



**Bangladesh Water  
Development Board (BWDB)**



**Kingdom of the Netherlands**



**Department of  
Agricultural Extension  
(DAE)**



## **Annual Work Plan July 2019 to June 2020**



**Socioconsult Ltd.**  
for sustainable development



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# Annual Work Plan July 2019 to June 2020

Blue Gold Program

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## Issue and revision record

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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 Satkhira.

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

Following the Revised Project document (RDPP was approved by ECNEC dated 21<sup>st</sup> June 2018 and office order dated 16<sup>th</sup> July 2018) the Blue Gold Program covers 22 polders under Patuakhali, Barguna, Khulna and Satkhira districts. The rehabilitation will be done in all polders and 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/excavation of khals/canals, low cost protective works, breach closing and improvement of on-farm water management - construction of interior dykes, construction of culverts, construction of pump sheds and supply of drainage pipes.

During 2017-18 all 22 polders have been identified and selected with a gross area of about 119,124ha, which confirms to the recommendations of the MTR Mission 2015 and also by the Inter-Ministerial Review Committee, March 2016. Out of these 22 polders 15 of them are from IPSWAM, WAMIP, ECRRP etc. and remaining 7 polders are new which were not been taken up for any repair/rehabilitation in the recent past. However, Blue Gold Program has **categorized** these 22 polders under 3 phases (8 polders under Phase-I, 6 polders are under Phase-II and remaining 8 polders under Phase-III) based on the selection of polders, availability of WMGs, concentration and complexity of implementation of physical works.

## 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 it's 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 (GPWM)<sup>1</sup>. In a nut shell that means enabling and

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<sup>1</sup> 1 Government of the People's Republic of Bangladesh, Ministry of Water Resources, *Guidelines for Participatory Water Management*, Dhaka, 2000; 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) and Government of the People's Republic of Bangladesh, *Bangladesh Water Rules*, 2018, Circular 24 Srabon 1425 Bangla Year/8 August 2018 AD, published in Bangladesh Gazette, Additional Issue, August 16, 2018. 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)

facilitating participatory infrastructure planning (Water Management Organizations take a keener interest in 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, Upazila and District level) with reference to Bangladesh Water Rule 2018, 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.

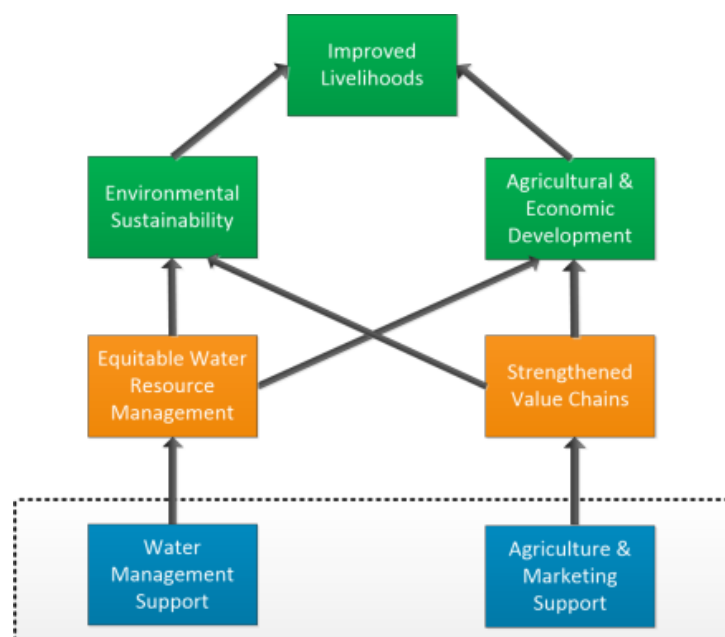


Figure 1: High-level Results Chain

## 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 emphasizes the water management, agriculture and market development nexus through integrated and unified approach. Hereafter the specific BGP objectives are summarized. 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 1, the Results Chain has 3 levels. The blue level is a summary of the activities that Blue Gold implements. These have been summarized 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, other relevant GoB line departments/agencies, LGIs (district, upazila, union), and WMOs at polder levels. This is also an initiative to link in between the hydrological boundary followed by BWDB and administrative boundary followed by all GoB line departments/agencies in the process of integrated effort for development in the polder areas.

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 3rd performance assessment, CDFs (polder level staff) are posted, promoted and remunerated in Blue Gold Program and a number CDF are discontinued following the phase out schedule, based on their status of performance. It may be noted that concentration of CDF has been reduced in phase -I and II polders while higher number of CDFs are continuing 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 experts and field staffs. Performance of 10 CDFs engaged under CWM were also assessed; 8 of them are engaged in old polders and 2 are in new polders. BGP management is pursuing CWM for their extended role in Blue Gold project activities. However, BGP plans for increased engagement of WMOs in all polders towards withdrawal of CDFs gradually from Phase I and II polders. Based on the maturity of WMOs, BGP plans to withdraw its CDFs from all polders of phase 1 and few polders of phase 2. A very few CDFs will continue in 2-3 polders of phase 2, while a plan is also there to engage reduced number of CDFs in new polders up to June 2020. Presently a total of 76 CDFs under TA is engaged in all polders and 10 CDFs under CWM are engaged mostly in phase 1 and 2 polders. Following our 2019-20 work plan, only 40 CDFs will continue during January to June 2020 while all CDFs under CWM will continue up to June 2020. However, following the engagement plan of all CDFs under TA and CWM will be revised in December 2019 and redistributed in January 2020 based on the phase out plan and practical situations in the polders.

During 2019-20 FY Blue Gold plans to continue the implementation of infrastructure development activities in 21 polders. In order to extend support in 21 polders, all engineering staffs in the field will continue up to

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

June, 2020. During the period of January to June 2020, the reduced number of BGP CDFs will continue for capacity development of the WMAs and hands on support to O&M activities of water management infrastructure, CA (collective actions), implementation of small infrastructure and HL (horizontal learning) in the Phase II and III polders.

With an especial emphasis, BGP is working on catchment level O&M planning engaging the WMGs and O&M sub-committees with the support from WMGs. Up to now catchment level O&M planning has completed in 11 polders and this effort will continue in all remaining polders during this year.

BGP Working Paper 5 'Theory of Change', May 2016 till September 2018 and will continue further for remaining 14 polders with a special focus to the new polders. Along with of O&M planning activities, through PCD, BGP is also engaged in expediting the registration of WMGs/WMAs. Up to now WMGs in all 22 polders are registered except 3 with the reason of court cases while the WMAs in 17 polders are registered and the WMAs for remaining polders are in progress. With the initiation of PCD polder level O&M agreement have already been signed for 12 polders in between the representatives of WMAs and XEN, BWDB with expectation to complete O&M agreements by end of September 2019 for remaining 10 polders. However, considering total progress and preparation, BGP plans to have the registration of all remaining WMAs by end of July and complete the signing of O&M agreement by end of this year.

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 and is being persuaded by the Zonal and Polder level staff members in field. BGP plans for continuing and scaling up some consolidated positive outcomes such as functional (self-sustained) WMGs, Community led water management for Agriculture (CAWM), Catchment level O&M planning, Horizontal learning and partnership, etc. during 2019-20.

Following the recommendation of ARM 2017 and 2018, BGP is also engaged in simplifying and updating 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. Realizing the experience, BGP commissioned a study on LCS activities to contribute in the process of revised guidelines. The preliminary findings were presented to the ARM 2018 and EKN. Draft report is submitted indicating a number of areas where attention is needed for consideration in revision of the present LCS guidelines for wider use in other projects in BWDB. However, the final report is expected and circulated during this calendar year.

