										
<b>B</b>	<b>Water Resource Management</b>														
1	Retd. Embankment	1.74Km (Part)	x	x	x	x	x	x	x	x	x	x	x	x	x
2	Re-exavation of Khal	4.55 km	x	x	x	x	x	x	x	x	x	x	x	x	x
3	Repair of sluice	5 nos. (Part)	x	x	x	x	x	x	x	x	x	x	x	x	x
4	Construction of outlet	1no.	x	x	x	x	x	x	x	x	x	x	x	x	x
5	Supply of Drain pipe	400 m	x	x	x	x	x	x	x	x	x	x	x	x	x
6	Construction of sluice	1 no.	x	x	x	x	x	x	x	x	x	x	x	x	x
<b>C</b>	<b>Agricultural and Economic Development</b>														
1	Support Demonstrations/trials on cropping system	2 plots				x	x	x	x					x	x
2	Form and strengthening the producers group to promote the collective action at WMO's level	20 groups	x	x	x	x	x	x							
3	New crop variety demonstration by private sector	2 plots				x	x								

Sl. No.	Task Name	Target	2018						2019						
			Ju	Au	S	O	N	D	J	F	M	A	M	J	
4	Conduct a meeting for MFS/ Non-MFS members for networking & CA	24 sessions		x	x			x	x			x	x		
5	Discuss regarding WRM and its impact on crop production in the WMG meeting	56 meeting					x	x	x						
6	Support CAWM initiative	2 nos.	x	x	x	x	x	x							
7	Facilitate linkage among WMG/Private company	20 groups					x	x	x	x	x	x			
8	Facilitate linkage among WMG/micro enterprises	1 batch					x								
9	Assist WMGs to implement CII	15 nos.	x	x	x	x	x	x							
10	Organize HL events	2 events	x	x	x	x	x	x							
<b>D</b>	<b>Gender Mainstreaming</b>														
1	Conduct GLD training in the WMGs	36 nos.		x	x	x	x	x	x	x	x	x	x	x	x
2	Coutyard meeting on gender awareness raising	48 nos.	x	x	x	x	x	x	x	x	x	x	x	x	x
3	Women empowerment through HL	6 WMGs					x	x					x	x	
<b>E</b>	<b>MRL Activities</b>														
1	Participatory monitoring in 56 WMGs (56x2)	112 nos.					x	x					x	x	
2	Participatory monitoring in 2 WMAs (2x2)	4 nos.					x	x					x	x	
3	WMG Tracker (56x4)	224 nos.	x				x			x			x		
4	Sharing of and reflection on monitoring results	4 meetings	x				x			x			x		

## 3.5 Polder 31 part

### Progress to end-June 2018

A total of 12 WMGs have been established under an umbrella of one WMA. Already 12 WMG got registration from BWDB and WMA registration under process. 8.622 km Embankment Re sectioning already completed and another 2.700 Km on going. Already 10.645 km Re-excavation of Khal completed and another 11.275 km on going. One Inlet and One sluice construction on going and four repairing of sluice also on going. Four MFS Cropping System and 14 FFS were conducted where 161 male and 289 female farmers were trained up on cropping system and Sesame, Homestead Vegetables, Fish, Poultry and Beef fattening. DAE facilitate 4 FFS where 100 male and 100 female farmers were trained up on Boro Rice, T-Aman Rice and Sesame etc. One workshops already conducted on Promote Collective action, Business planning and Linkage with Private Sector with WMG and one linkage building workshop between RF/ CF/LF/FT & Market actors have been done. WMG level collective action on T-Aman Rice seed, Boro Rice Seed, Fertilizer and Moringa already started and it will be increases day by day. LCS works already completed successfully and especially female participation in LCS work was very inspiring.

### Lessons learnt

A functional WMG where the members are active and participating for improved water management there all the WMG members get the equal benefits for better production and income. Also, without proper operation and maintenance of water management infrastructure WMG`s cannot get economic benefit from agricultural activities. Otherwise a WMG cannot sustain. Through Blue Gold Program different types of activities, the polder dwellers can learn new technologies for production, income generation and also participatory water management. Best practices from different activities gradually expanded through horizontal learning. Some collective actions for water management, buying inputs and selling products also enhance WMG members befitted. If WMG can regularly manage infrastructures properly for better water management they will get befits properly.

### 2018 / 2019 Objectives

Objectives of the of this planning are as follows:

- Assist WMG to be more functional so that they can play a role by themselves for Water Management.
- Establish a functional WMA
- Improve performance of the WMGs for infrastructure management, OM and CA`s
- Develop Gender and Leadership among the WMG members.
- Include members of WMGs in UP standing committee;
- Promote collective action, business planning and Linkage with private sector.
- Linkage establishment among RF, CF, LF, FT and market actors; and
- Establish strong relations with DAE, DLS, DoF, UPs, WMGs and BWDB officials.



## 3.5.1 Annual Work Plan of Polder 31 Part with timeline

Sl. #	Task Name	Target	2018-19													
			Ju	Au	S	O	N	D	J	F	M	A	M	J		
<b>➤ Organizational Management</b>																
1	Assist WMGs to conduct election of 2nd executive committee	5 nos.			X	X										
2	Assist WMGs for WAP (WMG Action Plan) formulation, review and implementation	12 nos.	X		X	X		X	X		X	X				
3	Assist WMGs to facilitate monthly meetings of executive committes	144 nos.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	Assist WMGs for organizing quarterly general meeting	36 nos.	X		X	X		X	X		X	X				
5	Assist WMGs for organizing annual general meeting	12 nos.	X													X
6	LCS formation and mobilisation	As per requirement					X	X	X	X	X	X	X	X	X	X
7	Assist WMGs to collect regular savings/deposit in Bank and its follow up	200000	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	Assist WMG O&M fund raising (Tk.)	20000	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	Assist WMGs for up dating books and records	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	Provide need-based capacity bulding informal training to WMGs by CDFs	As per requirement						X	X	X	X	X	X	X	X	X
11	Assist WMGs to operate collective IGAs	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	Assist WMGs to operate individual IGAs	01 no.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	Organize exposure/ learning sharing- visits	02 batch	X			X	X					X				

14	Identify good practices & organize horizontal learning	As per requirement	X	X	X	X	X	X	X	X	X	X	X	X	X
15	Organize Catchment O&M planning workshop	8 batch						X	X	X	X	X	X	X	X
16	Assist catchment committee for up dating catchment-level water management and O&M plan	8 nos.						X	X	X	X	X	X	X	X
17	Assist WMA to organize joint planning meeting between WMG &UP	1 no.	X	X											
18	Observance of Disaster Preparedness week	2 nos.				X				X					
19	Assist WMA to form monitoring committee and monitor its activities by WMA	1 no.						X	X	X	X	X	X	X	X
20	Assist WMGs to build up linkage & networking with LGIs, BWDB, DAE, DLS, DOF and others	As per requirement	X	X	X	X	X	X	X	X	X	X	X	X	X
21	Attend Union Development Coordination Meetings for sharing polder activities	6 nos.	X	X	X	X	X	X	X	X	X	X	X	X	X
22	Conduct monthly polder coordination meeting	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X	X
23	Develop Documentation/ Vedio on Good practices and HL	1 nos.					X								
<b>B</b>	<b>Water Resource Management</b>														
1	Re-sectioning of embankment	3.12 km						X	X	X	X	X	X	X	X
2	Re-exavation of Khal	1.45 km						X	X	X	X	X	X	X	X
3	Repair of sluice	1 no.						X	X	X	X	X	X	X	X
4	Retired embankment	1 km													
<b>C</b>	<b>Agriculture and Economic Development</b>														
1	Assist CDF`s to facilitate 6 FFS on 11 cycles	4 nos.	X	X	X										
2	Assist CDF`s to facilitate 6 FFS on 12 cycles	4 nos.				X	X	X	X	X					
3	Observance farmers field day	12 nos.			X				X	X					
4	Completion of end line survey (FFS: Cycle 11 &12)	8 nos.			X	X				X	X				

5	Assist WMG to implement CII	1 no.	X	X	X	X	X	X	X	X	X	X	X	X
6	VC constraint analysis/curriculum development/intervention designing workshops	1 no.			X									
7	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1 no.					X							
8	GL+CF+RF+PF+FT linkage workshop	1 no.						X						
9	Linkage meeting/workshop/seminar with VC actors	1 no.			X									
10	Workshop to discuss constrains and solutions of VC	1 no.								X				X
11	Actors' meeting/workshop (linkage/discussion/negotiation/intervention designing)	2 nos.								X				
12	Resource Farmers Capacity Building Training	1 batch	X											X
13	Market visit by Resource Farmers	1 batch		X										X
<b>D</b>	<b>Gender Mainstreaming</b>													
1	Conduct GLD training in the WMG level	36 nos.		X	X	X	X	X	X	X	X	X	X	X
2	Coutyard meeting on gender awareness raising	48 nos.	X	X	X	X	X	X	X	X	X	X	X	X
5	Women empowerment through horizontal Learning of WMGs members	6 WMGs				X	X					X	X	
<b>E</b>	<b>Training and Communication</b>													
1	Vedio demonstration	6 nos.		X	X	X	X	X	X	X	X	X	X	X
2	Popular Theater	1 no.					X	X	X					
3	Case study/ Good practices	As per requirement		X	X	X	X	X	X	X	X	X	X	X
<b>F</b>	<b>MRL Activities at Zonal and Polder Level</b>													
1	WMG Tracker (WMG Level)	12 WMGs				X						X		
2	Participatory Monitoring (WMG level)	12 WMGs				X			X			X		

3	Participatory Monitoring (WMA level)	1 WMA						X						X
4	Impact Monitoring Surveys	12 WMGs						X						X
5	Sharing results of WMG tracker and participatory monitoring	2 times						X						X

## Phising-in Polders

### 3.6 Polder 25

#### Progress to end-June 2018

##### Organizational Management:

57 WMGs Executive committee have formed out of 61 WMGs (3 WMGs Ad-hoc committee activity are on-going and 1 WMG yet not started due to political conflict. Total 16555 household and 16974 members enrolled under 60 WMGs where are Male-8543 and Female 8435. 57 WMGs got registration. WMGs have been collecting different type of fund and have collected Savings (BDT) 361510.00, Operation and maintenance (BDT.) 341770.00 and Miscellaneous (BDT.) 408800.00. 17 WMGs have planned their WMG Action Plan. 31 WMGs opened their WMG Bank accounts.46 WMGs organized quarterly meeting. 26 LCS have formed under 17 WMGs for re-excavation of khals in FY 2017-2018 but yet not got work order.

##### Water Resource Management:

Total 18 numbers with 54.39km khals survey completed by survey team and design data submitted. 7 numbers with 24 km re-excavation of khals have planned in FY 2017-2018 out of 54.39 by LCS and contactor but yet not got work order from BWDB.6.400km re-sectioning of embankment completed by contractor and In polder-25 maximum main khals are closed by Water hyacinth for that reason internal water flow system fully hampered. During WMGs monthly and quarterly meeting and UP meeting polder team shared barrier of effective water management and role of Water management group. After that WMGs realized and 18 WMGs - with union Parishad jointly cleaned water hyacinth in differen khals on 15.5 Km. Rudaghor WMG regularly maintain their sluice.

##### Agriculture and Economic Development:

FY 2017-2018 BGP TA completed 9<sup>th</sup> cycle FFS in 21 WMGs and 10<sup>th</sup> cycle FFS in 22 WMGs. Total of 43 WMGs with their 1075 members have gathered improved knowledge and skill on new production techniques. 24 FTs got foundation training Through FFS activities,11 cycle 52 FFS are ongoing on Beef fattening, Poultry rearing, Dyke Vegetable, Fish culture and Fruits tree plantation. Polder and Zonal team facilitated different market orientation meeting/workshop by the participation of different level of market actors.27 WMGs initiated collective action activities by established business linkage with market actors. They are doing collective selling of the product, purchasing of production inputs and vaccination campaign.

For increasing the cropping intensity as well as better cropping pattern and community led water management in the polder area, Blue Gold program organized horizontal learning sharing visit in 7 WMGs. As a result, 3 WMGs have selected 3 plots for CII and 5 WMGs have selected 5 areas for CAWM implementation in FY 2018-2019

##### Gender Mainstreaming:

Total of 57 WMGs have formed executive committee where 248 women are involved. Out of 248 women 62 are holding good position in EC such as; President-05, Vice President-11, Secretary- 1. Joint secretary -24 and cashier-21. Polder team has been facilitating and organizing various type of activity such as; courtyard meeting, mass meeting, international women's day observed, one to one contact and share of good example within the community for reducing violence against women and increasing accessibility of women in different decision-making process. As a result, 49 WMGs have covered above 40% women in WMGs.

**MRL:** Conducted refreshers training for CDF's on PMS and CDFs facilitated 55 PMS which was done by WMGs. Fifty-nine (59) WMGs Tracker have completed.

### Lessons learnt

- Community immersion is very important but need to more time to change their traditional attitude. Without Infrastructure development effective water management by WMG it's challenge.
- WMG's functionality is depending with engaged in work of executive committee. The WMG's where executive committee are proactive and potent; those WMG's are going very well.
- Delay infrastructure works are barrier of growing up functional WMGs
- New technology adaptation trial and capacity building training support through FFS or other activity are helped to strengthen of WMGs.
- Good linkage and collaboration is reduced conflict

### 2018 / 2019 Objectives

Overall Objective of this plan in Phase in Polder:

- Capacity development of WMG's and WMA so that they can make plan for their own development as well as make a strong relationship with UP, BWDB, DAE and other relevant line agencies to access different services and support for better water management for better crop production.
- Increase knowledge and skills on beef fattening, poultry rearing and fruit tree management which will help for creation of more production and market linkage
- Development of infrastructure for better water management
- Make a strong linkage with inputs and out puts markets actors for availability of quality inputs and better markets price of their products
- Develop knowledge and skill of WMG members on GLD, create awareness on gender issues and develop skill of women on market linkage

3.6.1 Annual Work Plan of Polder 25 with timeline

S. N	Task Name	Target	2018-19											
			Ju	Au	S	O	N	D	J	F	M	A	M	J
➤	<b>Organizational Management</b>													
1	Assist ad-hoc committee to enroll minimum 55% Household in WMG	1 WMG	X	X										
2	Assist election committee for conducting election of Executive Committees	1 WMG		X										
3	Assist WMGs to submit registration documents to BWDB	3 WMGs		X	X									
4	Assist WMA to form WMA Ad-hoc Committee	2 WMAs			X									
5	Assist election committee to form WMA executive committee	2 WMAs				X	X							
6	Assist WMA to submit registration documents to BWDB	2 WMAs					X	X						
7	Assist WMG for WAP (WMG Action Plan) formulation, review and implementation	61 WMGs	X		X	X		X	X		X	X		
8	Assist WMGs to organize monthly meeting	732 nos.	X	X	X	X	X	X	X	X	X	X	X	X
9	Assist to WMGs for organizing quarterly general meeting	183 nos.	X		X	X		X	X		X	X		
10	Assist to WMGs for organizing Annual general meeting	61 nos.	X											X
11	Assist WMG to form Sub Committee	61WMGs	X											X
12	LCS formation and mobilization	As per requirement					X	X	X	X	X	X	X	X
13	Assist WMGs to collect regular savings and deposition in Bank A/C.	1,200,000	X	X	X	X	X	X	X	X	X	X	X	X

14	Assist WMG for raising O&M fund raising	100,000	X	X	X	X	X	X	X	X	X	X	X	X
15	Assist WMGs for up dating books and records	61 nos.	X	X	X	X	X	X	X	X	X	X	X	X
16	Provide need-based capacity bulding informal training to WMG/WMA	As per requirement						X	X	X	X	X	X	X
17	Assist WMG to operate collective IGAs	15 nos.	X	X	X	X	X	X	X	X	X	X	X	X
18	Assist WMGs to operate individual IGAs	20 nos.	X	X	X	X	X	X	X	X	X	X	X	X
19	Identification of good practices	25 nos.												
20	Preparation of fact sheet	25 nos.	X	X	X	X	X	X	X	X	X	X	X	X
21	Organize experience sharing visit	10 nos.			X	X					X	X		
22	Learning sharing/ Networking Workshop	2 nos.						X	X	X	X	X	X	X
23	Assist WMA to form Catchment O&M Committee	11 nos.					X							
24	Organize Catchment O&M planning workshop	11 nos.						X	X	X	X	X	X	X
25	Assist WMGs for up dating catchment-level water management and O&M plan	11 nos.						X	X	X	X	X	X	X
26	Organize WMG and UP joint planning meeting	10 nos.	X	X							X	X	X	X
27	Observance of Disaster Preparedness week	61 WMGs				X				X				
28	Assist WMG to prepare CAWM Joint Plan and implement	5 Areas	X	X	X	X	X	X	X	X	X	X	X	X
29	Formation and mobilization of monitoring committee	As per requirement						X	X	X	X	X	X	X
30	Assist WMG to Build up Linkage & Networking with LGIs, BWDB &DAE	As per requirement	X	X	X	X	X	X	X	X	X	X	X	X
31	Attend Union Development Coordination Meeting for sharing polder activity	10 UP	X	X	X	X	X	X	X	X	X	X	X	X
32	Conduct bi monthly meeting with FTs	24 Nos	X	X	X	X	X	X	X	X	X	X	X	X
33	Conduct monthly polder coordination meeting	12 Nos	X	X	X	X	X	X	X	X	X	X	X	X



<b>B</b>	<b>Water Resource Management</b>													
1	Retd. Embankment	1.50 km (Part)							X	X	X	X	X	X
2	Re-sectioning of embankment	4.08 km (Part)							X	X	X	X	X	X
3	Re-exavation of Khal	35.19 km (Part)							X	X	X	X	X	X
4	Repair of sluice	16 Nos. (Part)						X	X	X	X	X	X	X
5	Construction of culvert	1 No.						X	X	X	X	X	X	X
6	Low cost Bank protection	0.500 km. (Part)						X	X	X	X	X	X	X
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Assist FT to Facilitate 52 FFS on 11 cycles	52	X	X	X									
2	Assist FT to Facilitate 50 FFS on 12 & 13 cycle	100				X	X	X	X	X		X	X	X
3	Farmers Field day observe	92			X				X	X				
4	End line survey (92 FFS)	92			X	X				X	X			
5	Assist to WMGs for implementation of Community led Fisherie	04 Nos	X	X	X	X	X	X	X	X	X	X	X	X
6	Assist WMGs to implement CII	03 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
7	Crop cutting Field day on CII	06 No					X			X				X
8	Farmers orientation on CII implementation process (WRM, cropping pattern & production technique)	01 batch	X											
9	Facilitate market orientation session (CA, networking, record keeping etc)	9 sessions		X				X			X			
11	VC Constraint Analysis/curriculum development/intervention designing workshops	1 Batch			X									

12	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1 Batch					X							
13	GL+CF+RF+PF+FT linkage workshop	1 workshop						X						
14	Linkage meeting/workshop/seminar with VC actors	1 workshop			X									
15	Workshop to discuss constrains and solutions of VC	1 plot								X				
16	Actor Meeting (linkage/discussion/negotiation/intervention designing)	3 workshops						X						
17	Resource Farmers Capacity Building Training	2 Batch	X											
18	Market Visit by Resource Farmers	2 Batch		X										
<b>D</b>	<b>Gender Mainstreaming</b>													
1	Conduct GLD training in the WMG level	120 Nos		X	X	X	X	X	X	X	X	X	X	X
2	Coutyard Meeting on Gender Awareness Raising	144 Nos	X	X	X	X	X	X	X	X	X	X	X	X
3	Join Training Program with UP on small business for women empowerment	1 UP		X										
4	Training on market linkage and women empowerment	01 Batch			X									
5	Assist WMGs to enroll 40% Women in WMG	8 WMGs	X	X	X	X	X	X	X	X				
6	Women empowerment through horizontal Learning	15 WMGs				X	X				X	X	X	
7	Observance of International Women; s Day (IWD)	3 Events									X			
<b>E</b>	<b>Training and Communication</b>													
1	Vedio demonstration	61 Shows		X	X	X	X	X	X	X	X	X	X	X
2	Popular Theater	08 Nos					X	X	X				X	
3	Case study/ Good practices	As per requirement		X	X	X	X	X	X	X	X	X	X	X
<b>F</b>	<b>MRL</b>													
1	Assist WMGs to conduct participatory monitoring	61 WMGs				X						X		
2	Prepare WMOs Tracker	61 WMGs				X			X			X		

3	Assist WMA to conduct participatory monitoring	2 WMAs										X		
4	Result Sharing with polder team	2 Nos					X						X	
5	Impact Study	2 Nos						X				X		

## Polder-wise Planning Format

### 3.7 Polder-27/1

#### Progress to end-June 2018

There are 15 WMG's have been formed with executive committee in the polder. A total of 9 WMG out of 15 have been submitted necessary documents to BWDB for registration. a total of 65,000.00 taka has collected as savings of WMG members and 77,000.00 takas has been collected as O & M fund. There were 07 FFS (9th cycle-03 and 10<sup>th</sup> cycle-04) have been implemented successfully. Two Community Led Fishery and one CAWM initiatives have been accomplished with one WMG. One workshop has been done to promote collective actions, business planning and/or private sector linkage where WMG representatives, input providers and inputs company participated. one WMG cleaned a canal around 0.500 km near sluice gate. A total of 38 female and 32 males actively participated the activity. One WMG jointly maintained a broken road around 1.00 KM. A total of 45 female and 68 male members participated in this activity. UP was actively involved with the activity.

#### Lessons learnt

- The WMG's where proactive and dynamics leaders are in the EC, those WMG's are functioning very well.
- Formation and implementation of FFS have been created more trust on project
- Some WMG's expected immediate benefit from the project otherwise they think as negative
- Some WMG's have been taken collective initiatives for their development which is good sign for sustainability.

#### 2018 / 2019 Objectives

- Capacity development of WMG's and WMA so that they can make plan for their own development as well as make a strong relationship with UP, BWDB, DAE and other relevant line agencies to access different services and support for better water management for better crop production.
- Increase knowledge and skills on beef fattening, poultry rearing and fruit tree management which will help for creation of more production and market linkage.
- Development of infrastructure for better water management
- Make a strong linkage with inputs and out puts markets actors for availability of quality inputs and better markets price of their products
- Develop knowledge and skill of WMG members on GLD, create awareness on gender issues and develop skill of women on market linkage

### 3.7.1 Annual Work Plan of Polder-27/1 with timeline

N S	Task Name	Target	2018-19												Remarks
			Ju	Au	S	O	N	D	J	F	M	A	M	J	
<b>A</b>	<b>Organizational Management</b>														
1	Assist to form WMA's ad-hoc committee	1 no.		X											
2	Assist election committee to form WMA EC	1 no.			X	X									
3	Assist WMA for registration documentation	1 no.						X							
4	Assist WMG for WAP	15 nos.	X		X	X		X	X		X	X			
5	Assist WMG EC for monthly meeting	180 nos.	X	X	X	X	X	X	X	X	X	X	X	X	
6	Assist WMGs for quarterly meeting	45 nos.	X		X	X		X	X		X	X			
7	Assist WMGs for annual general meeting	15 nos.	X											X	
8	Assist WMG to form sub committee	15 nos.	X											X	
9	LCS formation and mobilisation	As per requirement						X	X	X	X	X	X	X	
10	Assist and follow up regular savings and deposit (Tk.)	150,000	X	X	X	X	X	X	X	X	X	X	X	X	
11	Assist WMGs for creating O&M fund (Tk.)	15,000	X	X	X	X	X	X	X	X	X	X	X	X	
12	Need based capacity bulding	As per requirement						X	X	X	X	X	X	X	
13	Assist WMG to operate collective IGAs	4 nos.	X	X	X	X	X	X	X	X	X	X	X	X	
14	Assist WMGs to operate individual IGAs	04 nos.	X	X	X	X	X	X	X	X	X	X	X	X	
15	Identification of good practices	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X	
16	Preparation of fact sheet	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X	
17	Organize experience sharing visit	1 batch			X										

18	Learning sharing / Networking Workshop	1 batch						X							
19	Assist WMA to form catchment O&M committee	4 nos.					X								
20	Organize catchment O&M planning workshop	4 nos.						X	X	X	X	X	X	X	
21	Assist catchment committee for up dating catchment-level water management and O&M plan	4 nos.						X	X	X	X	X	X	X	
22	Organize WMG and UP joint planning meeting	2 nos.	X	X							X	X	X	X	
23	Observance of disaster preparedness week	2 times				X				X					
24	Assist WMG to prepare CAWM Joint plan and implement	01 areas	X	X	X	X	X	X	X	X	X	X	X	X	
25	Assist WMA to form Monitoring Committee	As per requirement						X	X	X	X	X	X	X	
26	Assist WMG to build up linkage & networking with LGIs, BWDB, DAE, DLS, DOF and others	As per requirement	X	X	X	X	X	X	X	X	X	X	X	X	
27	Attend Union Development Coordination Meeting for sharing polder activity	2 UP	X		X		X		X		X		X	X	
28	Conduct bi monthly meeting with FTs	6 nos.	X	X	X	X	X	X	X	X	X	X	X	X	
29	Conduct monthly polder coordination meeting	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X	
<b>B</b>	<b>Water Resource Management</b>														
1	Retd. Embankment	2 km						X	X	X	X	X	X	X	
2	Re-sectioning of embankment	2 km						X	X	X	X	X	X	X	
3	Re-exavation of Khal	29km						X	X	X	X	X	X	X	

4	Repair of sluice	5 km						X	X	X	X	X	X	X	
5	Internal/interior dike(km)	4 km						X	X	X	X	X	X	X	
<b>C</b>	<b>Agriculture and Economic Development</b>														
1	Assist FT to facilitate FFS on 11 cycles	8 nos.	X	X	X										
2	Assist FT to facilitate FFS on 12 cycles	8 nos.				X	X	X	X	X					
3	16 farmers field day observe	16 nos.			X				X	X					
4	End line survey (8 FFS)	8 nos.			X	X				X	X				
5	Assist WMGs to select community led fisherie	1 no.								X	X	X	X		
6	Banch mark survey	8 nos.				X									
7	VC constraint analysis/curriculum development/intervention designing workshop	1 no.			X										
8	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1 no.					X								
9	GL+CF+RF+PF+FT linkage workshop	1 no.						X							
10	Linkage meeting/workshop/seminar with VC actors	1 no.			X										
11	Workshop to discuss constrains and solutions of VC	1 no.								X				X	
12	Actor meeting (linkage/discussion/negotiation/intervention designing)	2 no.								X					
13	Resource Farmers capacity building training	1 batch	X											X	
14	Market visit by Resource Farmers	1 batch		X										X	

D	Gender Mainstream														
1	Conduct GLD training in the WMG level	90 nos.		X	X	X	X	X	X	X	X	X	X	X	
2	Courtyard meeting on gender awareness raising	72 nos.	X	X	X	X	X	X	X	X	X	X	X	X	
3	Join training program with UP on small business for women empowerment	1 UP	X												
4	Training on market linkage and women empowerment	01 batch			X	X									
5	Women empowerment through horizontal Learning	6 WMGs				X	X					X	X		
6	Observance of International Women's Day (IWD)	1 day									X				
E	Training and Communication														
1	Vedio demonstration	15 nos.		X	X	X	X	X	X	X	X	X	X	X	
2	Popular Theater	02 nos.					X	X	X						
3	Case study/ Good practices	As per requirement		X	X	X	X	X	X	X	X	X	X	X	
F	MRL														
1	Assist WMGs to conduct participatory monitoring	15 nos.				X						X			
2	Prepare WMOs Tracker	15 WMGs				X			X			X			
3	Assist WMA to conduct participatory monitoring	1 WMA										X			
4	Result Sharing with polder team	2 Nos					X						X		



## 3.8 Polder 27/2

### Progress to end-June 2018

#### Organizational Management:

6 WMGs Executive committee has formed with 1134 HHs covered under 6 WMGs. Total 1226 members were enrolled with Male-728 and Female 498. 06 WMGs got registration. WMGs have been collecting different type of fund and collected (BDT) 168,000.00, 06 WMGs successfully formed & declared the Executive Committee and planned their WMG Action Plan. one (1) LCS has formed under 1 WMGs.

#### Water Resource Management:

Re-excavation of 5.24 km khals has completed by contractor and 0.500km work is on-going. 2km sectioning of embankment have planned in FY 2018-2019 by LCS and contractor. Bahadurpur WMG took initiative of re-excavation of 400 metre field channel for better water management and drainage of water.

#### Agriculture and Economic Development:

3 FFSs activities under 10<sup>th</sup> cycle have been completed with 75 members. 2 FTs received the foundation training. 4 FFS under 11<sup>th</sup> cycle is on going. WMG members are doing collective selling and purchasing to minimize the production cost and increases the income.

For increasing the cropping intensity as well as for a better cropping pattern community led water management and horizontal learnign have been initiated.

#### Gender Mainstreaming:

Total of 06 WMG has formed executive committee where 24 women are involved.

**MRL:** Conducted refreshers training for CDF's on PMS and CDFs facilitated 06 PMS. WMG Tracker data has been collected from six WMGs.

#### Lessons learnt

The WMG's where proactive and dynamics leaders are in the EC, those WMG's are functioning very well.

### 2018 / 2019 Objectives

Overall Objective of this plan in Phase in Polder:

- Capacity development of WMG's and WMA so that they can make plan for their own development as well as make a strong relationship with UP, BWDB, DAE and other relevant line agencies to access different services and support for better water management for better crop production.
- Increase knowledge and skills on beef fattening, poultry rearing and fruit tree management which will help for creation of more production and market linkage
- Development of infrastructure for better water management
- Make a strong linkage with inputs and out puts markets actors for availability of quality inputs and better markets price of their products
- Develop knowledge and skill of WMG members on GLD, create awareness on gender issues and develop skill of women on market linkage

3.8.1 Annual Work Plan of Polder 27/2 with timeline

S. N	Task Name	Target	2018-19													
			Ju	Au	S	O	N	D	J	F	M	A	M	J		
<b>➤ Organizational Management</b>																
1	Assist to form WMA Ad-hoc Committee	1 no.		X												
2	Assist Election Committee to form WMA Executive Committee	1 no.			X	X										
3	Assist WMA for registration documents submit to BWDB	1 no.					X									
4	Assist WMG for WAP (WMG Action Plan) formulation, Review and implementation	6 nos.	X		X	X		X	X		X	X				
5	Assist WMG to organize monthly meeting	72 nos.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	Assist WMGs for organizing quarterly general meeting	18 nos.	X		X	X		X	X		X	X				
7	Assist WMGs for organizing annual general meeting	6 nos.	X													X
8	Assist WMGs to form Sub Committee	6 WMGs	X													X
9	LCS formation and Mobilization	As per requirement					X	X	X	X	X	X	X	X	X	X
10	Assist WMGs to collectand deposit regularly	150,000	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	Assist WMGs to create O&M fund	12,000	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	Up dating books and records	06 WMGs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	Provide need-based capacity bulding informal training to WMGs/WMA	As per requirement						X	X	X	X	X	X	X	X	X
14	Assist WMGs to operate collective IGAs	02 WMGs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	Assist WMGs to operate individual IGAs	02 WMGs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	Identification of good practices	2 / WMG	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	Preparation of fact sheet	2 / WMG	X	X	X	X	X	X	X	X	X	X	X	X	X	X

18	Organize experience sharing visit	1 batch			X	X									
19	Learning sharing / Networking Workshop	1 batch						X	X	X	X	X	X	X	X
20	Assist WMA to form catchment O&M committee	3 Nos.					X								
21	Organize Catchment O&M planning workshop	3 Nos.						X	X	X	X	X	X	X	X
22	Assist Catachment committee for up dating catchment-level water management and O&M planning	As per requirement						X	X	X	X	X	X	X	X
23	Organize WMG and UP joint planning meeting	1 UP	X	X							X	X	X	X	
24	Observance of Disaster Preparedness week	1 event				X				X					
25	Assist WMG to prepare CAWM Joint plan and implement	01 areas	X	X	X	X	X	X	X	X	X	X	X	X	X
26	WMA wise monitoring committee form and mobilise monitoring committee	As per requirement						X	X	X	X	X	X	X	X
27	Assist WMG to Build up Linkage & Networing with LGIs, BWDB &DAE	As per requirement	X	X	X	X	X	X	X	X	X	X	X	X	X
28	Attend Union Development Coordination Meeting for sharing polder activity	1 UP	X	X	X	X	X	X	X	X	X	X	X	X	X
29	Conduct bi monthly meeting with FTs	24 Nos	X	X	X	X	X	X	X	X	X	X	X	X	X
30	Conduct monthly polder coordination meeting	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>B</b>	<b>Water Resource Management</b>														
1	Re-sectioning of embankment	2 km.						X	X	X	X	X	X	X	X
2	Re-exavation of Khal	4.26 km.						X	X	X	X	X	X	X	X
3	Repair of sluice	3 Nos.						X	X	X	X	X	X	X	X
<b>C</b>	<b>Agriculture and Economic Development</b>														
1	Assist FT to Facilitate 4 FFS on 11 cycles	4 nos.	X	X	X										
2	Assist FT to Facilitate FFS on 12 & 13cycle	8 nos.				X	X	X	X	X		X	X	X	
3	Farmers Field day observe	12 nos.			X					X	X				

4	End line survey (8 FFS)	12 nos.			X	X				X	X			
5	Banch Mark Survey on 12 cycles	8 nos.			X									
6	Assist WMGs to implement CII	1 WMG	X	X	X	X	X	X	X	X	X	X	X	X
7	Crop cutting Field day on CII	1 no					X			X				X
8	Farmers orientation on CII implementation process (WRM, cropping pattern & production technique)	1 batch	X											
9	Facilitate market orientation session (CA, networking, record keeping etc)	3 sessions		X				X		X				
10	VC Constraint Analysis / curriculum development / intervention designing workshops	1 no.			X									
11	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1 no.					X							
12	GL+CF+RF+PF+FT linkage workshop	1 no.						X						
13	Linkage meeting /workshop /seminar with VC actors	1 no.			X									
14	Workshop to discuss constrains and solutions of VC	1 no.							X					X
15	Actor Meeting (linkage/discussion/negotiation/intervention designing)	2 nos.							X					
16	Resource Farmers Capacity Building Training	1 batch	X											X
17	Market Visit by Resource Farmers	1 batch		X										X
<b>D</b>	<b>Gender Mainstreaming</b>													
1	Conduct GLD training in the WMG level	36 batches		X	X	X	X	X	X	X	X	X	X	X
2	Coutyard Meeting on Gender Awareness Raising	48 Nos	X	X	X	X	X	X	X	X	X	X	X	X
3	Join Training Program with UP on small business for women empowerment	1 batch	X	X										
4	Training on market linkage and women empowerment	1 batch			X	X								
5	Women empowerment through horizontal Learning	6 WMGs			X	X					X	X		
6	Assist WMGs to enroll 40% Women in WMG	2 WMGs	X	X	X	X	X	X						
7	Observance of International Women's Day (IWD)	1 WMG								X				

<b>E</b>	<b>Training and Communication</b>																
1	Vedio demonstration	6 nos						X	X	X	X	X	X	X	X	X	X
2	Popular Theater	1no.						X									
3	Case study/ Good practices	As per requirement		X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>F</b>	<b>MRL</b>																
1	Assist WMGs to conduct participatory monitoring	06 nos.				X								X			
2	Prepare WMOs Tracker	6 WMGs				X			X					X			
3	Assist WMA to conduct participatory monitoring	1 WMA												X			
4	Result Sharing with polder team	2 nos.					X									X	

## 3.9 Polder-28/1

### Progress to end-June 2018

#### Organizational Management:

Previously it was 14 WMGs under KJDRP project in Polder 28/1 among them 11 was registered, now 100% WMG has registration.

Total of 10 WMGs formed new EC bodies and developed their annual plan (WMG Action Plan).

Total of 12 WMG already generated different type of fund (saving tk.28260, O&M tk.28260, Admission fee tk.28260, and another tk.28260) for their organization. In addition, 9 WMGs received Tk.20,000 (twenty thousand) each from DAE.

#### Water Resource Management

9 canals with 18 km length area come under survey program, among these estimates vetted completed for 4-canals and design data completion for 5 canals.

#### Agricultural & Economic Development:

9<sup>th</sup> and 10<sup>th</sup> cycle FFS activities completed with the module of Beef fattening, Fish Culture, poultry rearing, homestead vegetable cultivation and Nutrition. 2 FTs got foundation training and properly manage the FFS at field level.

5 WMGs initiated collective action activities by established business linkage with market actors. By this way, 2 WMGs linked with two power tiller operator and collectively purchase tillage services for their 39 farmers with 161-acre lands

#### Gender Mainstream:

52% members are women in 12 WMG and a total 57 women are enrolled in Executive bodies.

#### Lessons learnt

- It is easy to form ad-hoc committee as well as form the WMG executive bodies, if LGIs representative are presence and provide neutral support to WMGs.
- New technology adaptation trial and capacity enhance training support through FFS/CLF/CII are increased the functionality of WMGs.

#### 2018 / 2019 Objectives

Overall Objective of this plan in Phase-in Polder:

- Capacity development of WMG's and WMA so that they can make plan for their own development as well as make a strong relationship with UP, BWDB, DAE and other relevant line agencies to access different services and support for better water management for better crop production.
- Increase knowledge and skills on beef fattening, poultry rearing and fruit tree management which will help for creation of more production and market linkage
- Development of infrastructure for better water management
- Make a strong linkage with inputs and out puts markets actors for availability of quality inputs and better markets price of their products

## Blue Gold Program



- Develop knowledge and skill of WMG members on GLD, create awareness on gender issues and develop skill of women on market linkage

## 3.9.1 Annual Work Plan of Polder 28/1 with timeline

S. N	Task Name	Target	2018-19											
			Ju	A	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
➤	<b>Organizational Management</b>													
1	Assist to form WMA Ad-hoc Committee	1 no.		X										
2	Assist election committee to form WMA Executive Committee	1 no.			X	X								
3	Assist WMA for submission of registration documents to BWDB	1 no.					X							
4	Assist WMG for WAP (WMG Action Plan) formulation, review and implementation	12 nos.	X		X	X		X	X		X	X		
5	Assist WMGs to organize monthly meeting	144 nos.	X	X	X	X	X	X	X	X	X	X	X	X
6	Assist WMGs for organizing quarterly general meeting	36 nos.	X		X	X		X	X		X	X		
7	Assist to WMGs for organizing annual general meeting	12 nos.	X											X
8	Assist WMG to form Sub Committee (O&M, Agruculture, & WM, IGAs and Audit)	12 WMGs	X											X
9	LCS formation and mobilization	As per requirement					X	X	X	X	X	X	X	X
10	Assist and follow up regular savings/ deposit by WMGs	240,000	X	X	X	X	X	X	X	X	X	X	X	X
11	Assist WMGs for creating O&M fund (Tk.)	18,000	X	X	X	X	X	X	X	X	X	X	X	X
12	Records and Book keeping, maintenance of books of accounts	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
13	Need based capacity bulding informal training provide by CDFs	As per requirement						X	X	X	X	X	X	X



14	Assist WMG to operate collective IGAs	06 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
15	Assist WMGs to operate individual IGAs	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
16	Identification of good practices	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X
17	Preparation of fact sheet	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X
18	Organize experience sharing visit	2 nos.			X	X								
19	Learning sharing/ Networking Workshop	1 no.						X	X	X	X	X	X	X
20	Assist WMA to form catchment Wise O&M sub committee	6 no.					X							
21	Organize Catchment O&M planning workshop	6 nos.						X	X	X	X	X	X	X
22	Assist Catachment committee to Regularization of catchment-level water management and O&M planning	6 nos.						X	X	X	X	X	X	X
23	Organize WMG and UP joint Planning meeting	As per requirement	X	X							X	X	X	X
24	Observance of Disaster Preparedness week	2 times				X				X				
25	WMA wise monitoring committee form and mobilise monitoring committee	As per requirement						X	X	X	X	X	X	X
26	Assist WMG to build up linkage & networking with LGIs, BWDB, DAE, DLS, DOF and others	As per requirement	X	X	X	X	X	X	X	X	X	X	X	X
27	Attend Union Development Coordination Meeting for sharing polder activity	1 UP	X	X	X	X	X	X	X	X	X	X	X	X
28	Conduct fortnightly meeting with FTs	24 Nos	X	X	X	X	X	X	X	X	X	X	X	X
29	Conduct monthly polder coordination meeting	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X
30	Develop Documentation/ Vedio on Good practices and HL	As per requirement					X							
B	Water Resource Management													

1	Re-sectioning of embankment	3 km	X	X	X	X	X	X	X	X	X	X	X	X
2	Re-exavation of Khal	18 km (Part)	X	X	X	X	X	X	X	X	X	X	X	X
3	Repair of sluice	8 Nos	X	X	X	X	X	X	X	X	X	X	X	X
	Construction of sluice	1 no	X	X	X	X	X	X	X	X	X	X	X	X
	Repair of Inlet	1 no.	X	X	X	X	X	X	X	X	X	X	X	X
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Assist FT to Facilitate FFS on 11 cycles	7 nos.	X	X	X									
2	Assist FT to Facilitate FFS on 12 cycles	5 nos.				X	X	X	X	X				
3	Farmers Field day observe	12 nos.			X				X	X				
4	End line survey (12 FFS)	12 nos.			X	X				X	X			
5	Assist WMGs to implement CII	1 WMG	X	X	X	X	X	X	X	X	X	X	X	X
6	Crop cutting Field day on CII	2 no.					X			X				X
7	Farmers orientation on CII implementation process (WRM, cropping pattern & production technique)	1 batch	X											
8	Facilitate market orientation session (CA, networking, record keeping etc)	3 sessions		X				X			X			
9	VC Constraint Analysis/curriculum development/intervention designing workshops	1 batch			X									
10	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1 no.					X							
11	GL, CF, RF, PF, FT linkage workshop	1 no.						X						
12	Linkage meeting/workshop/seminar with VC actors	1 no.			X									
13	Workshop to discuss constrains and solutions of VC	1 no.								X				X

14	Actor Meeting (linkage/discussion/negotiation/intervention designing)	2 batch									X			
15	Resource Farmers Capacity Building Training	1 batch	X											X
16	Market Visit by Resource Farmers	1 batch		X										X
D	Gender Mainsteam													
1	Conduct GLD training in the WMG level	72 nos.		X	X	X	X	X	X	X	X	X	X	X
2	Coutyard Meeting on Gender Awareness Raising	72 nos.	X	X	X	X	X	X	X	X	X	X	X	X
3	Join Training Program with UP on small business for women empowerment	1 UP	X	X										
4	Training on market linkage and women empowerment	01 Batch			X	X								
5	Women empowerment through horizontal Learning	6 WMGs				X	X					X	X	
6	Observance of International Wome's Day (IWD)	1 day									X			
E	Training and Communication													
1	Vedio demonstration	12 nos.		X	X	X	X	X	X	X	X	X	X	X
2	Popular Theater	01 no.					X	X	X					
3	Case study/ Good practices	As per requirement		X	X	X	X	X	X	X	X	X	X	X
F	MRL													
1	Assist WMGs to conduct participatory monitoring	12 nos.				X						X		
2	Prepare WMGs Tracker	12 nos.				X			X			X		
3	Assist WMA to conduct participatory monitoring	1 no.										X		
4	Result Sharing with polder team	2 nos.					X						X	
5	Impact Study	2 nos.						X				X		

## 3.10 Polder-28/2

### Progress to end-June 2018

#### Organizational Management:

In polder 28/2, total of 9 WMGs earlier got registration but only three WMGs had submitted all necessary documents and got registration from WBDB. WMGs covered 1719 HHs (Total 1766, Male-752, and Femal-1058) as equivalent of 57% HHS into our 12 WMGs

12 WMGs successfully formed & declared the new Executive bodies. Among them 10 WMGs has prepared their annual action plan.