However, the overall plan of BGP including the phasing out approach may need to be reviewed and adjusted based on the progress of physical works implementation as indicated in RDPP. In addition, completion of EIA studies for 10 polders are also an issue for land acquisition and implementation/ rehabilitation of physical infrastructure in 10 new polders under BGP. The Directorate of Planning III has initiated the EIA studies using their inhouse capacity along with one short term local consultant to address the compliances of EIA. Following the occurrence of EKN, logistical support is also being provided to the inhouse study team working under the guidance of PCD with a support from a local consulting firm engaged by BGP.

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

### 2.1 Water Resource Management

#### 2.1.1 Water Management Rehabilitation Work

##### Progress up to June 2019

The WRM team has done lot of works and substantial progress has been made this year but still not up to the expected level because of many reasons which includes effect of late approval of RDPP and subsequent works related with RDPP such as Design approval, estimate preparation, vetting, tendering, awarding etc. Inadequate Manpower and facilities in BWDB field and design offices was also a problem, which was mitigated by TA support and additional manpower support under crush program from the project including survey support as per recommendation of the Annual Review Mission.

As per recommendations of the Mid-term Review Mission during 2015-16 and Annual Review Mission 2016-17, the revised scope of work and additional fund provision have been made in the revised DPP, which was approved by the end of July 2018. But unfortunately, this is taking much longer time. The Annual Review Mission 2018, also recommended for continuation of additional manpower and survey support.

Many works which was planned for FY 2017-18 based on the proposed RDPP could not be done or initiated last financial year and those works shifted to FY 2018-19 including pre-construction activities. 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. As a result, almost maximum number of contracts awarded this financial and pending contract is a very few. It takes lots of the time to finalize the contract including pre-construction activities. Thus, the next financial year will be fully available for physical implementation of works from the beginning of the working seasons. In spite of all the challenges, in 2018-19 WRM team is expecting to achieve an overall progress of 56% of the planned new and carried over works, which might result in a total cumulative program physical progress of about 53% and financial progress of 52%. The cumulative up to date status of the WRM infrastructure rehabilitation activities as of **May 2019** is shown in the table below.

**Table 1: Rehabilitation Work Cumulative Progress (2013-14 to 2018-19)**

Sl. No	Works	Program Target	Completed Works	On-going Works	Progress of On-going Works	Total Under Implementation	Item Progress %	Weighted Cum. Progress % (as of May 2019) *
1	Embankment Re-sectioning (Km)	330	242.55	41.61	45%	284.16	79%	<b>46%</b>
2	Embankment Retirement (Km)	20.58	3.24	8.44	36%	11.68	31%	
3	Canal Re-excavation (Km)	545	140.47	214.37	54%	354.84	47%	
4	Repair of Sluice (Nos.)	186	55	50	47%	105	42%	



Sl. No	Works	Program Target	Completed Works	On-going Works	Progress of On-going Works	Total Under Implementation	Item Progress %	Weighted Cum. Progress % (as of May 2019) *
5	Repair of Outlet/ Inlet (Nos.)	235	190	-	-	190	81%	
6	Construction of Sluice (Nos.)	31	3	16	32%	19	26%	
7	Construction of Outlet (Nos.)	17	-	10	27%	10	16%	
8	Construction of Inlet (Nos.)	8	2	-	-	2	36%	
9	Construction of Culvert (Nos.)	32	2	6	39%	8	14%	
10	Pump Shed & Stilling Basin (Nos.)	6	-	3	7%	3	4%	
11	Low Cost Bank Prot. Work (Km)	LS	0.478	-	-	0.478	-	
12	Reh. of Interior Dike (Km)	21	0.3	-	-	0.3	1%	
13	Closure/ Cross-bundh	LS	0.135	-	-	0.135	-	
14	Supply of Drain Pipes	9000	-	-	-	-	-	
15	Flood Damage Repair & Breach Closing	LS	1.40	-	-	1.40	-	

- **Expected Cumulative physical progress as of June 30, 2019 is 53%**

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 tried our level best to continue 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 positive feedback.

In the team retreat in March 2018 an optimized approach for O&M Sluice Catchment Planning had been developed to efficiently scale operations and ensure exit strategy, which is continued this year also. Training was provided to the catchment committee members to facilitate the process. This approach is being reviewed and revised as per requirements.

### 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 August. 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 almost issued & the remaining (If any) must be given by November 2019. 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. June 30, 2020 is the ending time for completion of all the remaining physical works. So, planning should be done by BWDB and WRM team accordingly.

### 2019 - 2020 objectives

The main objective of the 2019-20 plan is to complete all the remaining works within the project period i.e June 30, 2020. At least utmost effort will have to be given for maximizing the achievement as much as possible within the specified

program period. The main target is to start the implementation works by very beginning of the working season as the maximum works was awarded in 2018-19. The remaining engineering designs for all the rehabilitation works must be completed by August 2019, so that all the structural works can be started by November, 2019. The other objective is to complete all the carried over works from 2016-17, 2017-18 & 2018-19 and achieve maximum possible progress for all new works planned for

2019-20. 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 of the catchments.

## 2019 - 2020 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 polder. Those works partly implemented and remaining are carried over in 2019-20 financial year.

The RDPP provision for FY 2018-19 & 2019-20 is 102 crore and 92 crores respectively. But the achievement in FY 2018-19 is about 67 crore (Estimation). The remaining budget provision as per RDPP including all unutilized fund of previous financial years will be about 150 crores. Thus, our utmost effort will be to maximize the utilization of the available budget. TA expected target is around BDT 75 -85 crore.



Table 2: Annual workplan of WRM with timeline

SI		Description of the Unified Work Process and Steps	Target	2019-20												Rationale
Process	Step			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
<b>A</b>		<b>Pre-Construction Works</b>														
	1	DEM & Catchment Identification	-													Completed
	2	Final Assessment of remaining rehabilitation works & available budgets	All polders													If needed
	3	Rehabilitation Needs Assessment	-													Completed
	4	Design Data Collection	As per requirement													If necessary
	5	Detailed Design	As per requirement													If necessary
	6	Estimate Preparation	As per requirement													To be completed by Sep
	7	Estimate Vetting	As per requirement													To be completed by Sep
	8	APP Approval	As per requirement													To be completed by Oct
	9	Preparation of Work Packages	As per requirement													To be completed by Oct
	10	Tendering and Work Award	As per requirement													To be completed by Oct
	11	LCS Training (WMG)	As per requirement													To be completed before start of work
	12	Construction Monitoring Committee Training (WMC)	As per requirement													To be completed before start of work

SI		Description of the Unified Work Process and Steps	Target	2019-20												Rationale
Process	Step			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
B		Construction Works (updated as per current progress)														
	1	Embankment Re-sectioning	87.45 km													45.84 km new work & 41.61 km c/o work
	2	Embankment Retirement	17.34 km													8.90 km new work & 8.44 km c/o work
	3	Canal Re-excavation	404.53 km													190.21 km new work & 214.37 km c/o work
	4	Repair of Sluice	131 nos.													81 nos. new & 50 nos. c/o
	5	Repair of Outlet/ Inlet	45 nos.													45 nos. new work
	6	Construction of Sluice	28 nos.													12 nos. new work & 16 nos. c/o work
	7	Construction of Outlet	17 nos.													7 nos. new work & 10 nos. c/o work
	8	Construction of Inlet	6 nos.													6 nos. new work
	9	Construction of Culverts	30 nos.													24 nos. new work & 6 nos. c/o work
	10	Pump Shed and Stilling Basin	6 nos.													3 nos. new work & 3 nos. c/o work
	11	Low Cost Bank Protection Work	LS													LS
	12	Rehabilitation of Interior Dike	20.70 km													20.7 km new work

SI		Description of the Unified Work Process and Steps	Target	2019-20												Rationale
Process	Step			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
	13	Closure/ Cross-bundh	LS													LS
	14	Supply of Drain Pipes	9000 m													9000 m new work
	15	Flood Damage Repair & Breach Closing	LS													LS
	16	Monitoring & Quality Control	As per requirement													Continuous process during implementation
<b>C</b>		<b>Reimbursements</b>														
	1	Reimbursement Claim														Claims for 2018-19 will be submitted by BWDB in batches by Oct/ Nov 2019
	2	Reimbursement Processing & Recommendation														Processing and recommendations for pending and 2018-19 bills will be done by Jan 2020

## 2.1.2 Small Scale Water Management Infrastructure

### Progress up to June 2019

From September 2018 to now, a fund for a 'hands-off' implementation by WMGs for small scale infrastructure has been set up. Answering a so-called first call (there will be another in the coming year), a large number of WMGs of phase 1 and phase 2 have applied for the fund. WMGs could submit one application serving at least 20 hectares of land for maximum 2 lakh Bangladeshi Taka. A contribution (usually in kind) by the WMG is also required. At this moment, WMGs are implementing gated box or gated pipe culverts, they are excavating branch khals and installing fall board systems on existing culverts. The second call for applications for the fund is under preparation. In the following table, some facts are presented on the first call.