Total of 12 WMG already generated different type of fund for their organization with Tk.685888. In addition, 9 WMGs received Tk.20,000 (twenty thousand) each from DAE.

#### Water Resource Management:

In the year of 2017-2018, total of 15 canals with 35.5 km length area come under survey program. Among this 5-canal completed estimate vetted and design data. During this period 25-meter embankment protection work had done and 150-meter embankment re-sectioning work also completed properly.

#### Agricultural & Economic Development:

WMGs completed 9<sup>th</sup> and 10<sup>th</sup> cycle FFS with the module of Beef fattening, Fish Culture, poultry rearing, homestead vegetable gardening and Nutrition. Total of 7 WMGs with their 175 members have improved the skill on new production technique. 4 FTs have increased their facilitation technique by receiving foundation training and properly manage the FFS at field level. Through FFS activities,

In this period, SVC group facilitated different market orientation meeting/workshop by the participation of different level of market actors. As an achievement, 7 WMGs initiated collective action activities and established business linkage with market actors. They are sealing their products and purchasing input collectively. In addition, collectively arrange vaccination campaign.

For increasing the cropping intensity as well as cropping pattern in the polder area, Blue Gold established CII trial plot in Bashbaria and Jharvanga WMG by covered 180 decimal lands. In the mean time we achieved 300% cropping intensity in the pilot area.

#### Gender Mainstreaming:

12 WMG have enrolled total of 1766 members where Male-752, and Femal-1058.

Total of 8 WMG formed their EC bodies where 36 women are enrolled in Executive bodies.

#### Lessons learnt

- It is easy to form ad-hoc committee as well as form the WMG executive bodies, if LGIs representative are presence and provide neutral support to WMGs.
- New technology adaptation trial and capacity enhance training support through FFS/CLF/CII are increased the functionality of WMGs.

## 2018 / 2019 Objectives

Overall Objective of this plan:

- Capacity development of WMG's and WMA so that they can make plan for their own development as well as make a strong relationship with UP, BWDB, DAE and other relevant line agencies to access different services and support for better water management for better crop production.
- Increase knowledge and skills on beef fattening, poultry rearing and fruit tree management which will help for creation of more production and market linkage
- Development of infrastructure for better water management
- Make a strong linkage with inputs and out puts markets actors for availability of quality inputs and better markets price of their products
- Develop knowledge and skill of WMG members on GLD, create awareness on gender issues and develop skill of women on market linkage

## 3.10.1 Annual Work Plan of Polder 28/2 with timeline

S. N	Task Name	Target													
			Ju	Au	S	O	N	D	J	F	M	A	M	J	
➤	<b>Organizational Management</b>														
1	Assist to form WMA's ad-hoc committee	1 no.		X											
2	Assist election committee to form WMA's executive committee	1 no.			X	X									
3	Assist WMA for submission of registration documents to BWDB	1 no.					X								
4	Assist WMG for WAP (WMG Action Plan) formulation, review and implementation	12 nos.	X		X	X		X	X		X	X			
5	Assist WMGs to organize monthly meeting	144 nos.	X	X	X	X	X	X	X	X	X	X	X	X	X
6	Assist WMGs for organizing quarterly general meeting	36 nos.	X		X	X		X	X		X	X			
7	Assist WMGs for organizing annual general meeting	12 nos.	X												X
8	Assist WMGs to form Sub Committee (O&M, Agruculture, & WM, IGAs and Audit)	12 WGs	X												X
9	LCS formation and mobilisation	As per requirement					X	X	X	X	X	X	X	X	X
10	Assist and follow up regular savings and deposit (Tk.)	300,000	X	X	X	X	X	X	X	X	X	X	X	X	X
11	Assist WMG for creating O&M fund (Tk.)	20,000	X	X	X	X	X	X	X	X	X	X	X	X	X
12	Assist WMGs for up dating books and records	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X	X
13	Need based capacity bulding informal training provide by CDFs	As per requirement						X	X	X	X	X	X	X	X
14	Assist WMG to operate collective IGAs	06 nos.	X	X	X	X	X	X	X	X	X	X	X	X	X
15	Assist WMGs to operate individual IGAs	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X	X

16	Identification of good practices	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X
17	Preparation of fact sheet	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X
18	Organize experience sharing visit	3 nos.			X	X					X			
19	Learning sharing/ Networking Workshop	1 no.						X	X	X	X	X	X	X
20	Assist WMA to form catchment O&M committee	7 nos.					X							
21	Organize Catchment O&M planning workshop	7 nos.						X	X	X	X	X	X	X
22	Assist Catachment committee for up dating catchment-level water management and O&M planning	7 nos.						X	X	X	X	X	X	X
23	Organize WMG and UP joint planning meeting	1 no.	X	X							X	X	X	X
24	Observance of Disaster Preparedness week	1 no.				X				X				
25	Assist WMG to prepare CAWM Joint Plan and implement	01 area	X	X	X	X	X	X	X	X	X	X	X	X
26	Assist WMA to form Monitoring Committee and monitor its activity	As per requirement						X	X	X	X	X	X	X
27	Assist WMG to build up linkage & networking with LGIs, BWDB, DAE, DLS, DOF and others	As per requirement	X	X	X	X	X	X	X	X	X	X	X	X
28	Attend Union Development Coordination Meeting for sharing polder activity	1 UP	X	X	X	X	X	X	X	X	X	X	X	X
29	Conduct fortnightly meeting with FTs	6 nos.	X	X	X	X	X	X	X	X	X	X	X	X
30	Conduct monthly polder coordination meeting	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X
31	Develop Documentation/ Vedio on Good practices and HL	As per requirement					X							
<b>B</b>	<b>Water Resource Management</b>													
1	Retd. Embankment	1.50 km. (Part)							X	X	X	X	X	X
2	Re-sectioning of embankment	2.825 km.							X	X	X	X	X	X

3	Re-exavation of Khal	35.50 km (Part)					X	X	X	X	X	X		
4	Repair of sluice	4 nos.	X	X	X	X	X	X	X	X	X	X	X	X
5	Construction of sluice	1 no.	X	X	X	X	X	X	X	X	X	X	X	X
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Assist FT to Facilitate FFS on 11 cycles	7 nos.	X	X	X									
2	Assist FT to Facilitate 5 FFS on 12 cycles	5 nos.				X	X	X	X	X				
3	Farmers Field day observe	12 nos.			X				X	X				
4	End line survey (12 FFS)	12 nos.			X	X				X	X			
6	Assist WMGs to implement CII	1 WMG	X	X	X	X	X	X	X	X	X	X	X	X
7	Crop cutting Field day on CII	2 nos.					X			X				X
8	Farmers orientation on CII implementation process (WRM, cropping pattern & production technique)	1 batch	X											
9	Facilitate market orientation session (CA, networking, record keeping etc)	3 sessions		X				X			X			
10	VC Constraint Analysis/curriculum development/intervention designing workshops	1 batch			X									
11	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1 no.					X							
12	GL, CF, RF, PF, FT linkage workshop	1 no.						X						
13	Linkage meeting/workshop/seminar with VC actors	1 no.			X									
14	Workshop to discuss constrains and solutions of VC	1 no.								X				X
15	Actor Meeting (linkage/discussion/negotiation/intervention designing)	2 batch								X				
16	Resource Farmers Capacity Building Training	1 batch	X											X



17	Market Visit by Resource Farmers	1 batch		X										X
<b>D</b>	<b>Gender Mainstreaming</b>													
1	Conduct GLD training in the WMG level	72 nos.		X	X	X	X	X	X	X	X	X	X	X
2	Coutyard Meeting on Gender Awareness Raising	72 nos.	X	X	X	X	X	X	X	X	X	X	X	X
3	Join Training Program with UP on small business for women empowerment	1 UP	X	X										
4	Training on market linkage and women empowerment	01 batch			X	X								
5	Women empowerment through horizontal Learning	6 WMGs				X	X					X	X	
6	Observance of International Wome's Day (IWD)	1 batch									X			
<b>E</b>	<b>Training and Communication</b>													
1	Vedio demonestration	12 nos.		X	X	X	X	X	X	X	X	X	X	X
2	Popular Theater	01 nos.					X	X	X					
3	Case study/ Good practices	As per requirement		X	X	X	X	X	X	X	X	X	X	X
<b>F</b>	<b>MRL</b>													
1	Assist WMGs to conduct participatory monitoring	12 WMGs				X						X		
2	Prepare WMOs Tracker	12 WMGs				X			X			X		
3	Assist WMA to conduct participatory monitoring	1 WMA										X		
4	Result Sharing with polder team	2 nos.					X						X	
5	Impact Study	2 nos.						X				X		
<b>G</b>	<b>Innovation Fund</b>													
1	Establish Women business center (WBC)	2 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
2	Preparation of wish pond	4 ponds	X	X	X	X	X							

3	Set up Vegetable Demonstration plot	20 plots							X	X	X	X	X		
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### 3.11 Polder-34/2 Part

#### Progress to end-June 2018

##### Organizational Management:

Polder 34/2 Part is located under Batighata Upazila. Total Household 10268 in polder area. 18 WMGs Executive committee has formed out of 20 WMGs and 6803 households has covered. 11 WMGs got registration and 7 WMGs has submitted registration documents to BWDB office Jessore. WMGs have been collecting different type of fund and they have collected (BDT) 168,000.00 as saving and BDT 161,340.00 for O & M.

8 WMGs have formed their WMG Action Plan. 11 LCS have formed under 8 WMGs for re-sectioning of Embankment in FY 2017-2018.

##### Water Resource Management:

11km re-sectioning of Embankments have planned in FY 2017-2018 by LCS and contractor but BWDB could not give work order timely. Re-sectioning (baking) 470 metre work has been started by contractor and work is on-going. Survey team surveyed 21 canals with 23.726 km length area under Blue Gold program.

##### Agriculture and Economic Development:

5 FFSs under 10<sup>th</sup> cycle completed with module of Poultry rearing, homestead vegetable gardening and Nutrition. Total number of 125 members where Male-9 and Female 116 have gained knowledge and improved the skill on new production technique. 6 FTs got foundation training and properly manage the FFS at field level. Through FFS activities of 11 cycles 12 FFS with three modules such as Beef Fettering, Poultry rearing and Homestead gardening are on going. They also taking different collective activities to increase income and reduce production cost.

For increasing the cropping intensity as well as for better cropping pattern in the polder area, Blue Gold Program organized horizontal learning visit for 3 WMGs where 12 farmers were participated. 3 plots already have selected for implementing CII 3 Areas have selected for CAWM implementation.

##### Gender Mainstreaming:

Total of 18 WMG has formed executive committee where 75 women are involved. Out of 75 women 08 are holding good position in EC.

**MRL:** Conducted refreshers training for CDF's on PMS and CDFs facilitated 18 PMS. Tracker data collection has been completed in 18 WMGs.

#### Lessons learnt

- When upazila/ district level political leaders play dual role it is very difficult to manage the polder dwellers particularly local influential and political leaders.
- It is easy to form ad-hoc committee as well as form the WMG executive committee, if LGIs representative are presence and provide neutral support to WMGs.
- Timely start of LCS work is important to mobilize the WMG activities.

New technology adaptation trial and capacity enhance training support through FFS/CLF/CII are increased the functionality of WMGs.

## 2018 / 2019 Objectives

Overall Objective of this plan:

- Capacity development of WMG's and WMA so that they can make plan for their own development as well as make a strong relationship with UP, BWDB, DAE and other relevant line agencies to access different services and support for better water management for better crop production.
- Increase knowledge and skills on beef fattening, poultry rearing and fruit tree management which will help for creation of more production and market linkage
- Development of infrastructure for better water management
- Make a strong linkage with markets actors for availability of quality inputs and better markets price of their products
- Develop knowledge and skill of WMG members on GLD, create awareness on gender issues and develop skill of women on market linkage

## 3.11.1 Annual Work Plan of Polder 34/2 with timeline

S. N	Task Name	Target	2018-19											
			Ju	Au	S	O	N	Dec	J	F	M	A	M	J
▶	<b>Organizational Management</b>													
1	Assist WMGs to enroll at least 40% female as general members	19 nos.	X	X	X	X	X	X	X	X	X	X	X	X
2	Assist WMGs to submit registration documents	2 nos.	X											
3	Assist WMA to form WMA Ad-hoc Committee	1 no.		X										
4	Assist election committee to form WMA Executive Committee	1 no.			X	X								
5	Assist WMA for submission of registration	1 no.					X							
6	Assist WMG for WAP (WMG Action Plan)	20 Nos	X		X	X		X	X		X	X		
7	Assist WMG to arrange monthly meeting	240 nos.	X	X	X	X	X	X	X	X	X	X	X	X
8	Assist WMGs for organizing quarterly general meeting	60 nos	X		X	X		X	X		X	X		
9	Assist to WMGs for annual general meeting	20 Nos	X											X
10	Assist WMG to form Sub Committee	20 WMGs	X											X
11	LCS formation and Mobilization	As per requirement					X	X	X	X	X	X	X	X
12	Assist and follow up regular savings collection and deposition in Bank A/C	600,000	X	X	X	X	X	X	X	X	X	X	X	X
13	Assist WMGs for creating O&M fund	30,000	X	X	X	X	X	X	X	X	X	X	X	X
14	Assist WMGs for up dating books and records	20 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
15	Provide need-based capacity bulding informal training to WMG/WMA	As per requirement						X	X	X	X	X	X	X

16	Assist WMG to operate collective IGAs	06 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
17	Assist WMGs to operate individual IGAs	06 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
18	Identification of good practices	15 WMGs												
19	Preparation of fact sheet	15 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
20	Organize experience sharing visit	4 batch			X	X					X	X		
21	Learning sharing/ Networking Workshop	1 ratch						X	X	X	X	X	X	X
22	Assist WMGs to form O&M sub-committee	As required					X	X						
23	Assist WMA to form catchment O&M	11 nos.					X							
24	Organize Catchment O&M planning workshop	11 nos.						X	X	X	X	X	X	X
25	Assist Catachment Committee for up dating catchment-level water management and O&M plan	11 nos.						X	X	X	X	X	X	X
26	Organize WMG and UP joint Planning meeting	3 nos.	X	X							X	X	X	X
27	Observance of Disaster Preparedness week	20 WMGs				X				X				
28	Assist WMGs to prepare CAWM joint plan & implement	3 areas	X	X	X	X	X	X	X	X	X	X	X	X
29	Assist WMA to monitor its activities	As per requirement						X	X	X	X	X	X	X
30	Assist WMG to build up linkage & networking with LGIs, BWDB, DAE, DLS, DOF and others	As per requirement	X	X	X	X	X	X	X	X	X	X	X	X
31	Attend Union Development Coordination Meeting	3 UP	X	X	X	X	X	X	X	X	X	X	X	X
32	Conduct bi-monthly meeting with FTs	6 nos.	X	X	X	X	X	X	X	X	X	X	X	X
33	Conduct monthly polder coordination meeting	12 nos.	X	X	X	X	X	X	X	X	X	X	X	X
B	Water Resource Management													
1	Retd. Embankment	2.00 km (Part)					X	X	X	X	X	X	X	X

2	Re-sectioning of embankment	11 km.					X	X	X	X	X	X	X	X
3	Re-exavation of Khal	25 km. (Part)					X	X	X	X	X	X	X	X
4	Repair of sluice	5 Nos. (Part)					X	X	X	X	X	X	X	X
5	Construction of sluice	3 Nos. (Part)					X	X	X	X	X	X	X	X
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Assist FT to facilitate FFS on 11 cycle	12 nos.	X	X	X									
2	Assist FT to facilitate FFS on 12 & 13 cycle	32 nos.				X	X	X	X	X		X	X	X
3	Farmers Field day observe	44 nos.			X				X	X				
4	End line survey (FFS)	28 nos.			X	X				X	X			
5	Assist WMGs to select Community led Fisheries	2 nos.								X	X	X	X	
6	Assist WMGs to implement CII	3 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
7	Crop cutting Field day on CII	6 nos.					X			X				X
8	Farmers orientation on CII implementation process	1 batch	X											
9	Facilitate market orientation session (CA, networking, record keeping etc)	09 sessions		X				X			X			
10	VC constraint analysis/curriculum development/intervention designing workshops	1 no.			X									
11	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1 no.					X							
12	GL+CF+RF+PF+FT linkage workshop	1 no.						X						
13	Linkage meeting/workshop/seminar with VC actors	1 no.			X									
14	Workshop to discuss constrains and solutions of VC	1 plot						X						
15	Actors' meeting	2 nos				X								

16	Resource Farmers Capacity Building Training	1 batch	X											
17	Market Visit by Resource Farmers	1 batch		X										
<b>D</b>	<b>Gender Mainstreaming</b>													
1	Conduct GLD training in the WMG level	120 nos.		X	X	X	X	X	X	X	X	X	X	X
2	Coutyard Meeting on Gender Awareness Raising	144 nos.	X	X	X	X	X	X	X	X	X	X	X	X
3	Join Training Program with UP on small business for women empowerment	1	X	X	X									
4	Training on market linkage and women empowerment	01 Batch			X	X								
5	Assist WMGs to enroll 40% Women in WMG	16	X	X	X	X	X	X	X	X	X	X	X	X
6	Women empowerment through horizontal Learning	15 WMGs				X	X				X	X	X	
7	Observance of International Women; s Day (IWD)	3 Events									X			
<b>E</b>	<b>Training and Communication</b>													
1	Vedio demonstration	20 nos.		X	X	X	X	X	X	X	X	X	X	X
2	Popular Theater	03 nos.					X	X	X				X	
3	Case study/ Good practices	As per requirement		X	X	X	X	X	X	X	X	X	X	X
<b>F</b>	<b>MRL</b>													
1	Assist WMGs to conduct participatory monitoring	20 WMGs				X						X		
2	Prepare WMOs Tracker	20 WMGs				X			X			X		
3	Assist WMA to conduct participatory monitoring	1 WMA										X		
4	Result Sharing with polder team	2 nos.					X						X	
5	Impact Study	2 nos.						X				X		



## Annex C: Satkhira Zonal Plan

### Polder-wise Planning Format: Polder-2, Satkhira

#### Progress to end-June 2018

**Organizational Management:** Two events of Upazila Orientation Programs were organized at Satkhira Sadar Upazila and Assasuni Upazila. Three WMAs have been re-constituted from the earlier five and five WMGs have been formed at the extension part of Polder-2. The registration papers for three WMAs and five WMGs have been submitted to extension department of BWDB. Audit of 56 WMGs have been completed by the Office of Audit Directorate of BWDB. Five batches of horizontal learning events were organized which was attended by 44 WMGs (on CAWM 12 WMGs, summer tomato 29 WMGs and improved poultry housing 3 WMGs). Sluice Catchment O&M Committees have been formed in 12 active/partial active sluice areas.

**Water Resource Management:** About 15 km khal re-excavation completed and 12 km works are running (35% works completed). 20 km embankment re-sectioning works completed and 10 km are running (40% works completed). Re-construction of two sluices (Chapra and Madra sluice) have been completed and one (Moheswarkati sluice) is running (70% works completed).

**Agriculture and Economic Development:** Two successful CAWM demonstrations established one at Koikhali-Fulbari WMG and another one at Jeala- Badhondanga WMG areas. High Yielding Mustard (BINA Sorisha -4, BINA Sorisha -9 and BINA Sorisha -10) has introduced at 9 WMGs areas under Cropping Intensity Initiatives (CII) activities. Summer Tomato Cultivation has been demonstrated in 2 plots with the support from BGP which created a new venture for the local farmers. Through the horizontal learning events 56 farmers were taught about the summer tomato cultivation of which 35 farmers already started cultivation with about 90% is their own cost. BRRI dhan 67 was introduced in the boro season. Straw berry and sweet potato also introduced by innovation fund. Poultry rearing and women led vegetable cultivation becomes a role model at Koikhali WMG area. Community led fisheries and Pen culture introduced at 6 (six) WMGs where mono sex tilapia and carp fish fingerlings were introduced. Business planning training for RF, CF and FT and actor linkage meeting for WMG members with value chain actors was organized to strengthen networking and VC activities among WMG members.

**Brief summary of largest successes in your polder:** Amodkhali Khal– a story now in the heart of every man under Fingri union. Due to re-excavation of Amodkhali khal about 19 beels with approximate areas 4233 ha of land come under Aman rice cultivation after 15-16 years sufferings with water logging.

Good partnership between WMOs and LGIs & different service provide has been significantly improved at Fingri, Brahmarajpur and Budhata union areas. After Amodkhali khal re-excavation the mind-set of the UPs and local leaders has changed and now they are becoming friends of Blue Gold Program. The Chairman of Fingri Union parishad allocated an office room for Amodkhali Sluice WMA in his UP complex, and provided pipe to the 5 WMGs for drain out water from the water-logged areas

**Lessons learnt**

- Formal and informal horizontal learning seems most effective tools to make farmer aware and transfer the new farming technology initiatives.
- WMA should be strongly supported by UP Chairmen and Upazila Chairmen to proper IWM and O & M .
- For any kind of mapping and or planning exercise with farmers, if it is around 3 hrs program we could easily organize at afternoon at the field level with only the cost of snacks for the participants. Then we should reduce the time for formal inauguration session/lectures by the guests.

**2018 / 2019 Objectives**

It will be phase out in 2<sup>nd</sup> phase (June, 2019)

- Strengthening networking and partnership with UPs, WMGs, BWDB, DAE and SPs
- Improve IWM and drainage capacity of the polder
- Scale up new technology for crop production and increasing cropping intensity
- Making all phasing out arrangement and leaving functional WMGs

## 3.11.2 Annual Work Plan of Polder 2 with timeline

S.N	Task Name	Target	2018						2019						
			Ju	Au	S	O	N	D	J	F	M	A	M	J	
<b>A</b>	<b>Organizational Management</b>														
1	Support WMG for WAP formulation and Implementation	64 WMGs	x	x	x										
2	Facilitate and support for voluntarily implement of Internal Water Management	10 WMGs	x	x	x	x	x	x				x	x		
3	Engage UP and WMA for making free the occupied khals/embankment	10 WMGs	x	x	x	x	x	x	x				x	x	
4	Expansion Collective Actions (CAs)	45WMGs	x	x	x	x	x	x	x	x	x	x	x	x	x
5	Organize linkage and network development workshop with WMA, UP and others service provider	6 events		x	x	x									
6	Election of WMGs	31 WMGs	x	x	x	x	x	x							
7	Formation & registration of WMA (Extension part)	1 WMA	x	x	x										
8	Election of WMAs	3 WMAs						x	x	x	x				
9	Facilitate WMG to utilize DAE cash grants	47 WMGs	x	x	x	x	x	x	x	x	x	x	x	x	x
10	Encourage WMG to increase Savings and IGAs	64 WMGs	x	x	x	x	x	x	x	x	x	x	x	x	x
11	Increase O&M Fund and fund use for implementation	64 WMGs	x	x	x	x	x	x	x	x	x	x	x	x	x
12	Facilitate LCS implementation	16 LCSs	x				x	x	x	x	x	x	x	x	x
13	Organize Horizontal Learning	20 Events				x	x	x	x	x					
14	Identification good practices, preparation fact sheets and learning sharing linkage workshop	64 WMGs	x	x	x	x	x	x	x	x	x	x	x	x	x

15	Inclusion of WMGs members in the UP-Standing Committee	8 UPs	x	x	x									
16	Facilitate to WMGs for Quarterly & Annual General Meeting	64 WMGs	x	x	x			x			x			x
17	Facilitate process of O&M agreement between WMA and BWDB	1 event									x	x		
18	Sub-committee formation of WMG in Extension part	6 WMGs			x									
19	Day observation	5 events				x					x	x		
<b>B</b>	<b>Water Resource Management</b>													
1	Re-sectioning of embankment (carried over)	4km	x	x	x	x	x	x	x	x	x	x	x	x
2	Re-sectioning of embankment (New)	1km							x	x	x	x	x	x
3	Re-excavation of Khal (carried over)	10km	x	x	x	x	x	x	x	x	x	x	x	x
4	Re-excavation of Khal (New)	7km							x	x	x	x	x	x
5	Repair of sluice	10							x	x	x	x	x	x
6	Construction / Re-Construction of sluice	3							x	x	x	x	x	x
7	Pump Sheds construction	4							x	x	x	x	x	x
8	Low cost Bank protection	1km							x	x	x	x	x	x
9	Water management Culverts	10						x	x	x	x	x	x	x
10	Drainage Pipes	300m							x	x	x	x	x	x
11	Internal Dyke	5km							x	x	x	x	x	x
12	New Sluice key handover to WMA	3nos	x	x										
13	O&M works (Ghogs, Rain cut, Slope repairing, removal of slushy earth)	0-52 km							x	x	x	x	x	x
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Follow up old FFS	84 FFS	x	x	x	x	x	x	x	x	x	x	x	x
2	FFS cycle -11 by TA part (poultry and homestead vegetables)	9 FFS	x	x	x									

3	FFD by TA part	9 FFD			x	x								
4	FFS cycle -12 by TA part	10 FFS					x	x	x	x	x	x		
5	Facilitate DAE FFS activities	40 FFS	x	x	x	x	x	x	x	x	x	x	x	
6	End line survey (FFS) by TA part	153 HHs				x	x	x				x	x	x
7	New crop demonstration with collaboration of BRRI, BINA, BARI and private sector	10 demos	x	x	x	x	x	x	x	x	x	x	x	x
8	Organize Vaccination camp (Poultry, Cattle, Goat etc.)	2 events					x	x						
9	Workshop with WMO to promote C/A, business planning and/or private co. linkage	2 events			x			x						
10	Establish CII demonstration at WMGs	6 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
11	Crop cutting Field day under CII	9 events	x	x	x	x	x	x	x	x	x	x	x	x
12	Farmers orientation on CII implementation process (WRM, cropping pattern & production technique)	2 batches	x	x										
13	Facilitate market orientation session (CA, networking, record keeping etc)	14 sessions	x	x	x	x	x	x	x	x	x	x	x	x
14	Promote Bashok marketing	15 WMGs			x	x	x	x	x	x	x	x	x	x
15	VC Actors meeting with WMO for summer tomato	1 meeting	x	x	x	x	x	x	x	x	x	x	x	
16	GL+CF+RF+PF+FT linkage workshop	2 events	x	x	x	x	x	x	x	x	x	x	x	
17	Market visit by RFs/CFs	1 event				x	x							
18	Crop cut activities	10 nos.				x	x	x	x	x	x	x		
19	Community Led Fisheries(CLF)	2 nos.	x	x	x	x	x	x	x	x				
20	Training on CLF (10 members from two CLF)	3 batches	x	x	x	x	x	x						
21	Scale up summer tomato cultivation	35 farmers	x	x	x	x	x							

22	Pen Culture activities	1 nos.	x	x	x	x	x	x							
23	Joint collaboration with DAE of establishing CAWM	4 nos.	x	x	x	x	x	x							
24	Scale up CAWM by TA Part	2 nos.	x	x	x	x	x	x							
25	Crop cutting at CAWM areas	10 nos.				x	x								
26	Establish CFWM	1 nos.	x	x	x	x	x	x							
<b>D</b>	<b>Training and Communication</b>														
1	Conduct Training on GLD, OM and AKAS (for extn. Part)	68 WMGs	x	x	x	x	x	x							
2	Organize Catchment level O&M planning workshop	12 catchments			x	x	x	x							
3	Organize O&M training for gate operators	1 event								x					
4	Training on capacity building for input and output Traders	3 events			x	x									
5	Poultry Vaccinator Training	1 event		x	x										
6	Refresher training for CLW	1 event					x	x							
7	Sharing Workshop with DAE/DLS /DoF	1 event								x					
8	Post-harvest mgt. Training for producer on selected high value/VC crop	1 event									x				
9	Agricultural technology transfer fair	1 event								x					
10	Organize WMG's Annual Convention	1 event				x									
11	Organize crop cutting festival for CAWM area	1 event					x								
12	Workshop on linkage development & women empowerment at CAWM area	2 events		x		x									
13	Joint training program with UP for small business for women empowerment	4 events		x		x		x			x				
14	Special training on market linkage and women empowerment.	1 event								x					
15	Printing DRR One Pager	2 times				x							x		

16	Establish information sharing boards at the UP complex	8 UPs					x	x						
17	Video preparation on best practices (IWM, O&M etc.)							x	x	x				
<b>E</b>	<b>MRL Activities</b>													
1	WMG Tracker WMG Level	4 times	x			x			x			x		
2	Participatory Monitoring WMG level	2 times				x						x		
3	Participatory Monitoring WMA level	2 times	x						x					
4	Impact Monitoring Surveys	1 time				x	x							
5	Sharing of and reflection on monitoring results	12 times	x	x	x	x	x	x	x	x	x	x	x	x
<b>F</b>	<b>Innovation Fund</b>													
1	Assist different IF programs (mPower, Deltares etc.)	As per requirement	x	x	x	x	x	x	x	x	x	x	x	x
<b>G</b>	<b>Gender Mainstreaming</b>													
1	Conduct Court Yard Sessions to increase women involvement in decision making, leadership and income generating activity	84 sessions	x	x	x	x	x	x	x	x	x	x	x	x
2	Observation of International Women Day	1 event									x			
3	Women empowerment through HL Program	2 events						x		x				





## Annex D: Patuakhali Zonal Plan

### Progress to end-June 2018

The Blue Gold Program area under Patuakhali zone covers two districts, namely, Patuakhali and Barguna, 6 Upazila and 21 Unions. There are 10 Polders among them 6 are IPSWAM Polders. 161 WMGs have been formed/re-formed under Patuakhali zone among which 171 WMGs have been registered under Participatory Water Management Rules, 2014 for operation and maintenance activities. More than 3km drainage canals are made by the WMGs' members without any financial support of BGP. About 200 ha of boro rice is cultivated to reduce. 14 Community led Fishery in 4 Polders (among which 7 are khal and 7 are ponds) by WMG members, 24 cropping intensity initiative in 8 polders have been conducted in last year. 6 Community led Agriculture Water Management (CAWM) FFS was conducted with the assistance of DAE. Some innovative works successfully completed in CAWM area also in the FY 2017-18. Farmers get benefit regarding water management from next season. We started work in two new Polders in Kalapara from January, 2017 where we have established WMGs successfully. WMGs' members participated in different operation and maintenance activities spontaneously and collectively, they also successfully involved local government (UP) and upazila administration.

### Lessons learnt

- Community led Agriculture Water Management (CAWM) were a good initiative for internal water management
- Community led Fisheries may be potential in Patuakhali Zone. For WMGs sustainability this type of collective action is very much needed. Otherwise WMG may not sustain
- Cropping intensity initiative is an important activity to increase income for farm household through crop production
- Co-funding approach of CAWM for operation and maintenance is very effective approach for establishing honourship

### 2018 / 2019 Objectives

Objectives of the zonal planning are as follows:

- Establish a functional and sustainable WMOs;
- Enhance and support Polder team activities;
- Develop Gender and Leadership of WMOs;
- Promote collective action, business planning and Linkage with private sector;
- Establish strong relations with UPs, WMGs and BWDB and DAE, DoF, DLS officials.

### 2018 / 2019 Planned activities

Except general activities on three main focused issues (Equitable water management, Infrastructures development and Strengthen value chains including agricultural production) of BGP in order to "Reduce Poverty and Improve Food Security through Equitable Water Management, Agricultural Development, and Economic Growth in Coastal Polders" Patuakhali zone is planned some extra or special activities. Increase coordination and integration among different activities of stakeholders, strategic workshop for sheep up and better achievement and project and community based human resource development. The planned activities for FY 2018-19 are mentioned in below page.

## 3.11.3 Annual Work Plan of Patuakhali Zone with timeline

S.N	Task Name	Target	2018						2019					
			Jul y	Au g	Se pt	Oct	No v	De c	Jan	Fe b	Ma r	Apr	Ma y	Jun e
<b>A</b>	<b>Organization, Management and Coordination</b>													
1	Arrange Zonal Coordination meeting	12	X	X	X	X	X	X	X	X	X	X	X	X
2	Review Monthly polder action plan	84	X	X	X	X	X	X	X	X	X	X	X	X
3	Arrange Quarterly Zonal Coordination meeting (In presence of BWDB, DAE, DOL, DOF representatives)	4			X				x			X		X
4	Organize Quarterly staffs meeting at zonal level	4			X				X			X		X
5	Prepare polder wise Half Yearly Report	20	X							X				
6	Annual plan review and sharing with Polder team	10 Polders							X					X
7	Prepare Catchment O&M planning	78	X	X	X									
8	Attend Polder Coordination meeting	84	X		X	X	X	X	X	X	X	X	X	X
9	Attend Tri-Zonal Meeting	4		X				X			X		X	
10	Organize exchange visit for new staffs on CA, HL and Good practices	1	X											
11	Conduct rapid WMG functionality appraisal	161	X	X	X	X	X	X	X	X	X	X	X	X
12	Conduct Staffs performance Appraisal	All CDFs						X						
13	Assist WMAs to sign O&M agreement with BWDB	6				X	X							
<b>B</b>	<b>Water Resource Management</b>													
1	Site survey, assist in design data collection	39	X	X	X									
2	Pre-work survey	73		X	X	X								
3	Contractor orientation	4							X					
4	Estimate checking & recommendation	45				X	X	X						
5	Assist in formation & Training of LCS Group	18				X	X	X						

7	Contract award	56						X	X					
8	Lay out of Infrastructure	56						X	X					
9	Construction monitoring training (WMAs)	4							X	X				
10	Supervision & Monitoring	Infrastructure work						X	X	X	X	X	X	X
11	Post-work survey	73										X	X	X
<b>C</b>	<b>Agriculture production and Business Development</b>													
1	SVC group Strategic Workshop	1						X	X					
2	Input Trader Capacity Building (Poultry & Fish)	0					X	x						
3	Participation of manual on market orientation to enhance dissemination of information	200	X	X										
4	Fingerlings nursery owners capacity building training	1								X				
5	Sharing Workshop with DAE/DLS/DoF	1							X			X		
6	Exposer visit	3						X	X					
7	Organize refresher ToT for the Farmers Trainer (FT)	1						X						
8	Monitoring of IF project activates		X	X	X	X	X	X	X	X	X	X	X	X
9	Trial on potential profitable cropping systems/ technologies followed by chance crop (CII)	12	X	X	X	X	X	X	X	X	X	X	X	X
10	Community led Fisheries (CLF)	18	X	X	X	X	X	X	X	X	X	X	X	X
<b>D</b>	<b>Environmental Sustainability and DRR</b>													
1	Facilitate session on environmental safeguard at the contractor's orientation program	161 WMGS		X										
2	Participate at the workshop/meeting at polder level						X					X		
3	Day observation (NDPD, IDDR, etc.)	2					X					X		
<b>F.</b>	<b>Organization Horizontal Learning</b>													
1	Identification of good practices	10	X	X	X	X	X	X	X	X	X	X	X	X

2	Fact sheet preparation of identified good practices	10	X	X	X	X	X	X	X	X	X	X	X	X
3	Organizing experience sharing events/visits (CAWM-12, Organization mgt-10, Gender-4, VC-8, O&M-10)	42			X	X	X			X	X	X		
4	Learning/sharing workshop (Zone level)	1							X					
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>													
1	Consultation meeting with WMG/Community	20											X	X
2	Area/field selection finalization	16											X	X
3	Facilitate & Assist CAWM activities	16	X	X	X	X	X	X	X	X	X	X	X	X
4	Water Management Infrastructures Development	16							X	X	X	X		
5	FFD/Crop cutting events and reporting	16					X	X						

## Polderwise Annual Work Plan of Patuakhali zone

### Phasing-out Polders:

## 3.12 Polder 43/2A

### Progress to end-June 2018

Polder 43/2A is a phase out Polder. The Polder consists of 22 WMGs & 2 WMA. 20 WMGs & 01 WMA are registered with BWDB. 02 WMGs are not registered due to court case. The planned activities for FY 2017-18 under strengthening water management through partnership, agriculture and value chain activities, have been achieved successfully. All WMGs are capable to organize and conduct monthly meeting in each Month. They are being updating books and records by themselves but still they need some back stopping from Blue Gold. Two Communities led Agriculture Water Management (Collective Action) established in this polder. 15 WMGs raised up O&M fund total tk. 2,90,000. 5% of WMG members are involved in an economic collective activity & 25% of WMG members have adopted poverty-targeted technologies. During the reporting period 12 WMGs took part in self-initiated collective activities like embankment repairing, sluice maintenance, khal cleaning and construct cross dam in Khals as a part of water management. During the reporting period (2017-18) the great successes are Paschim Boro Bighai WMGs 300 Miter re-excavation Jintolar khal as their own initiative.

### Lessons learnt

- Polder dwellers adopted new technologies such as Income generation activity, Poultry rearing, Beef fattening, Fish culture, Homestead-vegetables, HYV rice cultivation, collective action, catchment level & internal water management through FFS, CII, CAWM, Horizontal learning & other activity;
- Most of the WMGs are collectively purchasing/selling agriculture inputs and also organize collective initiatives in some social issues;
- WMGs have been created good relationship with different actors which are helping them to get different services, inputs and information for their organization as well as economic development;
- Gradually increase Linkage between WMGs & UP, DAE, BWDB, ULO, UFO & Other NGOs.

### 2018 / 2019 Objectives

- Improve performance of the WMOs;
- Include members of WMGs in UP standing committee;
- Improve drainage capacity of the polder by re-excavation of canal
- Disseminate improve technology (about fish culture, beef fattening, poultry rearing, vegetable production & Nutrition) through FFS and trail setup.
- Promote collective action, business planning and Linkage with private sector;
- Linkage establishment among RF, CF, LF, FT and market actors;

## Blue Gold Program

- Scaling up Community initiatives/good practices through Horizontal Learning.
- Establish strong relations with UPs, WMGs, BWDB, DAE, DoF & DLS officials.
- For environmental sustainability and DRR, develop capacity of environmental & DRR councilors and UDMC
- Up-scaling CAWM
- Develop Gender and Leadership of WMG members.