First call: Phase 1 & 2	
Applications	274
Contracted WMGs	162
Value	180 lakhs
Gated pipe culverts	91
Gated Box culverts	31
Khal (re-)excavations	110 (52 km)
Other (fallboards, drains etcetera)	14

### Lessons learnt

We have learnt the following from the first call for applications and the ongoing implementation:

- There is large demand for small scale infrastructure.
- In Patuakhali area, there is a large demand for culverts with branch khals, while Khulna and Satkhira area apply mainly for branch khals.
- A fatal accident occurred during construction of a box culvert. A stronger focus on health & safety during construction is required.
- The application for infrastructure is an exercise in itself for the WMGs. It is an opportunity for BGP to stimulate discussions a priority in water management.
- A separate program by United Purpose under the Innovation Fund has been implementing small scale infrastructure as well, stimulating WMGs to find funds with LGIs such as the Union Parishad. This has led to the idea that, under the 'hands-off' fund, resource diversification could also be stimulated.

### 2019 - 2020 objectives

- Completion of first and second call.
- Implementation of demonstration plots in +- 35 out of 162 WMGs and Horizontal Learning events for WMGs with small infrastructure
- The lessons learnt and the practicalities of a hands-off fund for community based organized to implement their own infrastructure for use in future programme should be communicated.

### 2019 - 2020 Planned activities:

- In June, July and August, WMGs of phase 2 and phase 3 polders will have time to apply for small scale infrastructure – where possible involving LGIs. Contracting will take place by mid-October.

Implementation c.q. construction of the second call will take place from November 2019 to March 2020, this is sufficient time to compensate periods of limited labor availability. If required, infrastructure from first call can be completed in this period.

- Together with Rabi planning for CAWM, demonstration plots will also have additional rabi planning.
- From July to November, materials will be developed on the lessons learnt and the results of the first call. This will be done by written material, as well as with a website including a map with all locations where infrastructure is implemented.

### 2.1.3 Catchment Planning

#### Progress up to June 2019

As part of the capacity building of WMO's, Catchment Planning has been rolled out in Phase 1 and Phase 2 polders of Patuakhali, Khulna (with exception of polder 31/P) and Satkhira. These catchment plans exist of combined WMG level information. A more detailed outline of the progress is given below.

	No. catchment	Progress	Objective
Phase 1	76 out of 76	100%	50%
Phase 2	45 out of 51	88%	70%
Phase 3	0 out of 72	0%	70%
Total	199	58%	

From the table it can be understood that targets have been met for phase 1 and phase 2 polders. Nonetheless, the timeline was not met as we aimed to have started catchment planning of phase 3 polders by March 2019. This is because catchment planning takes quite some resources from TA-staff, which is not always available.

#### Lessons learnt

From the catchment planning approach, we have learnt the following:

- It is an approach where WMG, WMA and the O&M subcommittee communicate and discuss cropping patterns. That means that the exercise in itself is valuable.
- Catchment level workshops have evolved into a linkage building workshop, where WMOs invite LGI's such as UPs, LGED and BADC. This connects WMOs to these organization, but sometimes also results in direct contribution of these organization (such as financial contribution to a re-excavation of a khal, or the uptake in the annual planning of BADC of a khal).
- WMAs need to be introduced at a higher level than the Union Parishad, being the Upazilla Parishad. This makes the linkage building more effective (LGIs are often organized at the Upazilla level) and provides the WMA with higher level connections.

#### 2019 - 2020 objectives

- In 2019 all catchments should have developed a catchment plan.
- All WMAs of phase 1 are requested to monitor update catchment plans in the coming year.
- Upazilla water management workshops will be organized

#### 2019 - 2020 Planned activities

- In three selected upazilla's, focusing on phase 2 polders, O&M linkage building workshops will be organized from August to December.
- In Patuakhali Phase 3 polders, catchment planning will start in July. This will run from July to December. This will allow for Upazilla level linkage building workshops from Januari to March.

- In Khulna in Polder 31P and the Phase 3 polders, catchment planning will take place as soon as possible. This will run from July to December. This will allow for Upazilla level linkae building workshops from Januari to March.

## 2.1.4 CAWM

Table 3: CAWM Progress up to June 2019

Polder No	Sl.no.	Name of WMGs	WMG member( no.)	CAWM member		Total member under CAWM	Land under CAWM		Replication through HL within the catchment (Farmers)	Replication through HL within the catchment, MV	Total farmers cultivated MV	Total land under MV
				Male	Female				No.	Ha	No.	Ha
1	2	3	4	5	6	7	8		9	10	11	12
<b>PATUAKHALI</b>												
43/2A	1	Paschim Matibanga	247	61	10	71	23		20	10	91	33
	2	Paschim Kewabunia	196	52	4	56	22		70	28	126	50
43/2D	3	Patukhali	423	40	10	50	20		150	100	200	120
55/2A	4	Hazirhat Sluice	400	47	3	50	23		35	17	85	40
	5	Maydda Dharandi Chandipur	580	44	6	50	27		80	53	130	80
	6	Shankipur Maishadi	696	42	8	50	20		32	16	82	36
55/2C	7	Rohitpura Khal	326	42	8	50	27		120	73	170	100
	8	Ulashir Khal	425	45	5	50	20		40	20	90	40
47/4	9	Amtali Khal	560	40	10	50	20		30	20	80	40
	10	Varanir Khal	376	38	12	50	20		15	5	65	25
	11	Pakshia Para Khal	405	41	9	50	24		17	8	67	32
43/2F	12	Purba Gulishakhali	195	43	10	53	20		30	20	83	40
<b>Sub-total 1</b>			<b>4829</b>	<b>535</b>	<b>95</b>	<b>630</b>	<b>266</b>		<b>639</b>	<b>370</b>	<b>1269</b>	<b>636</b>
<b>SATKHIRA</b>												
2	1	Dekur & Chalar Beel	234	63	1	64	27		196	134	260	161

Polder No	Sl.no.	Name of WMGs	WMG member( no.)	CAWM member		Total member under CAWM	Land under CAWM		Replication through HL within the catchment (Farmers)	Replication through HL within the catchment, MV	Total farmers cultivated MV	Total land under MV
				Male	Female	Total	Ha		No.	Ha	No.	Ha
1	2	3	4	5	6	7	8		9	10	11	12
	2	Goshkhali Khal	247	45	5	50	21		125	46	175	67
	3	Marichap	339	81	4	85	22		40	25	125	47
	4	Hazikhali	357	82	1	83	18		177	156	260	174
<b>Sub-total 2</b>			<b>1177</b>	<b>271</b>	<b>11</b>	<b>282</b>	<b>88</b>		<b>538</b>	<b>361</b>	<b>820</b>	<b>449</b>
<b>KHULNA</b>												
25	1	Tolna	363	160	15	175	21		240	79	415	100
	2	Chechuri	645	83	2	85	17		135	105	220	122
	3	Rudagora	635	145	9	154	17		346	82	500	99
	4	Katenga	250	64	1	65	13		135	28	200	41
26	5	Jialtala	391	37	13	50	20		370	102	420	122
27/01	6	Sajara	291	57	7	64	18		10	3	74	21
27/02	7	Bahadurpur	122	94	4	98	27		82	32	180	59
28/02	8	Guptomari Dawniafad	144	44	0	44	17		206	63	250	80
	9	Fulbari	250	45	5	50	15.00		185	80	235	95
<b>Sub-total 3</b>			<b>3091</b>	<b>729</b>	<b>56</b>	<b>785</b>	<b>165</b>		<b>1709</b>	<b>574</b>	<b>2494</b>	<b>739</b>
<b>Grand Total (Sub-total 1+Sub-total 2+Sub-total 3)</b>			<b>9097</b>	<b>1535</b>	<b>162</b>	<b>1697</b>	<b>519</b>		<b>2886</b>	<b>1305</b>	<b>4583</b>	<b>1824</b>

- Total Project area: 119124 ha.
- Total CAWM covered (with replication of 2018): 7251 ha (CAWM covered 6%).



- Total HH in BGP: 193602 (CAWM covered 4% for 2018).
- No. of WMGs 513 (CAWM covered 14 ha/WMG for 2018).
- Average yield production is about 5.5-6.5 ton/ha Aman (source: crop cutting results).
- Diversification of Rabi crops has been increased e.g. sunflower, Mustard, Watermelon, BARI Mung bean and Vegetables.
- Instead of fallow land or, local Khasari dal.

Table 4: Annual Workplan of CAWM with timeline

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A</b>	<b>Community Agriculture Water Management (CAWM)</b>													
1	Consultation meeting with WMG/Community farmers for selection CAWM	37 WMGs												
2	Area/field selection finalization	21 WMGs												
3	Facilitate & Assist CAWM activities	21WMGs	x	x	x	x	x	x	x	x	x	x	x	x
4	Water Management Infrastructures Development (cannel excavation, pipe installation, culvert construction etc.)	21 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
5	Assist to Sub catchment Water Management activities led by community	21 sub/catchment	x	x	x	x	x	x	x	x	x	x	x	x
6	FFD/Crop cutting events and reporting	21 WMGs					x	x						
7	Crop cutting events festival (large scale horizontal learning)	5					x	x			x	x		
8	Farmer Field School (FFSs)	21+21 Aman+ Rabi	x	x	x	x			x	x	x	x	x	x
9	Coordination meeting with SAAOs, DAE/BWDB	18	x	x	x	x	x	x			x	x	x	x
10	Coordination with UPs WMOs, BWDB and DAE	21 WMGs	x	x	x	x	x			x	x	x	x	x
<b>B.</b>	<b>Communication and Horizontal Learning</b>													
1	Experience sharing visit within the polder and Polder to polders	42		x	x	x	x			x	x	x	x	x
2	Fact sheet preparation of identified good practices on IPWM/production	15	x	x	x	x	x	x	x	x	x	x	x	x
3	Assist to Polder Team to organize horizontal learning events	15 events	x	x	x	x	x	x	x	x	x	x	x	x
4	Video/Drama	15		x	x	x	x			x	x	x	x	x
5	Orientation on women empowerments and market linkage	10		x	x	x	x			x	x	x	x	x
6	Assist to WMGs organize informal HL events	40			x	x	x				x	x	x	x

7	Learning/sharing workshop	3						x	x					
8	Provide write-up/case study for BGP Barta/report etc.	15		x	x	x	x	x	x	x	x	x	x	x

## 2.2 Equitable Water Management

### Progress up to June 2019

Part of the capacity building and the 'legacy' of the approach of BGP to WMOs and water management is the development of a manual. Usually, these manuals are called the "O&M Manual". The people of the WMOs are less likely to read those because they are textual and technical in nature. Therefore, a visual approach is being taken to provide WMAs and O&M subcommittees with a manual.

Significant achievements which were supported by the EWM group are as follows:

- Polder level WMA formation at 06 polders in Khulna and Patuakhali;
- Linkage development with the LGIs, BWDB, DAE, BADC, DLS and DoF through different activities and field program;
- Supported WMAs to prepare WMA Action Plan ensuring WMA as an apex body of WMGs and will play an important role in absence of BGP i.e. monitor WMGs and keep in touch with BWDB, DAE, BADC, DOF, DLS, private sectors and other servicing agencies;
- Successfully implemented 25 Community-led Agriculture Water Management demonstrations in Patuakhali, Khulna and Satkhira where introduced HYV paddy, zero tillage mustard cultivation/ high value crop by improving catchment level water management;
- Organized two O&M agreement signing ceremony at Khulna and Patuakhali where 24 WMAs signed O&M agreement with Executive Engineers of Bangladesh Water Development Board;
- Facilitated WMAs to form 199 Catchment O&M sub-committees under 36 WMAs for smooth running of O&M activities;
- Facilitated Catchment O&M sub-committee for preparing catchment level O&M planning;
- For In-polder Water Management (IPWM) improvement, BGP supported 162 WMGs to develop small water management infrastructure for proper water management at defined catchment;
- Identified different good practices at polder level about benefit from proper water management i.e. CAWM, CII, IPWM or other WMGs' initiatives (khal cleaning, silt removal, wooden box culvert manufacturing etc);
- Organized formal or informal exposure visit/experience sharing visit/ horizontal learning to disseminate good practices.

### Lessons learnt

- One of the main lessons learnt for the manual is the positive response of WMAs to a visual approach. Nonetheless, it is important to find a balance between simple and clear messages and oversimplification. WMA members and O&M subcommittee members know quite well how their infrastructure looks like – it is the challenge to find a way of communicating the necessity for proper (asset) management.
- Union level coordination, linkage and workshop with all catchments (belonging union boundary) created an opportunity to build relationship where WMOs invite LGIs, LGED and BADC. This process will help WMOs to get help from those organization, because similar activities they have done at polder level;
- Present procedure of catchment level O&M planning is prolonged and not hands-on. so BGP should adopt short technique to complete remaining catchment O&M plan in the timeline;
- WMG have an intension to implement Small Scale Water Management Infrastructure (SSWMI) by excavator or hired labour;

- WMGs' members/farmers blessed by Small Scale Water Management Infrastructures development for increasing cropping intensity or changing cropping pattern;
- Collective action, in-Polder water management and community coordination may change a lot on crops water management, crop diversifications and adaptation of claymate changed situation e.g. Polder 43/2F and 34/2 (early sunflower and relay crop mustards);
- Unified approach is key factor to economic develop of the BGP Polders as well as coastal area.

### 2019 - 2020 objectives

EWM team always motivating and supporting WMOs to implement their Action Plan properly as well as ensuring proper water management for increasing cropped area and agricultural production. For this purpose, EWM group is going to plan targeting the following major objectives:

- Phasing out preparation from all polders leaving functional WMOs;
- Established functional WMAs;
- Leadership and capacity building of WMOs
- Women empowerments in all stages Polder activities.
- Linkage development between WMAs and BWDB, DAE, LGIs, Private sectors;
- Accelerating horizontal learning program to disseminate good practices;
- Complete catchment O&M planning & its implementation in catchments as well as Polder level;
- The objective is to complete two manuals:
- One condensed and mostly visual manual aimed at WMAs and O&M subcommittees audience.
- Another more comprehensive manual (combining text with pictures), aimed at BWDB audience.