## 3.12.1 Annual Work Plan of Polder 43/2A with timeline

S.N	Task Name	Target	2018						2019					
			Ju	Au	S	O	N	D	J	F	M	A	M	Ju
<b>A.</b>	<b>Organization and Water Management/OWM</b>													
1.	Polder wise WMA Registration	1		x										
2.	Catchment level O&M sub-committee formation	26							x	x				
3.	Organise Collective Action in WMGs	25	x	x	x	x	x	x	x	x	x	x	x	x
4.	Promote and implement identified new CAs with WMGs	18 WMGs	x	x				x	x	x	x	x		
5.	Continue assisting WMGs to improve performance	18	x	x	x	x	x	x	x	x	x	x	x	x
6.	Collect/create O&M Fund in WMGS	1,00,000	x	x	x	x	x	x	x	x	x	x	x	x
7.	O&M Plan preparation in WMGs	22 WMGs							x	x	x			
8.	Catchment level Water Management and O&M Plan preparation and Implementation	5 Catchment										x	x	x
9.	Inclusion of WMGs members in the UP-Standing Committee	20 Members	x	x	x	x	x	x	x	x	x	x	x	x
10.	WMGs Action Plan (WAP) preparation and implementation	22 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
11.	WMG's Annual General Meeting (AGM) and WAP approve	22 WMGs	x	x										
12.	Formation of WMA Monitoring committee for LCS work	2								x				
13.	WMG Monthly meeting	22 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
14.	Saving Collection in WMGs	3,50,000 tk.	x	x	x	x	x	x	x	x	x	x	x	x
15.	Individual IGA in WMGs Level	9 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
16.	Collective IGAs in WMGs	5,00,000 tk.	x	x	x	x	x	x	x	x	x	x	x	x
17.	International Woman's day observation by WMA level	1									x			
18.	Polder Coordination Meeting	12 no.	x	x	x	x	x	x	x	x	x	x	x	x
19.	WMGs Registration	2 WMGs		x	x	x								
<b>B.</b>	<b>Infrastructure Development</b>													

1	Retired embankment	4 Km										X	X		
2	Re-exavation of Khals	30.5 km									X	X	X		
3	Construction of sluice	2 no.								X	X	X	X	X	X
4	Construction of outlet	2 no.								X	X	X	X	X	X
5	Construction of Inlet	3 no.								X	X	X	X	X	X
6	Water Management Culvert Construction	1								X	X	X	X	X	X
<b>C. Agriculture and Economic Development</b>															
1	BG-TA FFS follow-up facilitation	20	X	X	X	X	X	X	X	X	X	X	X	X	X
2	Backstopping Old FFS (networking support)	20	X	X	X	X	X	X	X	X	X	X	X	X	X
18	Community led Fisheries (CLF)	1	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>D. Environmental Sustainability and DRR</b>															
1	Day observation (NDPD, IDDR, etc.)	2					X						X		
<b>E. Phasing out Meeting with polder level stakeholders</b>															
1	Consultation meeting with WMGs and exit	22												X	X
2	Consultation meeting with WMA and exit	2													X
<b>F. Organization Horizontal Learning</b>															
1	Identification of good practices	8	X	X	X	X	X	X	X	X	X	X	X	X	X
2	Fact sheet preparation of identified good practices	8	X	X	X	X	X	X	X	X	X	X	X	X	X
3	Experience-sharing events(CAWM-2, Mkt/ED-1, gender-2)	5							X	X	X			X	X
<b>G. Community Agriculture Water Management (CAWM)</b>															
1	Consultation meeting with WMG/Community	6 no.										X			
2	Area/field selection finalization	3 no.													
3	Facilitate & Assist CAWM activities	3 no.	X	X	X	X								X	
4	Water Management Infrastructures Development	3 no.					X	X	X	X	X	X	X	X	
5	FFD/Crop cutting events and reporting	3 no.					X	X							



### 3.13 Polder 43/2B

#### Progress to end-June 2018

A total of 28 WMGs have been established in this Polder and they maintain their record keeping. O & M fund have been raised of twenty WMGs out of 28. Audit by BWDB of 28 WMGs have been completed. Eight CAG workshops and one linkage workshop among RF/ CF/LF/FT & Market actors have been done. Eight collective actions (Agril. Input buying and selling, land tillage) were developed in this polder. Two Communities led Agriculture Water Management (Collective Action) established in this polder. A total of 16.74 Km canal was re-excavated and 16.47 km embankment was re-sectioning completed. Two sluices have been repaired. 42 nos Inlet repair completed.

#### Lessons learnt

Collective action, economic Activities and collective IGAs is the main pillar of functional WMG. Otherwise a WMG cannot sustain. 28 FFS on poultry rearing, Vegetables and Nutrition conducted in FY 2014-15 but there was no follow up in the next. Community led Agriculture Water Management may be potential for collective Action. Some collective actions/IGAs sustain through which the members of WMG get benefits.

#### 2018 / 2019 Objectives

It's objectives of the planning are as follows:

- Establish sustainable WMGs and Establish a functional WMA;
- Assist WMG to perform economic activities;
- Develop Gender and Leadership of WMG members;
- Promote collective action, business planning and Linkage with private sector;
- Linkage establishment among RF, CF, LF, FT, SAAOs and market actors; and establish strong relations with UPs, WMGs and BWDB and DAE, DoF, DLS officials.

## 3.13.1 Annual Work Plan of Polder 43/2B with timeline

S.N	Task Name	Target	2018						2019					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A.</b>	<b>Organization and Water Management/OWM</b>													
1.	Organise Collective Action in WMGs	15 WMGs	x	x			x	x	x	x	x	x		
2.	Promote and implement identified new CAs with WMGs	5 WMGs		x			x	x	x	x	x			
3.	Continue assisting WMGs to improve performance	28 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
4.	Collect/create O&M Fund in WMGS	Tk. 84,000	x	x	x	x	x	x	x	x	x	x	x	x
5.	O&M Agreement between WMA and BWDB	2				x	x						x	x
6.	Gate Operation training for gatekeepers (Practical)	1 batch							x					
7.	O&M Plan preparation in WMGs	28 WMGs	x				x	x					x	
8.	Catchment level Water Management and O&M Plan preparation and Implementation	6	x	x	x	x	x	x	x	x	x	x	x	x
9.	Inclusion of WMGs members in the UP-Standing Committee	140	x	x	x	x	x	x	x	x	x	x	x	x
10.	WMGs Action Plan (WAP) preparation and implementation	28	x	x	x	x	x	x	x	x	x	x	x	x
11.	WMGs Participatory monitoring (PME session conduction)	84	x		x			x			x			x
12.	WMG's Annual General Meeting (AGM) and WAP approve	x												x
13.	WMG Monthly meeting	336	x	x	x	x	x	x	x	x	x	x	x	x
14.	Saving Collection in WMGs	Tk. 56,000	x	x	x	x	x	x	x	x	x	x	x	x
15.	Collective IGAs in WMGs	15 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
16.	International Woman's day observation by WMA level	1									x			
17.	Polder Coordination Meeting	12	x	x	x	x	x	x	x	x	x	x	x	x
<b>B.</b>	<b>Infrastructure Development</b>													

1	Retired embankment	2km							x	x	x	x	x	
2	Construction of sluice	1						x	x	x	x	x	x	
<b>C.</b>	<b>Agriculture and Economic Development</b>													
1	BG-TA FFS follow-up facilitation	28	x	x	x	x	x	x	x	x	x	x	x	x
2	Backstopping Old FFS (networking support)	28	x	x	x	x	x	x	x	x	x	x	x	x
3	Baseline & End line survey in FFS	-												
4	Training/workshop for WMGs' representatives/RF on collective action, crop budget and linkage & networks	1						1						
5	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1					x							
6	Community led Fisheries (CLF)	2	x	x	x	x	x	x	x	x	x	x	x	x
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Day observation (NDPD, IDDR, etc.)	2					x					x		
<b>E.</b>	<b>Phasing out Meeting with polder level stakeholders</b>													
1	Consultation meetinbg with WMGs and exit	28											x	x
2	Consultation meetinbg with WMA and exit	2												x
<b>F.</b>	<b>Organization Horizontal Learning</b>													
1	Identification of good practices	10	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	10	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing experience sharing events/vigits (CLF-1, O&M-2, Mkt/Gender-1)	4					x	x					x	x

## 3.14 Polder 43/2D

### Progress to end-June 2018

There is a total of 28 WMGs functioning in this Polder. Most of the WMGs are capable to organize and conduct monthly meeting but in some of them didn't regularly organized meeting in each Month. They are being updating books and records by themselves but still they need some backstopping from Blue Gold. About 80% WMG raised O & M. Audit by BWDB of 28 WMGs have completed. One value chain actors meeting has been completed. A total of 21 WMGs have purchased seeds, fertilizer, pesticides collectively and 14 WMGs have sold Mungbean collectively to Euglena.

2 CAWM FFSs were established in this polder. Just Farming is being implementing an ICT support-based project under innovation fund of Blue Gold Program. Two nos. of Community Fisheries have conducted. There are some fruit trials have established in this polder. A total of 18.57km khals has been re-excavated. Fourteen sluices, 46 inlets and 3 outlets have been repaired.

### Lessons learnt

Self-evolving activities, collective action, economic development activities and collective IGAs are the main pillar of functional WMG. Although, organizational management capacity of a organization is very essential for efficient and effective implementation of organization's activities. Without participation of general members of the WMOs in decision making process and in implementation it will not be possible to make the WMOs functional and sustainable. Financial transparency is very essential for an organization to attain trust of general members. Some exotic fruit trials have been established in this polder but result of these trials are not satisfactory due to inadequate follow up. Community led Fisheries may be potential for collective IGAs. Some collective actions sustain through which the members of WMG get benefits.

### 2018 / 2019 Objectives

It's a phase-out Polder. Objectives of the of this planning are as follows:

- Establish a functional WMA;
- Establish functional and sustainable WMGs;
- Assist WMGs to initiate economic activities;
- Develop Gender and Leadership of WMG members;
- Promote collective action, business planning and Linkage with private sector;
- Linkage establishment among RF, CF, LF, FT and market actors; and
- Establish strong relations with UPs, WMGs and BWDB and DAE officials.
- Support WMGs in implementing community fisheries as an income generating activity
- Establish resource persons pool who will support WMG in initiating collective actions and networking

## 3.14.1 Annual Work Plan of Polder 43/2D with timeline

S.N	Task Name	Target	2018						2019					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A.</b>	<b>Organization and Water Management/OWM</b>													
1	WMGs Executive Committee Election	2		X	X									
2	Catchment level O&M sub-committee formation	Done												
3	Organise Collective Action in WMGs	85	X	X	X	X		X	X		X	X	X	
4	Promote and implement identified new CAs with WMGs	13	X					X	X	X				
5	Continue assisting WMGs to improve performance	28 WMG	X	X	X	X	X	X	X	X	X	X	X	X
6	Collect/create O&M Fund in WMGS	Tk. 2,00,000	X	X	X	X	X	X	X	X	X	X	X	X
7	O&M Agreement between WMA and BWDB	1		X										
8	O&M Plan preparation in WMGs	28	X	X	X									
9	Catchment level WRM and O&M Plan & Implementation	16		X	X	X	X	X	X	X	X	X	X	X
10	Inclusion of WMGs members in the UP-Standing Committee	15	X	X										
11	WMGs Action Plan (WAP) preparation and implementation	28 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
12	WMGs Participatory monitoring (PME session conduction)	28 WMGs			X									
13	WMG's Annual General Meeting (AGM) and WAP approve	28 WMGs	X	X										
14	Formation of WMA Monitoring committee for LCS work	5 no.									x			
15	WMG Monthly meeting	28 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
16	Saving Collection in WMGs	3,00,000 tk.	X	X	X	X	X	X	X	X	X	X	X	X
17	Individual IGA in WMGs Level	5,00,000 tk.	X	X	X	X	X	X	X	X	X	X	X	X
18	Collective IGAs in WMGs	20,00,00 tk.	X	X	X	X	X	X	X	X	X	X	X	X
19	International Woman's day observation by WMA level	5									X			
20	Polder Coordination Meeting	12 no.	X	X	X	X	X	X	X	X	X	X	X	X

21	Support of UP in water management	14 WMG	X	X	X	X	X	X	X	X	X	X	X	X
22	WMGs Registration	1 WMG		x	x	x								
23	WMAs Registration	4 WMA			x	x	x							
<b>B.</b>	<b>Infrastructure Development</b>													
1	Re-sectioning of embankment	1 km	X											
2	Re-excavation of Khals	13 km							X	X	X	X		
3	Repair of sluice	1								X				
4	Construction of sluice	1							X	x	x	x		
5	Construction of outlet	1							X	x	x	x		
6	Construction of Culvert	1							x	x	x	x		
7	Low cost Bank protection	0.200 m	X											
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Backstopping Old FFS (networking support)	40	X	X	X	X	X	X	X	X	X	X	X	X
2	FFS formation and conduction (DAE)	5	X	X	X	X	X	X						
3	Field Farmers day observe (DAE)	5						X						
5	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1	X											
6	Training on post-harvest handling and management for RF	2					X							
7	Develop Seed producers and providers at local level/polder/WMG's member (Person)	10	X	X	X	X	X	X						
8	Refreshers Training for Input providers	7 Person		X										
9	Community led Fisheries (CLF)	2	X	X	X	X	X	X						
	Private Co. support for WMGs	15 WMG	X	X					X	X				
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Day observation (NDPD, IDDR, etc.)	1									X			
<b>E.</b>	<b>Phasing out Meeting with polder level stakeholders</b>													

1	Consultation meeting with WMGs and exit	28			X									
2	Consultation meeting with WMA and exit	5			X									
<b>F.</b>	<b>Organization Horizontal Learning</b>													
1	Identification of good practices	14												
2	Fact sheet preparation of identified good practices	13												
3	Organizing experience sharing events/visits (CAWM-2, O&M-2, Mkt. & gender-2)	6					X	X				X		
4	Learning/sharing workshop (Zone level)								X					
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>													
1	Consultation meeting with WMG/Community	1	X											
2	Area/field selection finalization	1	X											
3	Facilitate & Assist CAWM activities	1		X	X	X	X	X	X	X	X	X	X	X
4	Water Management Infrastructures Development (cannel excavation, pipe installation, culvert construction etc.)	2									X	X		
5	FFD/Crop cutting events and reporting	1					X							

### 3.15 Polder 43/2E

#### Progress to end-June 2018

A total of 12 WMGs have been established in this Polder. WMGs maintained record keeping by themselves. O & M fund have been raised of four WMGs out of 12. Audit by BWDB of 12 WMGs have been completed. One CAG workshops and one o linkage workshop among RF/ CF/LF/FT & Market actors have been done. There were eight collective actions (Agril. Input buying and selling) were developed in this polder. Two community led fisheries activities were held in the reporting polder. WMGs and WMA took part in the operation & maintenance activities spontaneously.

#### Lessons learnt

Collective action, economic activities and collective IGAs is the main pillar of functional WMG. Otherwise a WMG cannot sustain. 12 FFS on poultry rearing, vegetables and nutrition conducted in FY 2017-18 but there was no follow up in the next. Community led Fisheries may be potential for collective IGAs. Some collective actions sustain through which the members of WMG get benefits.

#### 2018 / 2019 Objectives

It's a phase-out Polder. Objectives of the of this planning are as follows:

- Establish a functional WMA;
- Establish sustainable WMGs;
- Assist WMG to perform economic activities;
- Develop Gender and Leadership of WMG members;
- Promote collective action, business planning and Linkage with private sector;
- Linkage establishment among RF, CF, LF, FT and market actors; and
- Establish strong relations with UPs, WMGs and BWDB and DAE officials.



## 3.15.1 Annual Work Plan of Polder 43/2E with timeline

S.N	Task Name	Target	2018						2019					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A.</b>	<b>Organization and Water Management/OWM</b>													
1	WMGs Executive Committee Election	4	x	X										
2	Catchment level O&M sub-committee formation	Done												
3	Organise Collective Action in WMGs	12	X	X	X	X		X	X		X	X	X	
4	Promote and implement identified new CAs with WMGs	7	X				X	X	X					
5	Continue assisting WMGs to improve performance	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
6	Collect/create O&M Fund in WMGS	120,000 tk.	X	X	X	X	X	X	X	X	X	X	X	X
7	O&M Agreement between WMA and BWDB	1		X										
8	Gate Operation training for gatekeepers (Practical)	7		x										
9	O&M Plan preparation in WMGs	12 WMGs	X	X	X									
10	Catchment level Water Management and O&M Plan preparation and Implementation	7		X	X	X	X	X	X	X	X	X	X	X
11	Inclusion of WMGs members in the UP-Standing Committee	15	X	X										
12	WMGs Action Plan (WAP) preparation and implementation	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
13	WMGs Participatory monitoring (PME session conduction)	12 WMGs			X									
14	WMG's Annual General Meeting (AGM) and WAP approve	12 WMGs	X	X										
15	Formation of WMA Monitoring committee for LCS work	2 no.								x				
16	WMG Monthly meeting	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
17	Saving Collection in WMGs	1,20,000 tk.	X	X	X	X	X	X	X	X	X	X	X	X
18	Individual IGA in WMGs Level	1,00,000 tk.	X	X	X	X	X	X	X	X	X	X	X	X
19	Collective IGAs in WMGs	2,00,000 tk.	X	X	X	X	X	X	X	X	X	X	X	X
20	International Woman's day observation by WMA level	1									X			

21	Polder Coordination Meeting	12 no.	X	X	X	X	X	X	X	X	X	X	X	X
22	Support of UP in water management	3 WMG	X	X	X	X	X	X	X	X	X	X	X	X
<b>B. Infrastructure Development</b>														
1	Construction of outlet	1							X	x	x	x		
<b>C. Agriculture and Economic Development</b>														
1	BG-TA FFS follow-up facilitation	17	X	X	X	X	X	X	X	X	X	X	X	X
2	Backstopping Old FFS (networking support)	25	X	X	X	X	X	X	X	X	X	X	X	X
3	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1		x										
4	Training on post-harvest handling and management for RF	1					X							
5	Refreshers Training for Input providers	2		X										
6	Community led Fisheries (CLF)	2	X	X	X	X	X	X						
7	Private Co. support for WMGs	7 WMG	X	X					X	X				
<b>D. Environmental Sustainability and DRR</b>														
1	Day observation (NDPD, IDDR, etc.)	1									X			
<b>E. Phasing out Meeting with polder level stakeholders</b>														
1	Consultation meeting with WMGs and exit	12			X									
2	Consultation meeting with WMA and exit	2			X									
<b>F. Organization Horizontal Learning</b>														
1	Identification of good practices	7	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	5	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing experience sharing events/visits (O&M-1, Mkt. dev.-1)	3		x	x			x	x		x	x		

### 3.16 Polder 43/1A

#### Progress to end-June 2018

43/1A is a phase-out polder. The Polder consists of 14 WMG with male and female members are 2252&1589 respectively. 13 WMG's are registered of the polder. There are two WMA in the polder. Most of activities as per plan have been completed. CAWM activities (canal preparation) are also going on to smooth flow of water for agriculture production. Three WMG has been awarded for LCS amounting of Tk. 28, 11,789.00. 13 WMG already have been audited by Bangladesh Water Development Board. During the reporting period unexpected heavy rainfall damaged most profitable and cash crop in this polder. About 70-80% mungbean, water melon, groundnut and chilli damaged by rainfall. To minimization production cost, attractive large buyers and finally to be an agriculture is a profitable business most of WMG have been started collective purchasing and selling of agriculture inputs and products like seeds, fertilizers, crop protection solution. Good business relationships has been developed with different inputs and output market actors and also establish relationship with different organizations like UP, BWDB, DAE, NGOs which helps to get support to smooth running WMG activities. Community-led Fish farming in a canal under the leadership of WMG is a new and innovative initiatives started last year in one WMG. Last year they made income of TK. 27,100. This year they are expecting profit around TK.1, 00,000. Local Union Parishad is supporting this WMG for this initiative. They will share certain percentage of profit with the WMG.

#### Lessons learnt

- The WMGs where proactive leadership exist, are more functioning than other WMGs
- WMGs now are realizing their organization strength and weakness through using of participatory monitoring tools and are taking initiatives for their improvement.
- In most cases same person/representatives from a WMG is/are participating maximum events organized by BGP or other organization where as other members are not getting opportunity to participate, as a result alternative leadership are not growing.
- Most WMG's are collectively purchasing /selling agriculture inputs and products for their economic development and also organize collective initiatives in some social issues.
- WMG's have been created good relationship with different actors which are helping them to get different services, input s and information for their organization as well as economic development
- Some WMG's have taken initiatives to create O&M fund to smooth operation which is a good sign for sustainability
- Some WMG's are using their fund as IGA for livelihoods improvement of poor and extreme poor

#### 2018 / 2019 Objectives

- Capacity development of WMGs/WMA for their transparency and organizational sustainability and also establish linkage with BWDB, DAE and Ups
- Increase cropping intensity
- Make a functional linkage with different inputs market actors for ensuring quality inputs in time which are very much essential for best crop production on the other hand make a linkage with output market actors for ensuring fare price of products.
- For environmental sustainability and DRR, develop capacity of env. & DRR councillors and UDMC

## 3.16.1 Annual Work Plan of Polder 43/1A with timeline

S.N	Task Name	Target	2018						2019					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A.</b>	<b>Organization and Water Management/OWM</b>													
1	Polder wise WMA Registration	1	x	x										
2	Organise Collective Action in WMGs	14	x	x	x	x	x	x	x	x	x	x	x	x
3	Promote and implement identified new CAs with WMGs	3	x					x	x		x	x		x
4	Continue assisting WMGs to improve performance	14 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
5	Collect/create O&M Fund in WMGS	Tk. 42,000	x	x	x	x	x	x	x	x	x	x	x	x
6	O&M Agreement between WMA and BWDB	2	x	x										
7	O&M Plan preparation in WMGs	14	x											
8	Catchment level Water Management and O&M Plan preparation and Implementation	5	x											x
9	Inclusion of WMGs members in the UP-Standing Committee	1											x	x
10	WMGs Action Plan (WAP) preparation and implementation	14	x	x	x	x	x	x	x	x	x	x	x	x
11	WMGs Participatory monitoring (PME session conduction)	56	x			x			x			x		
12	WMG's Annual General Meeting (AGM) and WAP approve	14	x											
13	WMG Monthly meeting	168	x	x	x	x	x	x	x	x	x	x	x	x
14	Saving Collection in WMGs	Tk. 42,000	x	x	x	x	x	x	x	x	x	x	x	x
15	Individual IGA in WMGs Level	4 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
16	Collective IGAs in WMGs	10 WMGs									x	x		
17	International Woman's day observation by WMA level	2									x			
18	Polder Coordination Meeting	12	x	x	x	x	x	x	x	x	x	x	x	x

<b>B.</b>	<b>Infrastructure Development</b>														
1	Re-excavation of Khals	4.75km								x	x	x			
2	Repair of sluice	2						x	x						
3	Construction of outlet	3						x	x	x	x				
<b>C.</b>	<b>Agriculture and Economic Development</b>														
1	Linkage meeting/workshop/seminar with VC actors	1								x					
2	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1						x							
3	Refreshers Training for Input providers	1					x	x							
4	Trial on potential profitable cropping systems/ technologies followed by chance crop (CII)	0													
5	Community led Fisheries (CLF)	1	x	x	x	x	x	x	x	x	x	x	x	x	x
<b>D.</b>	<b>Environmental Sustainability and DRR</b>														
1	Day observation (NDPD, IDDR, etc.)	2					x					x			
<b>E.</b>	<b>Phasing out Meeting with polder level stakeholders</b>														
1	Consultation meeting with WMGs and exit	81											x	x	
2	Consultation meeting with WMA and exit	2													x
<b>F.</b>	<b>Organization Horizontal Learning</b>														
1	Identification of good practices	6	x	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	6	x	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing experience sharing events/vigits	2	x	x	x	x	x	x	x	x	x	x	x	x	x
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>														
1	Water Management Infrastructures Development (cannel excavation, pipe installation, culvert construction etc.)	2 CAWM	x												

### 3.17 Polder 43/2F

#### Progress to end-June 2018

The planned activities for FY2017-18 under organization development strengthen equitable water management, agriculture and strengthen value chain, and training & orientation activities are achieved successfully but the infrastructures activities like khal re-excavation, sluice, outlet reconstruction and repairing are not completed due to late of approval of revised DPP. During the reporting period 19 WMGs took part in self-initiated collective activities like embankment repairing, sluice/outlet/inlet maintenance and khal cleaning activities as part of water management through WMG O&M fund using, self-labour and somewhere with the cooperation of local union parishad, collectively purchased agro inputs and services, selling products. The major accomplished activities in the polder AGM held are in all WMGs. 2 Community Agriculture Water Management FFSs have been conducted with assistance of DAE on rice-based cropping systems in order to make profitable the farm activities through improvement of water management, 4 CIIs conducted to find out profitable and potential cropping system and increase cropping intensity in the polders' area. In 16 WMGs collective action is held on economic development activities like collectively agricultural inputs (seeds, fertilizers, pesticides) purchase and sold their products, and collectively tilled land for crop production in order to reduce production cost, get fair price for product and build strong cohesion among WMG members.