### 2019 - 2020 Planned activities:

- O&M guideline preparation for both WMOs and BWDB;
- Assist Catchment O&M sub-committees to prepare hands-on Catchment O&M Plan;
- Organize Upazila level Catchment O&M plan and sharing workshop with Upazila;
- Organize O&M agreement signing ceremony;
- Assist WMGs and WMAs to formulate and implement Annual Action Plan (WAP);
- Assist WMGs and WMAs to organize Annual General meeting;
- Establish demonstration scheme addressing cropping pattern at SSWMI scheme areas;
- Support polder team to identify resources inside and outside of the polder;
- CAWM and CII to be implemented;
- Good practices identification and dissemination at polder level;
- Strengthening Collective Action (CA);
- Video, drama and HL program to be implemented.
- In July, feedback sessions will be planned with WMA and O&M Subcommittee to better understand the needs of the members regarding the visual member.
- In August, feedback will be sought from BWDB to complete the comprehensive manual.
- In September, the manuals are produced and disseminated.

Table 5: Annual Workplan of Equitable Water Management with timeline

Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
1	Coordinate and communicate with Office of the Chief Water Management for WMAs registration	Need base	X	X	X	X	X	X	X	X	X	X	X	X
2	Conduct Staffs performane Appraisal	22	X	X	X	X	X	X	X	X	X	X	X	X
3	Assist PT to prepare & implementation catchment level water management & O&M planing	36	X	X	X	X	X	X	X	X	X	X	X	X
4	Facilitate WMAs with support of polder team to identify inside/ outside resources	22	X	X	X	X	X	X	X	X	X	X	X	X
5	Support polder team to develop linkage between WMAs and different GO/NGO and Private agencies	22	X	X	X	X	X	X	X	X	X	X	X	X
6	Prepare polder wise Half Yearly Report	4	X	X	X	X	X	X	X	X	X	X	X	
7	Prepare O&M guideline for both WMOs and BWDB	1	X	X	X									
8	Organize O&M agreement signing ceremony	3	X	X	X									
9	Organize upazila level catchment plan sharing workshop	8		X	X	X								
10	Ensuring final WMAs Action Plan	36	X											
11	Assist WMGs/WMAs to organize AGM	511/36	X	X										X
12	Polder level staffing re-arrangement	Need base		X	X			X						
13	Support polder team to organize sharing meeting with WMA about WRM activities at polder level	36	X	X	X	X	X	X						
14	Coordinate and communicate with Office of the Chief Water Managemet, Audit Directorate, Project Coordinating Director and Project Director, DAE	Need base	X	X	X	X	X	X	X	X	X	X	X	X
15	Suport polder team to organize Horizontal Learning (HL)	Need base	X	X	X	X	X	X	X	X	X			

Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
16	Support polder team to strengthen CAs	Need base	X	X	X	X	X	X	X	X	X	X	X	X
17	Assist polder team to review and facilitate integrated WAP of WMG/WMA	511/36	X	X										X
18	Participate AGM of WMOs	511/36	X	X										X
19	Participate in the meeting of WMOs	511/36	X	X	X	X	X	X	X	X	X	X	X	X
20	Participate at Catchment O&M Planning meeting with Catchment O&M sub-committees	199	X	X										X
21	Assist polder team to implement Catchment O&M Plan by Catchment O&M Committees	199	X	X	X	X	X	X	X	X	X	X	X	X
22	Assist polder team to assess the capacity of WMG/WMA and take necessary action	511/36	X	X	X	X	X	X	X	X	X			
23	Assist to Polder Team to take women empowerment initiatives	As require	X	X	X	X	X	X	X	X	X	X	X	X
24	Assist to Polder Team to observe international day	5	X	X	X	X	X	X	X	X	X	X	X	X
25	Follow up regular activities of Catchment O&M sub-committees	199	X	X	X	X	X	X	X	X	X	X	X	X
26	Assist polder team to select and implement CAWM and SSWMI	Need base	X	X	X		X	X	X	X	X	X		

## 2.3 Strengthened Value Chain

### Progress to end-June 2019

The Strengthened Value Chains (SVC) workgroup designed and implemented activities to improve economic situation of polder dwellers by increasing production, productivity and market linkages, resulting from the benefits out of rehabilitated water infrastructures. Strengthening competitiveness of relevant value chain actors were also priority of SVC workgroup. Different interventions were taken to bring changes to local market systems.

The main interventions consisted of:

- SVC team supported the further development of the 60 DAE FTs by providing additional capacity building trainings on homestead production of comparatively resource starve households on livestock and fisheries. This is additional training, earlier all FTs were trained on market orientation (MO) and value chain development (VCD) issues. DAE with their DTs and FTs have implemented a total of 1000 FFS.
- With a view to promote linkage with newly registered WMAs, SVC organized two linkage workshops with value chain actors, where emphasis was given on private sector actors. It is hoped that, in future, business relationship among WMA and private sectors will help achieve desired leverage and there will be win-win situation for the benefit of WMG members.
- SVC organized training for 30 input traders at Satkhira region. This in addition to earlier four batches of input trader training, conducted in Khulna and Patuakhali zone. It is hoped that these trained input traders will be able to ensure timely quality inputs to polder dwellers to enable them continue envisioned cropping system change and production shift. They will also be able to support collective actions by farmers.
- The refocused TA FFS has enabled BGP to achieve more direct participants with single module. For example, in three recent cycles, a total of 500 FFS could be implemented, whereas, in previous 10 cycles 633 TA FFS could be implemented.
- SVC workgroup has continued with its RF capacity building, market visits for improving market linkages. Moreover, demonstrations for increasing cropping intensity, CII activities, were also continued in all zones.

### Lessons Learnt

- DAE FTs were mainly trained to support extension activities on agriculture. They had received season long training on conducting FFS on crops. Thus, a very short duration training on livestock and fisheries module may be helpful for them but may not be adequate.
- The linkage building workshop with WMA and value chain actors, including private sector, was challenging. The nature and role of WMA as organized is yet to be observed. So, it will take a lot of enthusiasm and effort from WMA if the benefit of such linkage can be materialized.
- The refocused TA FFS can reach more direct beneficiaries no doubt, but quality of implementation depends on facilitation as well as supervision.

### 2019 - 2020 Objectives

- Engage with the DAE, DLS and DoF in sharing different BGP interventions and impact
- Organize more forward market linkage programs, including more programs for exploring forward market constraints, where possible with WMOs, to attempt sustainable impact
- Work more closely with private companies for linking those with WMOs for promoting quality product. At the same time try hard to establish business relationship among WMOs and organizational buyers.

- Extend support in impact assessment of business development initiatives and production shift interventions.

### 2019 - 2020 Planned Activities

- Workshops with DAE, DLS and DoF for sharing refocused TA FFS
- Sharing event with DAE, DLS and DoF for other relevant interventions process and impact
- Facilitate DAE FT capacity building, Mela, impact and other events
- Organize linkage building workshop with WMO and private sectors
- Set demonstrations of quality product from different private input companies using WMGs/RFs
- RF capacity building programs (Business planning/entrepreneurship development)
- Value chain development workshops- on postharvest management/quality of product/service marketing
- Workshops/trainings for exploring value addition potential for RFs and/or farmers
- Demonstration for CII (including FFD, HL)
- BGP impact assessment activities
- Extend all needed support in IF projects and HL events



Table 6: Annual Work Plan of Strengthened Value Chain with timeline

S. N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	Workshops with DAE, DLS & DoF for sharing refocused TA FFS	2												
2	Sharing event with DAE, DLS and DoF for other relevant interventions process and impact	2												
3	Organize linkage building workshop with WMO and private sectors	4												
4	Set demonstrations of quality product from different private input companies using WMGs/RFs	10												
5	RF capacity building programs (Business planning/entrepreneurship development)	2												
6	Value chain development workshops- on postharvest management/quality of product/service marketing	2												
7	Workshops/trainings for exploring value addition potential for RFs and/or farmers	2												
8	Demonstration for CII (including FFD, HL)	12												
9	Extend all needed support in IF projects and HL events													
10	BGP impact assessment activities													

## 2.4 Training, Communications and Horizontal Learning

### 2.4.1 Training

#### Progress to end-June 2019

Training & Communication Team (T&C) supported management to achieve BGP objectives through implementing different training and capacity building activities for the WMOs, DAE, BWDB and BGP TA staff. During this tenure, Training Team went through unique changes in terms of WMG capacity development for catchment O&M plan, design & facilitated O&M agreement signing ceremony, strengthening facilitation skills of SAAOs, DAE through using experiential learning approach.

T&C team developed bottom up approach for catchment O&M planning process and strengthen WMA capacity to facilitated the process of WMG & catchment wise O&M plan preparation involving farmers and other stakeholders. This process has immense contribution to develop grass root level people/farmers understanding and motivation on the requirements of IPWM for agriculture production.

T&C team designed and organized Retreat 2019. The main aim of the retreat was to ensure that all levels of the TA team had a common and practical understanding of their role in developing strong and functional WMAs whose objective is to achieve sustainable agricultural and economic growth for their members using available local resources for polder water management.

T&C team designed and implemented special training course for the SAAOs, DAE for strengthening facilitation skills what they can apply experiential learning approach methodologies. The SAAOs are now applying these acquiring skills to the CAWM FFS and other DAE projects.

T&C team design and facilitated the O&M agreement signing ceremony. The objective of this program was to make both the parties (WMA & BWDB) agreed on the roles & responsibilities on operation and maintenance of water management infrastructures, signing & handing over the documents.

**Table 7: Training Team Accomplishment- 2018-2019**

S. N	Activities	Participants	Month of accomplishment / Place	Target 2018-19	Achievement 2018-19	Participants		
						M	F	Total
1	ToF for CDF/ Training on Participatory Water Management	CDF-BGP TA & XO-BWDB	August Kushtia	1	1	21	14	35
2	O&M Training (Gate O & M)	Gate operators	1st Phase polders	4	4	77	20	97
3	Workshop on CAWM/ CAWM Planning Workshop	DAE Staff, WMA & Farmers	-	6	6	245	23	268
4	Training on Catchment O&M Planning Process for CCF	CCF & CDF	Pat-3 Sat-1	4	4	91	6	97
5	WMG Data collection Session by CCF (O&M)	WMG members, Farmers	1st & 2nd Phase polders of Pat & Khu	217	182	1453	512	1965
6	Catchment Pre-workshop Meeting	O&M sub-committee members & WMG	1st & 2nd Phase polders of Pat & Khu	86	66	723	165	888
7	Catchment Planning Workshop (new Approach) at Union Level	UP, BADC, DAE, BWDB, WMA, WMG	0	47	45	835	100	935

S. N	Activities	Participants	Month of accomplishment / Place	Target 2018-19	Achievement 2018-19	Participants		
						M	F	Total
8	ToF for SAAOs	SAAOs-DAE & CDF	Sep-01(pat) Nov-01 (Khl & Sat)	2	2	53	5	58
9	O&M Agreement Ceremony	UP, DAE, BWDB, WMA, WMG, EKN	Sep'18- Khl Jan'19-Pat (1st phase polders)	2	2	160	41	201
10	Action Planning Workshop for WMA capacity Building	CDF, PCC, & PC	Pat-01 Sat-01 Khl-01	3	3	86	25	111
11	Retreat-2019	BGP-TA Team Members	Feb'19	1	1	63	7	70
12	O&M Catchment Plan Finalization/Validation Workshop	WMA & O&M sub-committee members	0	8	8	216	26	242

### Lessons Learnt

When the grass-root people get inspiration, empowerment and able to utilize their own experience, things begin change.

### 2019 - 2020 Objectives

- Provide support to the Polder Teams to perform their roles in developing capacity of the Water Management Association to find WMA as a functional organization;
- Support to zonal/polder teams to accomplish the catchment O&M plans by the WMAs (3rd phase polders);
- Develop partnership relations in between WMA, LGI, UZP, and GoB Departments for cooperation and future support/opportunities for implementing O&M activities by the WMAs through organizing workshop at the UZ level.
- Support zonal teams in organizing O&M Agreement Signing Ceremony for the 2<sup>nd</sup> and 3<sup>rd</sup> phased polders in Satkhira, Khulna and Patuakhali;
- Design and organize National & Zonal level workshop with different donors, GoB departments and BGP Partners to disseminate BGP achievements, learnings and experience.

### 2019 - 2020 Planned Activities

T&C Team has planned to support Polder Teams for developing strong and functional WMAs whose objective is to achieve sustainable agricultural and economic growth for their members using available local resources for polder water management. The Polder Teams will mainly play the roles as facilitator. T&C team will support polder teams to develop their facilitation skills through coaching and mentoring so that they can play their roles as required.

The catchment O&M plans of 3<sup>rd</sup> phased polders should be completed by December 2019 by the WMA where polder teams should facilitate this process. The planning process should be carried out by the WMA catchment committee involving WMG members, key farmers and UP members. This bottom up approach planning process should be facilitated by the polder teams where T&C team will support them in the facilitation process.

Develop partnership in between WMA, LGI, UZP, and GoB Departments for cooperation and future opportunities in implementing O&M activities is of the major role of WMA. Before phasing out of the polders,

BGP planned to support WMAs through organizing a day long workshop where they will introduce themselves and look for future opportunities.

To disseminate BGP achievements, learnings and experience the donors, GoB departments and BGP Partners and other project people is very important for designing future projects. T&C team will support to management in designing and organizing this event.

Table 8: Annual Work Plan of Training with timeline

SL	Activities	Duration	Target	2019						2020					
				Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
01	O&M Catchment Plan														
1.a	Training on O&M catchment planning process for WMA/O&M sub-committee members	5 days	04	X	X										
1.b	WMA O&M plan preparation by O&M sub-committee	1-2 days	179		X	X	X	X	X	X	X	X			
1.c	Training on gate O & M for gate operator (2nd & 3rd Phase polders) polder wise	1/2 day	11	X	X	X									
1.d	Catchment O&M plan finalization & validation workshop (by WMA) (3rd phase polders) WMA wise	1 day	09	X	X	X									
02	WMA capacity building using experiential learning approach	--	--	X	X	X	X	X	X	X	X	X			
03	Workshop on development partnership for implementing WRM plans	01	13	X	X	X	X	X	X						
04	O&M agreement signing ceremony	01	03				X	X	X						
05	Rabi Season Planning Workshop for CAWM Area	01	03			X	X								
06	Crop water management plan in CAWM area by the WMA/O&M Sub Committee Members	01	21	X	X										
07	Organizing seminar to disseminate BGP achievements, learning and experiences (zonal & national level)	01	04							X	X	X			

## 2.4.2 Communication & HL

### Progress to end-June 2019

Blue Gold Communications is developing different types of learning materials and sharing those with large community through horizontal learning, demonstration in big event, and through digital platform. The interventions of communications are for polder community as well as others stakeholder of the BGP.

**Interactive popular theatre:** During this tenure BGP organized drama show for phase 1 polder named Pani Byabosthaponay Amra (we are for water management). There were 35 drama shows were held under 11 polders covering 35 WMAs and 165 WMGs, where total audience were female 3357, male 7343 and children 2176 total 12876.

**Video production and screening:** Under BGP Communication we developed number of videos on different categories like BGP interventions, instructional, success stories (motivational), TV news etc. Video screened in different polders in a regular basis. We are also taking still pictures of our regular interventions.

**BGP Printing materials:** Our regular newsletter “BGP BARTA” has published quarterly for the polder community. In each quarter, the success stories of BGP and important intervention or event published. We have successfully published 2<sup>nd</sup> edition of fact sheets containing 40 success stories from 22 polder areas. 3 posters poster with BGP logo, pictorial functional WMO and BGP at a glance. Developed 15 festoons on O&M activities.