During the reporting period (2017-18) the great successes is 10 WMGs collected O&M fund through kind/product contribution and WMGs participated in O&M activities with their fund. Another great success in polder 43/2F is introducing short duration and sub-merged tolerant T-Aman rice (BRRI Dhan 52) followed by mustard before mungbean, thus increase the cropping intensity as well as income in the polder.

#### Lessons learnt

In accomplishing the last year planned activities we have learnt some lessons those are as below.

- Water management activities need to be linked/relates with the benefits of economic activities and transformed in terms of money, otherwise community mobilize for water management would be difficult.
- If the capital/savings of WMO is invested in potential IGA then the WMO members express interest to participate in the WMO activities, e.g. Dakshin PurbaKalibari, Dakshin Dalachara, and Uttar Aungulkata WMG etc.
- Seasonal crop contribution collection from the land owners is a good and easy practice to create operation and maintenance fund for water infrastructures
- Cultivating short duration T-aman rice — mustard — mungbean cropping system is very potential and helpful to demonstrate the benefit of well water management practices in the polders' area
- Collective action on inputs purchase and land tillage is an important measure to reduce crop production cost that leads the increase of profit
- As part of climate smart agriculture BARI mung-6 and BRRI dhan 52 and boro rice cultivation are very good measures to escape or minimize the climate risk.

#### 2018 / 2019 Objectives

- To accomplish the Blue Gold activities in polder 43/2F properly, timely and efficiently
- To strengthen WMGs so that they can to identify their problems achieve and partners and able to solve the raised problems and establish functional partnership with relevant agencies including private sectors

## 3.17.1 Annual Work Plan of Polder 43/1A with timeline

S.N	Task Name	Target	2018						2019					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A.</b>	<b>Organization and Water Management/OWM</b>													
1	Organise Collective Action in WMGs	20 (WMGs)	x	x					x	x		x	x	
2	Promote and implement identified new CAs with WMGs	5												
3	Continue assisting WMGs to improve performance	27				x	x	x			x	x		
4	Collect/create O&M Fund in WMGS	Tk. 81,000	x	x	x	x	x	x	x	x	x	x	x	x
5	O & M Agreement between WMA and BWDB	3	x	x										
6	O & M Plan preparation in WMGs	27	x						x					
7	Catchment level Water Management and O & M Plan preparation and Implementation	16	x	x	x	x	x	x	x	x	x	x	x	x
8	Inclusion of WMGs members in the UP-Standing Committee	2							x					
9	WMGs Action Plan (WAP) preparation and implementation	27	x											x
10	WMGs Participatory monitoring (PME session conduction)	4	x				x			x			x	
11	WMG's Annual General Meeting (AGM) and WAP approve	27	x											x
12	WMG Monthly meeting	324	x	x	x	x	x	x	x	x	x	x	x	x
13	Saving Collection in WMGs	Tk. 380,000	x	x	x	x	x	x	x	x	x	x	x	x
14	Individual IGA in WMGs Level	10 WMGs	x		x			x	x		x			
15	Collective IGAs in WMGs	8 WMGs	x						x	x		x	x	
16	International Woman's day observation by WMA level	3									x			
17	Polder Coordination Meeting	12	x	x	x	x	x	x	x	x	x	x	x	x
<b>B.</b>	<b>Infrastructure Development</b>													
1	Re-excavation of Khals	14.73km								x	x	x	x	
2	Construction of sluice	2							x	x	x	x	x	

3	Construction of outlet	3							x	x	x	x	x		
<b>C. Agriculture and Economic Development</b>															
1	BG-TA FFS follow-up facilitation	41	x	x	x	x	x	x	x	x	x	x	x	x	x
2	Backstopping Old FFS (networking support)	41	x	x	x	x	x	x	x	x	x	x	x	x	x
3	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	2	x						x	x					
<b>D. Environmental Sustainability and DRR</b>															
1	Day observation (NDPD, IDDR, etc.)	2						x					x		
<b>E. Phasing out Meeting with polder level stakeholders</b>															
1	Consultation meeting with WMGs and exit	27												x	x
2	Consultation meeting with WMA and exit	3													x
<b>F. Organization Horizontal Learning</b>															
1	Identification of good practices	5	x	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	5	x	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing experience sharing events/visits (CAWM-2, O&M-2, Mkt. & gender-2)	6							x	x	x			x	x
<b>G. Community Agriculture Water Management (CAWM)</b>															
1	Consultation meeting with WMG/Community	3												x	
2	Area/field selection finalization	1												x	
3	Facilitate & Assist CAWM activities	1	x	x	x	x	x	x	x	x	x	x	x	x	x
4	Water Management Infrastructures Development (cannel excavation, pipe installation, culvert construction etc.)	1 CAWM									x	x	x		
5	FFD/Crop cutting events and reporting	1						x	x						



Phasing-in Polders:

### 3.18 Polder 55/2A

#### Progress to end-June 2018

Polder 55/2A is a new polder. Former there was WMIP project implemented in this polder and formed 14 WMGs and one WMA. One WMG is not registered. But they have no documents about members registered, cash book, ledger book, resolution etc. So, we reform WMGs and enrolment of members. 10 WMGs covered 55% Household. All of 14 WMGs are remaining for 55% household coverage. One linkage workshop among WMG, Market actors and DAE have been done. 8 collective actions (Agril. Input buying and selling) are held in this polder. Twenty-four FFSs were conducted where 600 female farmers were trained on Poultry, Vegetables and Nutrition; beef fattening, fish culture and nutrition. 6 FFS on beef fattening, fish culture and nutrition is on-going. Two Community led Fisheries was established. 1.50 km embankment was re-sectioned.

#### Lessons learnt

Collective action, Economic Activities and collective IGAs is the main pillar of functional WMG. Otherwise a WMG cannot sustain. Community led Fisheries may be potential for collective IGAs. Some collective actions sustain through which the members of WMG get benefits.

#### 2018 / 2019 Objectives

It's a phase-In Polder. Objectives of the of this planning are as follows:

- Reformed WMGs, Establish a functional WMGs;
- Assist WMG to perform economic activities;
- Develop Gender and Leadership of WMG members;
- Promote collective action, business planning and Linkage with private sector;
- Linkage establishment among RF, CF, LF, FT, SAAOs and market actors; and
- Establish strong relations with UPs, WMGs and BWDB and DAE officials.

## 3.18.1 Annual Work Plan of Polder 55/2A with timeline

S.N	Task Name	Target	2018						2019					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A.</b>	<b>Organization and Water Management/OWM</b>													
1	WMGs Executive Committee Election	1	x											
2	Catchment level O & M sub-committee formation	6				x	x							
3	Organise Collective Action in WMGs	28	x	x			x	x	x	x	x	x		
4	Promote and implement identified new CAs with WMGs	14 WMG/batch	x	x				x	x	x	x	x		
5	Continue assisting WMGs to improve performance	14 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
6	Collect/create O&M Fund in WMGS	Tk. 56,000	x	x	x	x	x	x	x	x	x	x	x	x
7	O&M Agreement between WMA and BWDB	0												
8	Organizational Management (OM) Training for WMG	14 WMGs					x	x						
10	Gender & Leadership Development Training for WMG	1 batch							x	x				
11	Training on Operation & Maintenance with Water Management and Resource Mobilization	1 batch											x	x
12	Gate Operation training for gatekeepers (Practical)	1batch								x				
13	O & M Plan preparation in WMGs	14				x	x						x	x
14	Catchment level Water Management and O & M Plan preparation and Implementation	6	x	x	x	x	x	x	x	x	x	x	x	x
15	Inclusion of WMGs members in the UP-Standing Committee	280	x	x	x	x	x	x	x	x	x	x	x	x
16	WMGs Action Plan (WAP) preparation and implementation	14	x											x
17	WMGs Participatory monitoring (PME session conduction)	56	x			x			x			x		
18	WMG's Annual General Meeting (AGM) and WAP approve	14	x											x
19	WMG Monthly meeting	168	x	x	x	x	x	x	x	x	x	x	x	x

20	Saving Collection in WMGs	78,000	x	x	x	x	x	x	x	x	x	x	x	x
21	Individual IGA in WMGs Level	4 WMGs	x	x						x	x			x
22	Collective IGAs in WMGs	13 WMGs	x	x				x	x	x	x	x		
23	International Woman's day observation by WMA level	1									x			
24	Polder Coordination Meeting	12	x	x	x	x	x	x	x	x	x	x	x	x
<b>B.</b>	<b>Infrastructure Development</b>													
1	Re-sectioning of embankment	3.27km								x	x	x	x	x
2	Re-excavation of Khals	12.7km								x	x	x	x	x
3	Repair of sluice	8								x	x			
4	Repair of outlet	3								x	x			
5	Repair of inlet	4								x	x			
6	Construction of sluice	1							x	x	x	x	x	x
<b>C.</b>	<b>Agriculture and Economic Development</b>													
1	BG-TA FFS follow-up facilitation	42	x	x	x	x	x	x	x	x	x	x	x	x
2	Backstopping Old FFS (networking support)	42	x	x	x	x	x	x	x	x	x	x	x	x
3	FFS formation and conduction	54			x				x			x		
4	Field Farmers day observe	54						x			x	x		x
5	Baseline & Endline survey in FFS	54												
6	Training/workshop for WMGs' representatives/RF on collective action, crop budget and linkage & networks	3 batches						x		x				x
7	Training/workshop for WMGs' representatives on business planning and linkage & networks	1 batch							x					
8	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	14 WMGs/batches							x	x				
9	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1						x	x					
10	GL+CF+RF+PF+FT & Market actors linkage workshop	2						x					x	

11	Market visit of FFS members/RFs	1							x			x		
12	Training on post-harvest handling and management for RF	1 batch							x			x		
13	Linkage meeting/workshop/seminar with VC actors	1								x				
14	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1											x	
15	Refreshers Training for Input providers	1 batch							x	x				
16	Trial on potential profitable cropping systems/ technologies followed by chance crop (CII)	4	x	x	x	x	x	x	x	x	x	x	x	x
17	Community led Fisheries (CLF)	2	x	x	x	x	x	x	x	x	x	x	x	x
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Day observation (NDPD, IDDR, etc.)	2						x					x	
<b>F.</b>	<b>Organization Horizontal Learning</b>													
1	Identification of good practices	7	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	7	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing experience sharing events/visits	4		x	x				x	x		x	x	
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>													
1	Consultation meeting with WMG/Community	8												x
2	Area/field selection finalization	6												x
3	Facilitate & Assist CAWM activities	6	x	x	x	x	x	x	x	x	x	x	x	x
4	Water Management Infrastructures Development (cannel excavation, pipe installation, culvert construction etc.)	4 CAWM									x	x	x	x
5	FFD/Crop cutting events and reporting	5							x					

### 3.19 Polder 55/2C

#### Progress to end-June 2018

Blue Gold Program has extended its activities in this polder about one & half year back and has been working for livelihood improvement of the polder dwellers through forming functional WMGs. In the meantime, targeted 16 WMGs have been formed and are registered with BWDB. Yet, we could not organize basic trainings for the WMGs and not facilitated to prepare WMG Action Plan (WAP). Even then, they are maintaining their accounts and keeping record properly by the help of CDFs.

After polder establishment, no repair work for embankment and sluice gate has been done so total 17 km of embankment is identified for re-sectioning of which 7.3 km re-sectioning activities is going on and rest will be done in the next season. All 7 sluices are identified for repairing and total 15 km Khal is marked for re-excavation. All these will be done in the next season. At present, water logging is very common in the polder area.

#### Lessons learnt

To develop leadership among the WMGs, we have to organize all basic training including Leadership Development training for the WMG EC members. Local people are not aware on participatory water management activities; WMGs should have that capacity to motivate local people. So, capacity development training is needed for the WMGs as well as needed to organize exchange visit for the farmers to the place where water management is maintained by the farmer themselves. For the WMG sustainability and for the active involvement of WMG members, every WMG should have economical activities e.g. WMG own or collective IGAs should be operated.\

#### 2018 / 2019 Objectives

Plan is very much important to accomplish any activity effectively so, objectives of annual plan of BGP are given below:

- To enhance BGP achievements in the polder efficiently, effectively within timeframe.
- To identify cooperation & assistance of all concerned for the development of Polder.
- To establish good relationship & coordination with UP, DAE, DLS, DoF and BWDB.

## 3.19.1 Annual Work Plan of Polder 55/2C with timeline

S.N	Task Name	Target	2018						2019					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A.</b>	<b>Organization and Water Management/OWM</b>													
1	Polder wise WMA Registration	2	x	x										
2	Catchment level O&M sub-committee formation	7				x	x							
3	Organise Collective Action in WMGs	16 WMGs	x	x			x	x	x	x	x	x		
4	Promote and implement identified new CAs with WMGs	5 WMGs					x	x	x	x	x			
5	Continue assisting WMGs to improve performance	16	x	x	x	x	x	x	x	x	x	x	x	x
6	Collect/create O&M Fund in WMGS	Tk. 64,000	x	x	x	x	x	x	x	x	x	x	x	x
7	O&M Agreement between WMA and BWDB	2												x
8	Organizational Management (OM) Training for WMG	1 batch					x	x						
10	Gate Operation training for gatekeepers (Practical)	1 batch							x	x				
11	O&M Plan preparation in WMGs	16 WMGs					x	x					x	x
12	Catchment level Water Management and O&M Plan preparation and Implementation	16 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
13	Inclusion of WMGs members in the UP-Standing Committee	160	x	x	x	x	x	x	x	x	x	x	x	x
14	WMGs Action Plan (WAP) preparation and implementation	16	x											x
15	WMGs Participatory monitoring (PME session conduction)	64			x			x			x			x
16	WMG's Annual General Meeting (AGM) and WAP approve	16	x											x
17	WMG Monthly meeting	192	x	x	x	x	x	x	x	x	x	x	x	x
18	Saving Collection in WMGs	Tk. 64,000	x	x	x	x	x	x	x	x	x	x	x	x
19	Collective IGAs in WMGs	16 WMGs	x	x			x	x	x	x	x	x		x

20	International Woman's day observation by WMA level	1											X		
22	Polder Coordination Meeting	12	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>B</b>	<b>Infrastructure Development</b>														
1	Re-sectioning of embankment	2.6km									X	X	X		
2	Re-excavation of Khals	18km								X	X	X	X		
3	Repair of sluice	4								X	X				
4	Construction of sluice	1								X	X	X	X	X	
5	Construction of Inlet	29								X	X	X	X	X	
<b>C.</b>	<b>Agriculture and Economic Development</b>														
1	BG-TA FFS follow-up facilitation	44	X	X	X	X	X	X	X	X	X	X	X	X	X
2	Backstopping Old FFS (networking support)	44	X	X	X	X	X	X	X	X	X	X	X	X	X
3	FFS formation and conduction	51	X	X	X	X	X	X	X	X	X	X	X	X	X
4	Field Farmers day observe	51						X				X			X
5	Baseline & end line survey in FFS	51				X			X			X			
6	Training/workshop for WMGs' representatives/RF on collective action, crop budget and linkage & networks	1 batch						X	X						
7	Training/workshop for WMGs' representatives on business planning and linkage & networks	1 batch							X	X					
8	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	1 batch					X								
9	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1 batch												X	X
10	Market visit of FFS members/RFs	1											X		
11	Linkage meeting/workshop/seminar with VC actors	1 batch										X			
12	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1 batch										X			

13	Trial on potential profitable cropping systems/ technologies followed by chance crop (CII)	4	x	x	x	x	x	x	x	x	x	x	x	x
14	Community led Fisheries (CLF)	2	x	x	x	x	x	x	x	x	x	x	x	x
<b>D. Environmental Sustainability and DRR</b>														
1	Day observation (NDPD, IDDR, etc.)	2					x					x		
<b>E. Organization Horizontal Learning</b>														
1	Identification of good practices	10	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	10	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing experience sharing events/visits (VC-2, gender-2, CAWM-2, WM-2)	8					x	x	x	x	x	x		
<b>F. Community Agriculture Water Management (CAWM)</b>														
1	Consultation meeting with WMG/Community	8											x	
2	Area/field selection finalization	3											x	
3	Facilitate & Assist CAWM activities	3	x	x	x	x	x	x	x	x	x	x	x	x
4	Water Management Infrastructures Development (cannel excavation, pipe installation, culvert construction etc.)	3							x	x	x	x		
5	FFD/Crop cutting events and reporting	3					x	x						



## 3.20 Polder 47/3

### Progress to end-June 2018

Polder 47/3 is a new phase Polder. The planned activities for FY 2017-18 under strengthening water management through partnership, agriculture and value chain activities, have been achieved successfully. About 2313 households are in this polder of which 1,710 households have been involved with Water Management Group (WMG) activities and mostly depend on agricultural activities. In the meantime, targeted 07 WMGs have been formed and 3 WMGs are registered with BWDB. All WMGs are capable to organize and conduct monthly meeting in each Month. They are being updating books and records by themselves but still they need some back stopping from Blue Gold. 7 WMGs raised up O&M fund. 06 FFS were established and 07 FFS on going under 11 Cycle by TA team & 9 FFS were established by DAE. Two workshops-one with WMO to promote collective action, Business planning & linkage with private sector and another linkage workshop between RF/CF/LF/FT & market actors have been done. 15% of WMG members are involved in an economic collective activity & 21% of WMG members have adopted poverty-targeted technologies. During the reporting period 3 WMGs took part in self-initiated O&M collective activities like embankment repairing, sluice maintenance, khal cleaning and construct cross dam in Khals as a part of water management. During the reporting period (2017-18) the great successes are one WMGs made a wooden gate & installed in Teghachia Outlet as their own initiative to store fresh water for irrigation during boro. This robi season 60 acres of land were brought under Boro cultivation. It may be mentioned that during boro season these lands were left fallow.

### Lessons learnt

- Polder dwellers adopted new technologies such as Income generation activity, Poultry rearing, Beef fattening, Fish culture, Homestead-vegetables, HYV rice cultivation, collective action, catchment level & internal water management through FFS, CII, CAWM, Horizontal learning & other activity;
- Most of the WMGs are collectively purchasing/selling agriculture inputs and also organize collective initiatives in some social issues;
- WMGs have been created good relationship with different actors which are helping them to get different services, inputs and information for their organization as well as economic development;
- Gradually increase Linkage between WMGs & UP, DAE, BWDB, ULO, UFO & Other NGOs.