**Organize events:** Organized Blue Gold DAE mela named “Blue Gold DAE agricultural technology fair 2019”. Organized 2 event on “O&M agreement in-between BWDB and WMA”.

**Operation of virtual media:** Regularly updating BGP Facebook page and maintaining YouTube channel of BGP and prepare different materials for BGP website.

**Horizontal learning:** Blue Gold Program organizing Horizontal Learning event on a regular basis to expand the best practice.

**Assist & closely working with documentation and video production companies:** BGP is developing a year-round seed to seed process video documentary on CAWM implementation by hiring a video company. This company will also develop 5 success stories. Under innovation fund MeteMeta is also developing videos, organizing training for WMG members on video developing and screening.

### 2019 - 2020 Objectives

- Raising awareness on the benefits of water management and how WMO will continue with their development through proper water management even after BGP.
- Capacity building of WMOs by clarifying roles, identifying opportunities so that WMOs can do proper distribution of benefit among all participants
- More initiative to transfer knowledge on organizational management and proper water management to WMO members to help them take better production decision based on existing WRM situation.
- Contribute in integration to make extension messages more efficient by supporting horizontal learning activities
- Support zonal team in ongoing capacity building activities of WMA
- To expand messages within the Blue Gold target community and stakeholders.
- 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; facilitating and supporting with documentation on good practices and results.

### 2019 - 2020 Planned Activities

Interactive popular theatres	The objective of the popular theatre is to inform the target audience about the operational aspects of the Water Management infrastructures, so that they can run the operations and maintenance by themselves. To raise the awareness on market orientation and gender issue.
Video production and screening	Motivate and organize community to take initiatives regarding water resource management and IGAs and documentation for the program.
Printing materials	Objective is to improve our visibility and get the attention of our target community, enhancing their capacity, share their success and mobilize them.
Organizing events	Objective of organizing different events is demonstration of different improved technology, information and results towards extension.
Operation of virtual media	Through this virtual media we can reach a large community including our implementing partners and donor.
Horizontal learning	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.
Assist the documentation & video production companies	We will use those videos to develop the capacity of the members of WMOs.
WMA capacity building	Demonstration of communications materials during AGM of WMA.

Table 9: Annual Activity Plan of Communication &amp; HL with timeline

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
i	<b>Interactive popular theatre</b>													
	Drama named Pani Byabosthaponay Amra (We are for water management)	60			x	x	x	x	x	x				
	Drama on business orientation and Gender issue	30					x	x	x					
	<b>Video production and screening</b>													
	Video production on BGP activities for project documentary	15	x	x	x	x	x	x	x	x	x	x	x	
	Video production on success story to motivate polder community	40	x	x	x	x	x	x						
	National TV news (highlight the success of BGP intervention)	15	x	x	x	x	x	x	x	x	x	x	x	
	Video screening (Phase 1 polder 5 show x 8 polders= 40) (Phase 2,3 polder 10 show x 14 polders= 140)	180	x	x	x	x	x	x	x	x	x	x		
	<b>Printing materials</b>													
	BGP BARTA	5		x		x		x			x			x
	Case study	50	x	x	x	x	x	x	x	x	x	x	x	
	Poster	3	x	x	x									
	Compilation of success stories (contained top 100 stories from BGP intervention)	100									x	x	x	
	Festoon on O&M activities, market orientation, Gender issue, CII, CAWM	75	x	x	x	x	x	x						
	Signboard on operation and maintenance of sluice gate and other water management infrastructures	100				x	x	x						
	<b>Organize event</b>													
	Mela	3						x	x					
	Crop cutting festival	5					x	x						
	Other festival	3					x	x	x					
	<b>Operation of virtual media</b>													
	BGP Facebook, Website, YouTube channel etc.		x	x	x	x	x	x	x	x	x	x	x	x
	<b>Horizontal learning</b>													
	Organize horizontal learning event	90	x	x	x	x	x	x	x	x	x			



S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
	Identification of good practices jointly with zonal team and documentation accordingly	50	x	x	x	x	x	x	x	x	x			
	<b>Assist &amp; closely working with documentation and video production company</b>													
	Avcom, MetaMeta and Big Blue		x	x	x	x	x	x	x	x	x	x	x	x
	<b>WMA capacity building</b>													
	Demonstration of communications materials during AGM of WMA		x	x	x									

## 2.5 Gender Mainstreaming

### Progress to end-June 2019

Gender related achievements of the last year are:

- Two gender flipcharts were published as tools for field staff in addressing gender issues in their work. 150 DAE FTs and 72 TA FTs received orientation on the use of these flipcharts in FFS sessions; they are now using this, which is contributing to increased gender awareness.
- The new approach of the Gender and Leadership Development (GLD) training became applied. 67 CDFs received *Dry-run* training, including the use of the gender flipcharts. CDFs in new polders now conduct GLD training to groups of WMG members in 5 informal sessions. Topics include the role of women in agriculture; the importance to share domestic work; the need for joint decision-making; and women's leadership. A quick assessment of the GLD training was conducted.
- A quick assessment on women's workload was conducted.
- Three successful pilot workshops, jointly with UPs, were conducted on women's empowerment; one training on women's empowerment and market linkages development.
- The LCS study, which also addresses effects of LCS work on women's empowerment, was conducted by a consultant.
- Follow-up on the United Purpose project on Women's Business Centres; Discussions with ActionAid and DAE about a pilot project on feminization of agriculture.

The gender team, especially the coordinator, supported the polder teams, e.g. to promote that gender related targets are being achieved. Almost all planned activities of 2018/2019 were implemented, which contributed towards achieving the specific objectives. Also steps towards institutionalizing gender in the work of BGP partners were taken, eg by supporting DAE FTs using gender flipcharts. However, the updated Gender Action Plan for BWDB, is not yet approved by BWDB's Director General.

### Lessons learnt

- Women's involvement in agricultural production increased after BGP: more homestead work, more tasks in field work.
- More work for (women) wage labourers, but a wage gap between men and women remains.
- Women's total workload increased after Blue Gold, also because almost all domestic and care work is done by women.
- Women are becoming more empowered in various respects because of participation in BGP activities such as FFS, WMG and CAWM and linking women with market actors, and their increased role in agricultural production.
- LCS work can be more effective, including as a poverty reduction means, if planned to take place in agricultural slack seasons instead of in peak seasons (as now).
- Cooperation with Union Parishads and WMGs can be successful, contributing to stronger relationships.
- Horizontal Learning is highly effective; integrating gender issues is a good way to distribute gender experiences.

### 2019 - 2020 objectives

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

Specific objectives for 2019/2020:

- Promote that gender awareness and women's (economic) empowerment in the project area increases and becomes more sustainable, eg by increasing gender awareness and women's leadership in WMAs.
- Remain in dialogue with BGP partners, such as BWDB and DAE, about institutionalizing gender approaches and gender-related lessons learned.
- Enhanced attention to drawing and documenting lessons learned on the effects of Blue Gold on gender relationships and women's empowerment, also addressing feminization of agriculture.

#### 2019 - 2020 Planned activities

The planned activities include the continuation of ongoing gender activities and a few newly initiated activities, the latter focusing on drawing and documenting lessons learned. Detailed activities are in the following excel table; they can be summarized as follows:

- Continuation and/or completion of various on-going gender activities, such as GLD training and support to polder teams;
- Informal gender training to WMAs and support for women's leadership in WMAs;
- Continue support to women to become (better) involved in production increase, income generation and (joint) decision-making, also paying attention to their total workload; this includes targeting also men to create awareness on sharing domestic work.
- Measuring and documenting the effects of BGP on women's empowerment and reducing gender gaps; also, the impact of BGP's gender mainstreaming on (better) achieving BGP's goals will be addressed.
- Follow-up on supporting DAE and BWDP on integrating gender into their work, in particular by a possible pilot project of ActionAid on feminization of agriculture.