## 3.20.1 Annual Work Plan of Polder 47/3 with timeline

S.N	Task Name	Target	2018						2019					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A.</b>	<b>Organization and Water Management/OWM</b>													
1	WMGs Executive Committee Election	1	x	x										
2	Polder wise WMA formation	1	x	x	x									
3	Polder wise WMA Registration	1			x									
4	Catchment level O&M sub-committee formation	7							x	x				
5	Organize Collective Action in WMGs	8 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
6	Promote and implement identified new CAs with WMGs	8 WMGs	x	x				x	x	x	x	x		
7	Continue assisting WMGs to improve performance	8 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
8	Collect/create O&M Fund in WMGS	30000 tk.	x	x	x	x	x	x	x	x	x	x	x	x
9	O&M Plan preparation in WMGs	8 WMGs							x	x	x			
10	Catchment level Water Management and O&M Plan preparation and Implementation	7 Catch.										x	x	x
11	Inclusion of WMGs members in the UP-Standing Committee	15	x	x	x	x	x	x	x	x	x	x	x	x
12	WMGs Action Plan (WAP) preparation and implementation	8 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
13	WMGs Participatory monitoring (PME session conduction)	1 Batches			x									
14	Formation of WMA Monitoring committee for LCS work	1 no.								x				
15	WMG Monthly meeting	8 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
16	Saving Collection in WMGs	1,00,000 tk.	x	x	x	x	x	x	x	x	x	x	x	x
17	Individual IGA in WMGs Level	4 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
18	Collective IGAs in WMGs	50,000 tk.	x	x	x	x	x	x	x	x	x	x	x	x

19	International Woman's day observation by WMA level	1 no.										x			
20	Polder Coordination Meeting	12 no.	x	x	x	x	x	x	x	x	x	x	x	x	x
21	WMG's Special General Meeting and WAP approve	8 WMGs	x	x											
<b>B. Infrastructure Development</b>															
1	Re-excavation of Khals	9.360 km										x	x	x	
2	Repair of sluice	7 no.								x	x	x	x	x	x
3	Repair of outlet	2 no.								x	x	x	x	x	x
4	Repair of inlet	3 no.								x	x	x	x	x	x
<b>C. Agriculture and Economic Development</b>															
1	BG-TA FFS follow-up facilitation	14	x	x	x	x	x	x	x	x	x	x	x	x	x
2	Backstopping Old FFS (networking support)	6	x	x	x	x	x	x	x	x	x	x	x	x	x
3	FFS formation and conduction	14	x	x	x	x	x	x	x	x	x	x	x	x	x
4	Field Farmers day observe	14		X		X	x						X		
5	Baseline & end line survey in FFS	14		X		X	X						X		
6	Training/workshop for WMGs' representatives/RF on collective action, crop budget and linkage & networks	1					X	X							
7	Training/workshop for WMGs' representatives on business planning and linkage & networks	1				X				X	X	X			
8	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	1		X						X					
9	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1				X	X								
10	GL+CF+RF+PF+FT & Market actors linkage workshop	1			X						X				
11	Market visit of FFS members/RFs	1											X		
12	Training on post-harvest handling and management for RF	1					X					X			
13	Develop Seed producers and providers at local level/polder/WMG's member	2 Person	X	X	X	X	X	X	X	X	X	X	X		

14	Linkage meeting/workshop/seminar with VC actors	1												X	X
15	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	0													
16	Refreshers Training for Input providers	3 Person					X								
17	Trial on potential profitable cropping systems/ technologies followed by chance crop (CII)	2	X	X	X	X	X	X	X	X	X	X	X	X	X
18	Community led Fisheries (CLF)	2	X	X	X	X	X	X	x	x	x	X	X	X	X
19	Private Co. support for WMGs	2 WMG	X	X			X	X	X	X					
<b>D. Environmental Sustainability and DRR</b>															
1	Day observation (NDPD, IDDR, etc.)	2					x						x		
<b>E. Organization Horizontal Learning</b>															
1	Identification of good practices	5	x	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	4	x	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing experience sharing events/visits (CAWM-1, mkt. & gender-1, O&M-1)	3							x	x	x			x	x
<b>F. Community Agriculture Water Management (CAWM)</b>															
1	Consultation meeting with WMG/Community	2 no.										x			
2	Area/field selection finalization	2 no.													
3	Facilitate & Assist CAWM activities	2 no.	x	x	x	x							x		
4	Water Management Infrastructures Development (Field survey, Design, Costing, cannel excavation, pipe installation, culvert construction etc.)	2 no.						x	x	x	x	x	x	x	
5	FFD/Crop cutting events and reporting	2 no.						x	x						

### 3.21 Polder 47/4

#### Progress to end-June 2018

About 7,453 households are in this polder of which 4,910 households have been involved with Water Management Group (WMG) activities and mostly depend on agricultural activities. In the meantime, targeted 18 WMGs have been formed and 11 WMGs are registered with BWDB. All WMGs are capable to organize and conduct monthly meeting in each Month. They are being updating books and records by themselves but still they need some back stopping from Blue Gold. 18 WMGs raised up O&M fund. 18 FFS were established and 20 FFS on going under 11 Cycle by TA team & 15 FFS were established by DAE. Two workshops-one with WMO to promote collective action, Business planning & linkage with private sector and another linkage workshop between RF/CF/LF/FT & market actors have been done. 17% of WMG members are involved in an economic collective activity & 28% of WMG members have adopted poverty-targeted technologies. During the reporting period 10 WMGs took part in self-initiated collective activities like embankment repairing, sluice maintenance, khal cleaning and construct cross dam in Khals as a part of water management. During the reporting period (2017-18) the great successes are 8 WMGs made cross dam in the khal as their own initiative to store fresh water for irrigation during boro. This robi season 700 acres of land were brought under Boro cultivation. It may be mentioned that during boro season these lands were left fallow. Another success in polder 47/4 thirty-six (36) vaccination camps were organized among eighteen (18) WMGs jointly by Upazila Life Stock department, WMGs, Union Parishad and Blue Gold in February-March`18. 7110 nos. of cow, 2890 nos. goats, 4250 nos. of hens and 2990 nos. of ducks were given vaccine through those camps.

#### Lessons learnt

- Polder dwellers adopted new income generation activity, Poultry rearing, Beef fattening, Fish culture, Homestead-vegetables, HYV rice cultivation, collective action, catchment level & internal water management through FFS, CII, CAWM, Horizontal learning & other activity;
- Most of the WMGs are collectively purchasing/selling agriculture inputs and also organize collective initiatives in some social issues;
- WMGs have been created good relationship with different actors which are helping them to get different services, inputs and information for their organization as well as economic development;
- Gradually increase Linkage between WMGs & UP, DAE, BWDB, ULO, UFO & Other NGOs.

#### 2018 / 2019 Objectives

- Establish a functional WMA and improve performance of the WMGs;
- Include members of WMGs in UP standing committee;
- Improve drainage capacity by re-excavation of canal, repairing of sluice and re-sectioning of embankment.
- Disseminate improve technology (about fish culture, beef fattening, poultry rearing, vegetable production & Nutrition) through FFS and trail setup.
- Promote collective action, business planning and Linkage with private sector;
- Linkage establishment among RF, CF, LF, FT and market actors;
- Scaling up CAWM and community initiatives/good practices through Horizontal Learning.

## Blue Gold Program



- Establish strong relations with UPs, WMGs, BWDB, DAE, DoF & DLS officials.
- For environmental sustainability and DRR, develop capacity of environmental & DRR councilors and UDMC
- Develop Gender and Leadership of WMG members.

## 3.21.1 Annual Work Plan of Polder 47/4 with timeline

S.N	Task Name	Target	2018						2019					
			July	Aug	Sep t	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Ma y	Jun e
<b>A.</b>	<b>Organization and Water Management/OWM</b>													
1	Polder wise WMA formation	1	x	x										
2	Polder wise WMA Registration	1		x										
3	Catchment level O&M sub-committee formation	26							x	x				
4	Organize Collective Action in WMGs	25	x	x	x	x	x	x	x	x	x	x	x	x
5	Promote and implement identified new CAs with WMGs	18 WMGs	x	x				x	x	x	x	x		
6	Continue assisting WMGs to improve performance	18	x	x	x	x	x	x	x	x	x	x	x	x
7	Collect/create O&M Fund in WMGS	1,00,000	x	x	x	x	x	x	x	x	x	x	x	x
8	O&M Plan preparation in WMGs	18 WMGs							x	x	x			
9	Catchment level Water Management and O&M Plan preparation and Implementation	26 Catchment										x	x	x
10	Inclusion of WMGs members in the UP-Standing Committee	30 Members	x	x	x	x	x	x	x	x	x	x	x	x
11	WMGs Action Plan (WAP) preparation and implementation	18 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
12	WMGs Participatory monitoring (PME session conduction)	2 Batches			x									
13	WMG's Annual General Meeting (AGM) and WAP approve	0												
14	Formation of WMA Monitoring committee for LCS work	1								x				
15	WMG Monthly meeting	18 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
16	Saving Collection in WMGs	4,00,000 tk.	x	x	x	x	x	x	x	x	x	x	x	x
17	Individual IGA in WMGs Level	8 WMGs	x	x	x	x	x	x	x	x	x	x	x	x

18	Collective IGAs in WMGs	2,00,000 tk.	x	x	x	x	x	x	x	x	x	x	x	x
19	International Woman's day observation by WMA level	1									x			
20	Polder Coordination Meeting	12 no.	x	x	x	x	x	x	x	x	x	x	x	x
21	WMG's Special General Meeting and WAP approve	18 WMGs	x	x										
<b>B. Infrastructure Development</b>														
1	Retired embankment	0.500 Km									x	x		
2	Re-excavation of Khals	17.475 km								x	x	x		
3	Repair of sluice	23 no.							x	x	x	x	x	x
4	Repair of inlet	1 no.							x	x				
5	Construction of sluice	2 no.							x	x	x	x	x	x
6	Construction of outlet	1 no.							x	x	x	x	x	x
7	Water Management Culvert Construction	1							x	x	x	x	x	x
<b>C Agriculture and Economic Development</b>														
1	BG-TA FFS follow-up facilitation	40	x	x	x	x	x	x	x	x	x	x	x	x
2	Backstopping Old FFS (networking support)	18	x	x	x	x	x	x	x	x	x	x	x	x
3	FFS formation and conduction	40	x	x	x	x	x	x	x	x	x	x	x	x
4	Field Farmers day observe	40		X		X	x					X		
5	Baseline & end line survey in FFS	40		X		X	X					X		
6	Training/workshop for WMGs' representatives/RF on collective action, crop budget and linkage & networks	2					X	X						
7	Training/workshop for WMGs' representatives on business planning and linkage & networks	4				X			X	X	X			
8	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	2		X					X					



9	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	2				X	X							
10	GL+CF+RF+PF+FT & Market actors linkage workshop	2			X					X				
11	Market visit of FFS members/RFs	1										X		
12	Training on post-harvest handling and management for RF	2					X				X			
13	Develop Seed producers and providers at local level	5 Person	X	X	X	X	X	X	X	X	X	X	X	
14	Linkage meeting/workshop/seminar with VC actors	2											X	X
15	Refreshers Training for Input providers	8 Person					X							
16	Trial on potential profitable cropping systems/ technologies followed by chance crop (CII)	5	X	X	X	X	X	X	X	X	X	X	X	X
17	Community led Fisheries (CLF)	8	x	x	x	x	x	x	x	x	x	x	x	x
18	Private Co. support for WMGs	9 WMG	X	X			X	X	X	X				
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Day observation (NDPD, IDDR, etc.)	2					x					x		
<b>F.</b>	<b>Organization Horizontal Learning</b>													
1	Identification of good practices	6	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	6	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing experience sharing events/visits (CAWM-2, Mkt, dev.-1, Gender-1, O&M-1)	5							x	x	x			x
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>													
1	Consultation meeting with WMG/Community	4 no.									x			
2	Area/field selection finalization	4 no.												
3	Facilitate & Assist CAWM activities	4 no.	x	x	x	x						x		
4	Water Management Infrastructures Development (Field survey, Design, Costing, channel excavation, pipe installation, culvert construction etc.)	4 no.						x	x	x	x	x	x	x
5	FFD/Crop cutting events and reporting	4 no.						x	x					

# Annex E: Maximising the impact of Blue Gold Program Extension Methodologies Strategic Action Plan

## 1 Background

This strategic action plan has been prepared by a cross-disciplinary group of the TA team, a number of whom had been closely involved with the joint led by Agro-Insight and which resulted in the publication of Agro-Insight's report "Communication interventions and extension methods: a study of sharing information with farmers" (March 2018). This action plan has been prepared by a team that is familiar with the Blue Gold area and what extension methodologies have worked successfully, and who also benefited from a joint analysis of these extension methodologies alongside the Agro-Insight extension specialists. This report contains their recommended strategic action plan.

## 2 Interactive Popular Theatre (IPT/Natok)

BGP has earlier commissioned folk drama/interactive popular theatre (*natok*) to introduce the concept of participatory water management to communities, especially when entering a new polder. *Natoks* are often used to spark community initiative about a complex topic (e.g. water is managed only for the benefit of few) and are powerful in engaging large audiences.

The target audience for future BGP TA-financed *natoks* consists of present and potential community leaders and of the citizens that potentially would support them to improve local water management conditions. Leadership includes local government, informal leaders and leadership of existing water management groups.

The generic objective for the use of *natoks* is to enable communities to take initiatives (aided or unaided) to tackle a major water management issue. For BGP, the issue of maintenance – with the associated problems of how to mobilise resources, how to ensure continuity and how to distribute responsibilities – is a very relevant larger issue, on which local initiative could benefit from the use of *natoks*. Messages on increasing agricultural production, marketing and collective actions are also added in *natoks*, but should not deviate attention from the key issue.

### 2.1 **Actions**

- (a) **Actions Script concept** – We propose to announce an internal competition for the best script idea for a folk drama about operation and maintenance of water infrastructure. For the evaluation, a jury will be formed combining BGP seniors and senior artists. A modest prize to be given to the best idea(s);
- (b) **Script development** – Based on ideas from the combining good ideas from various entries a story concept will be developed around the issue of maintenance and operation along with a list of key messages that will need to emerge from the drama.
- (c) **Prepare and conduct drama** – The script will be finalised with folk drama companies, who will adapt the messages to a dramatic setting. Contracts will be such that the engagement can be discontinued if the results are poor. The drama will be shown at several locations in each of the 22 polders;

## 3 Video preparation and screening

BGP prepared several videos and has a modest library of videos related to water management and crop production. The two relevant types are:

- Inspirational videos that emphasise the impact of novel actions prepare the target audience for further discussion about taking collective actions. Such video testimonials prepare the ground for follow-up meetings of a more technical nature. They inspire, rather than explain!
- Technical instruction videos (on proper operation of sluice gate, oiling/greasing, tightening of nuts and bolts, production and preservation of seeds) are to provide guidance, for example, to maintain water management infrastructure or to produce quality seeds for local sale.

Inspirational videos are aimed to encourage existing and potential WMG members and community leaders to invest time and resources in new activities (e.g. CAWM, collective marketing, etc.). Technical instructional videos provide sluice gate operators, sluice catchment O&M committee members, FFS members/advanced farmers with technical guidance for better results. Typical instruction videos could be used to complement FFS or O&M training sessions. Videos are by themselves less effective than direct contact between peers (horizontal learning) or with instructors (FFS) or engineers (O&M training). Mobile phone version of these typical instruction videos might guide relevant target group members at site even after long time.

### 3.1 Actions

- (a) Selection of topics** – Water Management and Agriculture Professionals will propose the topics for video preparation with steps and process.
- (b) Script development** – Based on the proposed topics and the type of video required (inspirational / instructive) a systematic step by step description (Script) will be prepared following the requirement.
- (c) Preparation and Screening of videos** - The script will be finalized with respective professionals, prepare videos and screens at relevant sites. Prepare Mobile phone version and provide to the CDFs, FTs, gate operators, RFs, RPs to use it as practical handbook/home tutor in absence of trainer.
- (d) Timing** - Video productions will be concentrated in the period up to end 2018, to ensure that videos are available for at least a one-and-a-half year period. A modest number will be produced: 5 inspirational and 2 instructional. Based on the performance of WMG and BGP's interest the number of video productions can be increase.

All videos (inspirational and technical instructional) can be loaded onto smart projectors, which are compact and easy to take to the field and also can include a version in 3gp format, which can be loaded onto the mobile phones of local people. This will be a permanent resource, left in the community, which WMO members can watch again and share with others.

## 4 Horizontal Learning (HL)

Horizontal Learning is a result based peer to peer learning process towards scaling up of good practices, innovative activities, new technologies towards capacity and confidence building of the peers. In Blue Gold initiated by BGP TA led by WMOs and supported by BWDB, DAE, DoF, DLS, LGIs and others. It created a win-win situation and a sense of positive competition among the participating WMOs and UPs. BGP Horizontal Learning Process may be defined as “outcome-based structured/adaptive learning process that assists WMOs to identify, learn and replicate good practices from their peers to meet their needs considering their own ability, resources and situation with technical assistance BWDB, DAE, DoF, DLS, LGIs, peers and BGP”. Horizontal Learning is also a powerful motivational tool.

Target audiences of Horizontal learning are the WMO members and farmers. Field staff of BWDB, DAE, CDF, UP, FT, RF, CRP who are motivating and supporting the WMOs for their capacity building and scaling-up of good practices may benefit indirectly from their involvement. The objective of Horizontal Learning is to scale-up good practices, innovations, achievements, results emerged through BGP interventions in the polders as well as capacity and confidence building of the WMO members and farmers towards sustainability of participatory water management, agriculture production and market development.

#### 4.1 Actions

- (a) **Identification of good practices** – Polder team jointly with WMGs will identify good practices, innovative activities, success, achievements, results and new technologies emerged through BGP interventions in the polders to share with other WMGs. We aim to record more than a hundred good practices before June 2019.
- (b) **Preparation of Fact sheets** – Polder and Zonal team will develop Fact Sheets on the identified good practices, innovative activities, success, achievements, results, new technologies with short description of context, facts, initiators, indicators, strength, challenges and contact mobile number of the respective WMG representatives and individual (in case of individual initiative) as a visible documentation of the results and to inspire the WMGs, farmers and others. Around 100 Fact Sheets may be developed and published in two phases (October 2018 and June 2019). BGP central team will support for editing, compilation and publication of Fact Sheets and zonal and polder team will facilitate and support for sharing the Fact sheets among the WMG members/farmers to inspire them towards replication of good practices to meet their needs.
- (c) **Organize experience-sharing visits** – BGP (Zone and Polder team) including BWDB, DAE will support WMGs to organize experience-sharing visits for the interested/inspired WMG members and farmers to the place of good practices to learn from the host WMG members and farmers through direct interaction and practical field observation to facilitate replication of their selected good practices to meet their needs according and ability in their own areas. Motivated and committed WMG members, farmers will prepare a draft replication plan as part of the experience sharing visit. Polder team will also facilitate WMGs to organize informal experience sharing visits, which are fully managed by WMGs and without project support.
- (d) **Follow-up and provide technical support for replication** – Polder team will maintain contact with the committed WMG members and farmers, make follow-up and facilitate technical support towards replication of selected good practices.
- (e) **Experience-sharing workshop** – BGP will support experience-sharing workshops to exchange innovations/ new technologies/results/successes among WMOs, private sectors, projects, development partners etc. Such workshops may be organized at least 2 each at Khulna and Patuakhali and 1 at Satkhira each year.
- (f) **Networking workshop** – BGP will support to organize network workshop/meeting among the WMOs, LGI, service providers and private sectors towards establishing direct connection among them and reduce dependency on project or any particular stakeholder. Such workshops may be organized at least 2 each at Khulna and Patuakhali and 1 at Satkhira each year.

These actions are not limited to any particular type of activities – which could include water management, OM, agriculture production and market development (CII, CLF), CAWM, gender, linkage and partnership development, collective actions, IGA etc.

#### 5 Printed Materials, Signboards, Notice Boards, Information Boards

Signboards can prove to be the best tools to communicate to the people information about BGP activities - what the program is about with information on what is to be expected. The target audience is polder communities both WMG members and non-members, with the aim of improving our visibility and to provide our target community with essential information about BGP activities.

Good signboard can help us in a number of different ways, including:

- **Branding and visibility.** Prominent, eye-catching signage exposes our activities to people who over time may become WMG members and helps us build a strong brand.

- **Differentiation.** In the polder community many other program or organization are implementing their activities. Our signage can help to differentiate us from the other organization. The more distinctive our signage, the more our program will stand out in the eyes of our potential stakeholders and as long as our signage reinforces our unique point of difference, it can act as a virtual representative 24 hours a day, seven days a week.
- **Functionality:** As well as having a promotional purpose, our signage also has a functional role to play in helping direct people to our activities. This can help us raise awareness of our different activities and improve our target people experience.
- **Signage is a cheap communication strategy:** While there may be an initial outlay, once our signage has been created there are no further costs unlike many other forms of communicating that require on-going maintenance and updating. When we consider the number of people our signage will reach compared with other types of communicating tools.
- **How about signs at sluices, stipulating proper usage.** That's a very 'functionality-oriented' sign and very useful. Same for signboards at LCS sites that disclose the contract conditions. These two must come back in our mix – although they should not bear our logo!

## 5.1 Actions

- Concept of development:** Based on the activities the information for signage will come from sector specialist of BGP. They will select core message, target audience and place.
- Shape and size:** All signage on different purpose will in same direction like the shape, size, colour, position of logo, writing font etc. for BGP area.
- Materials:** Considering durable the signage can be prepared by metal sheet and metal angle/bar. But we can use PVC with wooden frame.
- Placement:** Placement is an important consideration for setting up the signboard, opinion of polder coordinators will be preferred regarding this.

## 6 Demonstrations

Demonstration is one of the most effective weapons to disseminate different agricultural technologies to the neighbouring farmers. There are two types of demonstrations; one is method and the other is result demonstration.

Result demonstrations show what happens as a result of using a particular technology in the field or homestead. Examples include growing transplanted Aman rice using balanced dose of fertilizer, using Integrated Pest Management in rice during a season, or demonstrating a new cropping pattern. Result demonstrations can be conducted over a single season, two seasons or a whole year. Although some result demonstrations conducted with groups. Those which are conducted with individuals are only really effective when combined with group extension events at the demonstration sites.

BGP encourages the use of a range of different types of result demonstrations, depending on local conditions, local farmer problems, and the technologies which have been identified in response to farmer needs. The different types of result demonstrations, BG follows, include: single season demonstrations (e.g. mung bean, sunflower), single intervention demonstrations (varietal demonstration, fertilizer demonstrations), cropping pattern demonstrations (e.g. CII), block demonstrations (CAWM), package demonstrations (e.g. Water melon initiative digging mini ponds), etc. Method demonstrations are group extension events conducted over one to two hours to demonstrate and practice a specific skill, step by step. Method demonstrations are low cost and relatively efficient as they involve one extension worker and several farmers. They are participatory and enable farmers to learn (e.g. grafting method for tree multiplication)

First, the demonstration must produce results that are visible and significant enough to convince farmers to try the new practice themselves. If the practice is, for instance, not fully tested before hand under local conditions, the demonstration runs a high risk of failure. Second, the innovation has to satisfy the farmer's own criteria in terms of the other risks associated with it. That is, it must promise an immediate return, fall within the farmer's financial means, and suit prevailing cultural patterns. Third, the

demonstration should not be implemented by an extension agent i.e. SAAO/CDFs. Farmers would be more impressed by results obtained by their peers than done by an extension agent/expert. Fourth, the farmer on whose land a result demonstration is conducted cannot be extremely wealthy or progressive; nor should the plots receive an undue amount of attention and care. The idea of the demonstration is to show a group of farmers (WMG members) what results can be obtained by normal farmers under normal conditions. Hence, the choice of demonstration farmer needs to be made with care, the site should be typical of surrounding lands and the crop itself must be managed at a realistic level. Any other arrangement will undermine the demonstration's effectiveness.

In setting up a result demo with a cooperating farmer, it is important to establish who is responsible for the labor involved in maintaining plots and who will provide necessary inputs. In order to make the demo credible, the farmer must do most of the actual work. Inputs are a stickier problem; ideally, the demonstration farmer should provide inputs from his/her own. But there are some instances where BGP needs to provide small amount inputs as a courtesy for a farmer's cooperation and learning to practice. Before deciding on that two questions need to be addressed; will a gift of inputs have a negative effect on the BGP-farmer relationship? How will other farmers perceive such a gift? Whatever the choice, arrangements must be made explicit at the outset.

Target audience of demonstration is FFS members and relevant farmers of the community.

Objective of demonstration is dissemination of methods and results of relevant technologies

## 6.1 Actions

- (a) **Actions Selection of demonstrable Issue/technology:** Blue Gold Program is working for the livelihood improvement i.e. economic development of the polder dwellers. So, the demo issue should be a new crop having yield potentiality with feasibility to grow in the local condition or be a Collective Action (CA) to improve intra-catchment water management for improve agriculture or be on method of cultivation like line sowing of mung bean etc. However, issue of demonstration should be selected first.
- (b) **Location & layout of demonstration plot:** The next set of practical considerations in setting up a demonstration focus on the plot are; its location, layout and size. A conspicuous or readily noticeable site is crucial in attracting maximum attention. Locations near roads or footpaths or on the immediate outskirts of a village are ideal. Visibility is the key factor in plot layout. When viewing from the most prominent vantage point, from a road, for example, the traditional and improved plots should be side by side rather than front and back. Signboards can be erected to attract further attention and provide explanations of the demonstration. (Note that signboards need to meet the visual literacy levels of a majority of the farmers observing the demonstration).
- (c) **Size of demo plot:** The size of the plot may be influenced by several factors; the labor constraints of the demo farmer and the amount of land he/she has available, the size of the group that will eventually observe the formal presentation of results, the type of crop, and the overall impression the demonstration is intended to create. In general, the plot should be large enough to be impressive without being too large to take in both parts of the demonstration with a single glance. Rough estimates suggest that two hundred square meters would be enough for an effective demo of field crops, with less area required for demonstrations with vegetables and for homestead activities. And if the demo issue is water management related, then it would be the entire Beel/similar crop fields. (Note: WMG leaders/management committee will be involved in the plots and farmers selection process)
- (d) **Setting demonstration:** Before setting demo i.e. planting/sowing crops, we must have a check list on activities to be performed during whole cropping season including fertilizers, weeding, pesticides, water management and other intercultural operations. Standard procedure must be followed in the demo plots to have the maximum results and all



activities should be performed by farmers themselves with the presence of SAAO/CDFs/facilitators.

- (e) **Organize field day:** Fix a date and time 2 to 3 days prior to harvesting the crop for organizing a Field Day to show the results and impact of that particular crop yield as well as total cropping system. Invite adjacent potential & influential farmers, farmer leaders and local elites including officials from DAE/related organizations. Advantages of Field Day before harvesting are a) Participants will have scope to observe performance of standing crop, b) They will have scope to attend crop-cutting event & ultimately can be observed the yield performance. Only the participatory farmers will talk on process and result from his experience on the demo. Other than crop, the field day should be organized at a time when neighbouring farmers can see/find maximum benefit of the demonstration e.g. field day on beef fattening before taking that to market.

## 7 **Farmers Field Schools (FFSs)**

Farmer Field Schools (FFSs) are a group-based learning process that has been used by government, NGOs and international agencies to promote Agricultural Production Technologies. FFS approach led to a deeper understanding of the problem and its causes. It was recognized that sustainable agricultural development required more than just the acquisition of ecological knowledge by individual farmers. It also required the development of a capability for generating, adapting and extending this knowledge within farming communities. The weakness of this capability in most farming communities is itself an important problem; one which has often been exacerbated by earlier agricultural development programs that fostered a dependency on external sources of expertise. In Blue Gold Program, we have been using this extension tool for extending and transferring different production technologies to the community people (WMGs) involving local farmers called FTs. Around 300 FFS may be organized in the coming two years. Modified FFS will be helpful to increase coverage of more farmers than the previous form of FFS.

Modified FFS Cycle 11-

- From cycle 11, FFS will be demand driven, targeted to poor people. Polder teams are placing demand.
- Unlike earlier where FFS schools were implemented either on 'Homestead production-Poultry-Nutrition module' or 'Fish-Beef Fattening-Nutrition module', now on it will be on specific Commodity module FFS, e.g. Poultry FFS, Fish FFS, Beef Fattening FFS, Vegetable FFS, Fruit FFS, etc..
- In the new format, number of session per FFS has been reduced (e.g. earlier one cycle used to be 20 sessions now it will be around 8 sessions).
- Earlier CDFs used to run FFS. From this cycle FTs will be running FFS and CDFs and polder team will play supervising role. FT involvement is a step towards sustainability as they are local people.
- As a result, number of FFS increased per cycle and there will be more direct beneficiaries under FFS.

Target audience for FFSs is members and farmers of the community, and the objective is transfer of technology to the farmers for increased production and profitability.

### 7.1 **Actions**

- (a) **Actions Farmers & technology selection:** As working principle of BGP is WMG based, WMG is asked for selecting farmers of its area who are interested to learn about a particular production technology. A final list of FFS participants from 25 households on a particular technology is prepared through a process with the active involvement of WMG.
- (b) **FFS member finalization:** CDFs visit each of the enlisted farmer's household to check whether it has been done as per FFS farmer selection criteria or not. If some farmers are

not listed properly, CDFs will inform WMG to make-up the gaps (to change farmer as per selection criteria) and after finalization, WMG will provide the final list of FFS farmers to the CDF (BGP) by having a meeting with resolution. DAE is also encouraged to follow the same procedure.

- (c) **Materials & logistic collection:** For implementing FFS different types of materials and logistics are required; it is CDFs/SAAOs responsibilities to collect all materials & logistics including module, curriculum, FFS registers & FFS note book from zonal office/UAO office prior starting the FFS sessions.
- (d) **Implementing FFS sessions:** FTs will run FFS sessions with close cooperation from CDFs/SAAOs. A FFS session schedule will be supplied to all CDFs/SAAOs from the concern expert. DAE also run FFS by the departmental trainers.

## 8 FFS Field Days (FFDs)

FFDs are events organized by the successful farmers to showcase their successes and share about effective processes, steps, challenges, mitigation options with other farmers and community for replication. Objectives of the FFS field day are multidimensional. We organize/establish Farmer Field Schools in a particular WMG area. A WMG might have about 200 to 350 households. But we can include members from only 25 households as FFS participants, which are really a very small portion of the total community. Target audience of FFD is farmers and wider community. So, extension of improved technology and results to the wider community through horizontal learning is one of the main objectives of the Field Day. Other objectives of the Field Day are given below:

- To exhibit confidence of the FFS participants cultivating field crops, vegetables, fruits, fishes, rearing poultry & livestock by using improved agricultural technologies
- To aware other farmers on optimum usages of homestead area and crop field
- To inform other farmers on activities of FFS performed
- To close FFS activities formally with certificate distribution among the FFS members.
- To arrange formal hand over of FFS activities to concern WMG along with a completion report

### 8.1 **Actions**

- (a) **Planning & designing of FFD:** After completion of FFS sessions a FFD is planned in consultation with all FFS members. Date, time and venue of FFD are finalized in consultation meeting. How much booths would be prepared and what would be the role of FFS members during FFD are clarified during planning. Different activities and responsibilities related to FFD are distributed among the FFS leaders. Besides these, every FFS member invite his/her neighbouring 3 farmers to join the FFD event.
- (b) **Logistics & materials collection:** Before FFD event, all logistics and materials e.g. booth preparing materials, prizes, certificate and closing report should be collected and or prepared. It is mainly responsibility of CDFs/SAAOs.
- (c) **FFD Organization:** Beyond community farmers, invite WMG leaders, UP Chairman & members, community leaders, zonal experts and line department personnel (DAE/DLS/DoF). Assign a vocal & well informed FFS member at each of the booths to explain the visitors on important technologies practiced at their FFS. Arrange a place to sit and share experiences of FFS and non-FFS members.

## 9 BGP Fair (mela)

A fair (*mela*) can be an effective way to create awareness about improved technologies to a large number of people within a short time and to stimulate general motivation for agricultural and rural development in the area. It can also play a valuable role in strengthening relationships between extension partners. Farmers are able to see a range of technologies and ideas displayed by non-government organizations, other government agencies and input suppliers and discuss them in a lively



and informal way. Using the concept of *mela*, Blue Gold Program organizes such exhibition called BGP *mela*. BGP *mela* is unique for its combination of technologies, presentations and showing WMG achievement & excellence. And through such fairs, the young generation as well as neighbouring farmers is getting opportunity to know about proper water management for agriculture, improve agriculture systems, market development & linkage development while the experienced WMG people (farmers) get the chance to show & share their achievements. DAE takes the lead to organize the *mela*. Target audience is farmers and community.

Objective of *mela* is demonstration of different improved technology, information and results towards extension of the results.

### 9.1 Actions

- (a) **Planning & designing of *mela*:** After having consent and budget from headquarter, DAE officials along with the Zonal TA Team jointly prepare a plan; deciding the physical layout of the venue, decoration of stalls, sending invitation, collection of exhibits, arrangements for demonstration of exhibits and technologies, publicity, opening and closing ceremonies and prizes. How much booth would be prepared, who would be invited to set a stall and what would be the role of particular expert members during *mela* event should be clear and responsibilities for different activities should also be distributed among the Experts based on their line of work. Media personnel are invited to cover the *mela* activities as well.
- (b) **Invitation to concern departments to join:** Concern department involved/linked with BGP are also invited to join the *mela* with their stalls. Different cultural programs are also organized at the *mela* venue to enhance *mela* amusements and learning.
- (c) **Logistics & materials collection:** Before *mela* event, all logistics and materials e.g. booth preparing materials, contract with Drama Team/cultural team, develop cultural program concept and contract with decorator for *mela* stall & cultural program stage preparation & decoration. It is mainly responsibility of Zonal Team/DAE depending on the budget line.
- (d) ***Mela* organization:** Beyond community farmers/WMG people, invite different govt. officials of Patuakhali/Khulna/Satkhira to expose the program/activities of Blue Gold. To disseminate information on *mela* event announcers move to the neighbouring areas and use loud speakers. To enhance the *mela* event, all concern of BGP including BWDB and EKN personnel will also be invited.

## 10 Cropping Intensity Increasing Initiative (CII)

Cropping Intensity Initiative (CII) is a way to improve crop production situation by effective use of water resources and community mobilization. Target audience of CII is the farmers and community. Objective of CII is increase in crop production and income growth through sharing experience, technology and results among the farmers in the community.

### 10.1 Actions

- (a) **Arrange Initial visit and learn about agricultural practice of farmers/WMG:** Polder team members should sit together and primarily identify the proposed CII pilot area by mentioning the WMG name. In the initial stage, CDFs will arrange visit to WMG as their regular task and discuss in group or individual farmer and will try to know about major cropping systems, type of crops, farmers practices in crop production, and water infrastructure condition (water drain out & irrigation facilities) of the proposed pilot area. This step will make a sense about the necessity to set up cropping intensity improvement trial in the pilot areas. This way, each CDF will submit the primary list to polder team and

they will recommend at least 3-5 WMG's name (depends on polder size) for CII activities after analytical discussion among the team members.

- (b) **Finalize criteria for select CII trial plot:** Polder team will select the potential WMG by properly following the bellow selection criteria and will submit report to zonal team. We must select single or double crops area but do not consider triple crops or high productive area.
- We must identify at least 3 to 5 acre land in a same field (in a boundary), where 5 to 12 farmers are involved (since it is mostly demonstration avoid plot more than 8 to 10 acres).
  - We will select those areas where there is scope of improving drainage facilities by doing light maintenance (make small field channel-that can be done by farmers in their own initiative if needed).
  - Must select those areas where farmers have been cultivating similar type of crops or are willing to adopt crop synchronization
  - Plot can be selected adjacent to canals so that there is scope of drainage and irrigation facilities when it is required.
  - *Gher* areas must be avoided where farmers practice rice-fish culture in the same field.
  - Pilot area should be selected considering one year, so that there is scope to set up CII trial for round the year.
  - BGP can only plan to setup 2-3 trials per polder but will not setup more than one trial in the same catchment area.
- (c) **Conduct FGD for identify adaptable cropping pattern:** Zonal expert (BDC, MT, Agricultural expert) will facilitate the FGD in those WMGs to assess the feasibility which will be finally selected by Polder team as CII pilot area. Through the FGD, expert team will try to understand existing crop production system and WRM related issues including: major production problems, usual cropping pattern (at least last 5 years), find out potential high value crops that can be promoted to as alternative cropping pattern, WRM related facilities, scope and conflict etc.
- (d) **Sharing with DAE and finalize the cropping pattern:** Zonal expert team will sit together with Upazila DAE experts as well as with other field researchers for final selection of high value crops. The expert team will find out and recommend at least 5 to 6 type of cropping pattern for the region, but in a same field shall limit to practice 1 or 2 cropping pattern (depends on field size and farmers interest).
- (e) **Budget preparations:** At this time, it is difficult to prepare estimated budget for CII pilot activities before setting the cropping pattern, because all kinds of seed money are not equal. After finalizing the cropping patterns as well as selection of crops, it will be easy to calculate the actual cost for each cycle of crop budget. But all should keep in mind that it is a low-cost intervention, BGP will only contribute the seed amount and in some cases light input, especially for chance crops (Chance crop is very challenging, so some light input support may be considered).

## 11 Community-Led Fisheries (CLF)

Community-Led Fisheries (CLF) is a concept where aquaculture is being conducted by the community people particularly the WMG members under Blue Gold Program. Last year BGP implemented this program at different canals and ponds. We will continue CLF with our last year experience. We will work only in canals. Target audience of CLF is WMG members those are interested in aquaculture. Objective of CLF is technology transfer to increase production of fish through community initiative.

## 11.1 Actions

- (a) **Planning & designing of CLF:** A guideline is prepared for taking the CLF initiative. After discussion with field, the TA expert makes a proposal and budget for the initiative approved by the Team Leader.
- (b) **Pre-implementation process:** First, Polder team will select the canals considering the interest of people living around the canal through discussion and site visit. Then Fisheries Expert/ Assistant Master Trainer (Fisheries) will observe the feasibility for aquaculture of the canal. If the canal is feasible socially and technically for aquaculture then a budget will be prepared by the WMG member according to Blue Gold guideline.
- (c) **WMG and farmers selection:** The terms and conditions to take CLF initiative are discussed with the preselected WMGs and finalize the list of WMG and their farmers involved in if the criteria are met.
- (d) **Materials & logistic collection:** Management / operational committee members will collect relevant materials for conducting the entire activities like remove the water hyacinth, fencing to control fish from escaping, sourcing quality fingerlings and other inputs with the assistance of polder team particularly responsible CDF. Assistant Master Trainer (Fisheries) and Fisheries Expert will guide time to time for quality input collection.
- (e) **Implementation of CLF:** Blue Gold will organize training program for Operational Committee Members for three days before starting field operation. Operational committee will also maintain record book properly to transparent the activities to other shareholding members. The responsible CDF will supervise and monitor the overall activities through consultation with Assistant Master Trainer (Fisheries) and Fisheries Expert. Local DoF and Zone Team members will also provide technical and social mobilization support when necessary.

## 12 Community-led Agriculture Water Management (CAWM)

A manner to establish resilient, productive and diverse cropping systems and to sustainably improve water governance and equity in water use' by providing an adaptive and horizontal learning approach to WMOs on technical and agronomic issues and promoting a participatory water management approach at catchment level.

Main ingredients of CAWM

- Sustainable Internal Polder Water Management (IPWM) by sluice catchment level water management
- Intensive technical and agronomic guidance to WMG members via DAE-led CAWM-FFS sessions.
- Coaching WMG members to initiate collective action, develop marketing strategies and linkages with LGIs and other relevant actors.
- Co-funding by relevant stakeholders of agri-inputs and small-scale water management infrastructure benefitting WMOs.

Target audience of CAWM are catchment farmers and WMG/WMA.

Objective of CAWM is to improve internal water management towards production and income through community initiative.

## 12.1 Actions

- (a) Selection of CAWM up-scaling areas based on the selection criteria by combined teams of Zonal BGP TA staff, BWDB and DAE field staff, WMAs, WMGs and LGI representatives.
- (b) BGP TA team and DAE will jointly organize SAAOs and FTs training for CAWM up-scaling areas, particularly for CAWM up-scaling new Polders to familiarize of CAWM concepts, objectives and activities.
- (c) BGP TA team with support of DAE/BWDB will organise Planning Workshop on CAWM Aman and Rabi crop and water management for WMG/CAWM catchment farmers.
- (d) Polder/Zonal Team support to DAE-led year-round CAWM FFSs, the FFSs will start in June 2018 aims to provide intensive technical and agronomic guidance on crop synchronisation, improved varieties management, new crop technologies and on-farm and catchment water management. The FFS integrates market orientation, aimed at farmer decision making, production and sales planning and strengthening group bargaining power, etc.
- (e) Polder Team and CAWM Drainage/Water Management Engineer will finalise planning, design and implementation of small-scale WM infrastructure for CAWM up-scaling areas,
- (f) Zonal-Polder team to be encouraging collective action among CAWM farmers/WMGs for create financial sustainability of WM infrastructure is actively promote through the establishment linkages with UPs, BWDB and DAE group support.
- (g) Zonal/ Polder Team will arrange UP orientation sessions for address IPWM and number of WMGs are manage to get co-funding for small-scale infra through their UP.
- (h) Polder Team will organize experience sharing/horizontal learning visits, farmer field days and crop cutting festivals on CAWM where attend nearby WMGs and polder to polder WMGs/farmers/UP members for replication of CAWM concept, objective and up-scaling process.
- (i) To be continuing monthly Zonal coordination meetings between SAAOs (DAE), SOs/XOs (BWDB) and TA team will facilitate for overcome problems (if any)/ monitor the progress of CAWM implementation in the catchments level.
- (j) Video demonstration on CAWM benefits will arrange in the polders level catchments for well recognize to replication of CAWM activities.
- (k) Networking/sharing workshops/meetings will be organized to disseminate achievements/successes and good practices and establishing partnership among WMGs, farmers, service providers, Government departments, private sectors, LGIs and development partners.

Approximately 100 more CAWM initiatives may be implemented with joint funding by the project and community during next two years. In addition, a good number of similar (CAWM) initiatives will be implemented by the WMG and farmers without project support as replication of learning from CAWM through Horizontal Learning.

Signboards and Notice board will be installed at sites of CAWM catchment as part of information dissemination to the localities on CAWM.