Table 10: Annual Work Plan of Gender Mainstreaming with timeline

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
1	Promote that 45% of the general members of the new WMGs are women at new polders by CYS	k -Polder 34/2, 25,28/1, 28/2 P-43/7, 43/4												
2	Promote that 7% of the important positions in EC are occupied by women in WMA through discussion and small meeting	50%												
3	Implementation of GLD training by CDFs through CYS with WMG Members	34/2, 25,28/1, 28/2 P-47/3&, 47/4, 2 & Ext.												
4	Implementation of Gender and Leadership Development training by CDFs through CYS with WMA EC Members	35 WMA												
5	Increase women's involvement in decision making and leadership (especially in WMA) through CYS and general discussion with women and men)	Patuakhali -21 Khulna -11 & Satkhira 3												
6	Women empowerment through HL Program exchange events in WMG and CAWM	Khulna: 3, Pat: 7; Sat: 2												
7	Joint Workshop with UP on Women empowerment	Khulna 2, Pat: 2												
8	Training on Market Linkages and Women's Empowerment I 2-days training)	Pat -2, Khul -2 & Sat -1												
10	Increase women's involvement in CAWM (through discussions and meetings)													
11	Support to and/or Monitoring of relevant Innovation Fund projects.	5 WBC and Aab project												

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
15	Observation of International Women's Day	Khulna -1& Patuakhali-1									x			
16	Support to polder teams for gender mainstreaming (based on needs)	All polders	-	-	-	-	-	-	-	-	-	-	-	-
17	Develop a booklet on women's empowerment	1												
18	Collecting more gender related information.													
19	Develop separate reports, e.g. one about feminization of agriculture & a 4-page briefing note on gender													
20	Contribute to Final Report													

## 2.6 Monitoring, Reflection Learning

### Progress to end- June 2019

The major achievements of MRL Team so far and BGP activities where members of MRL Team have contributed are:

- Implementation of baseline surveys (phase I & II) and preparation of report of baseline survey phase II;
- Development and implementation of WMG tracker – collected output data of WMGs quarterly, analysed the data and prepared reports;
- Development of monitoring parameters for and implementation of participatory monitoring (PM) at WMG level – implemented PM six-monthly, analysed the data and prepared reports;
- Development of monitoring parameters for and implementation of participatory monitoring at WMA level – implemented 1<sup>st</sup> round of PM; the data have yet to be analysed;
- Facilitated polder-wise reflection sessions on the results of WMG tracker and PM at zonal level;
- Development of MIS (dashboard) – uploaded data and reviewed the auto-generated reporting;
- Development and implementation of polder dashboard;
- Issuance of Trends Watcher, BGP bulletin;
- Coordination of half-yearly reports;
- Conducted pilot case study on economic analysis of the BGP interventions.

The MRL Team has been providing support to the implementing teams by way of providing them data on field realities with analysis, bringing to light the strengths and weaknesses of WMOs as well as the progress of WMOs at outcome level, and by way of reflecting together with them on the field realities. It has provided the management and implementing team's information on the progress against BGP targets so that appropriate decisions could be taken.

Supporting implementing teams through information delivery was possible because of cooperation of polder teams to collect data and the MIS has been in good working condition.

### Lessons learnt

- Sharing monitoring findings with implementing teams is helpful for planning and decision making.
- Polder teams need to facilitate reflection on and learning from monitoring results with WMOs.

### 2019 - 2020 objectives

The main objective of MRL Team is to support the BGP implementing teams and the management team with monitoring results. In addition, MRL Team intends to support WMOs to take up part of responsibility for data collection and management.

### 2019 - 2020 Planned activities

As planned, the MRL Team will work in BGP up to December 2019. During this time MRL Team will continue supporting the implementing teams and the management with information on the status of WMOs and progress of BGP vis-à-vis its targets.

The MRL Team believes that collection of information about WMOs and data management should continue even beyond the project period. As they give their own information, the WMOs will update their own records and they will become aware of their own situation – their strengths and weaknesses, basing on which they can plan their future actions for further improvement; thus, it can contribute to their sustainability. For this reason, the MRL Team will seek to establish an arrangement for data collection and management for the period beyond BGP, where BWDB and WMOs will take the responsibility of data collection and management.

Table 11: Annual Work Plan of Monitoring, Reflection Learnign with timeline

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
1	Output data collection through WMG Tracker	1												
	- Data collection & data quality checking													
	- Analysis of data													
	- Sharing of results with polder teams													
	- Final Report													
2	Conducting participatory monitoring (PM) at WMG level	1												
	- PM data collection & data quality checking													
	- Analysis of PM results													
	- Sharing of results with polder teams													
	- Report on PM results													
3	Conducting participatory monitoring at WMA level	2												
	- Report on Participatory Monitoring - May 2019													
	- PM (Oct. 2019) data collection & data quality checking													
	- Analysis of participatory monitoring results													
	- Sharing of results with polder teams													
	- Report on results of PM at WMA level (Oct. 2019)													
4	Trends Watcher	1												
	- Collection of contributions for Trends Watcher													
	- Review of writings													
	- Printing													
5	Polder Dashboard	2												
	- Data collection for polder dashboard													
	-Data compilaation & analysis													

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
6	MIS and Dashboard	1												
	- Developing data entry format and auto reporting system for shortened WMG Tracker data													
	- Data collection by WMOs & data quality checking													
	- Uploading Blue Gold reports together with abstracts in server													
	- Handing over database													
7	WMG & CAWM Survey 2019	1												
	- Data collection													
	- Analysis & report writing													
8	WMG & CAWM Survey 2020	1												
	- Preparation for the survey (finalization of questionnaire and methodology)													
	- Data collection													
9	Endline Survey	1												
	- Preparation for the survey (finalization of questionnaire and methodology)													
	- Data collection													
10	Arrangements for future data collection and management	1												
	- Discussions and agreement with BWDB (CWM) and WMAs about arrangement for future data collection and management													
	- Orientation to WMOs on future data collection and management													
	- Simplifying/Shortening of WMG Tracker format													
	- Data collection by WMOs & sending data to server													
11	Half-yearly Report	1												
	- Half-yearly report of MRL Team													



S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
	- Coordination of half-yearly report													
12	Project final report	1												
	- Final report of MRL Team													

## 2.7 Innovation Fund

**Progress up to now June 2019:** 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. Innovations submitted to one of the two funds are expected to contribute to the outcome / results of the Blue Gold Program; the impact is expected to be mostly locally or regionally centred. Since its rollout in 2015, the Blue Gold Innovation Fund has completed 30 projects on water resource management and agricultural production and food security. BGIF currently has 7 projects currently under implementation, see detail activity plan. Some highlights from the period July 2018 to June 2019 addressing objectives of the previous Annual Plan:

- 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

With many project and activities conducted in 2018-2019, the BGIF has limited remaining budget left. We have spent and allocated to recent contracts a total amount of EUR 1.15 million for the Water Management Fund and EUR 1.21 million for the Productive Sector Fund. This implies that about EUR 89 thousand is left for signing new contracts under the BGIF.

### Lessons learnt

- With innovation projects, its almost natural that not all project activities will be implemented according to those designed in the project proposal. It requires adaptive management capacities both from project implementers and from fund managers. There are extremes on either side with allowing for too little change (ridged and unable to act towards opportunities and threats) and too much change (loose of focus and missing out on objectives). With contract addendums we have tried to find a middle way, where we accommodate wishes of the project teams to alter their activities, but we capture this in a formal document to make sure the change is well thought out (with new payment conditions) and will be efficiently implemented.
- We have also seen indications of, what could be, an intentional overly ambitious and innovative approach to win the project funds, to later find out, through stakeholder consultation, that there is no willingness/capacity to adopt the innovative approach, preferring simpler and less innovative approaches, which also happen to be less expensive to develop. We have attempted to remediate this through strong negotiation and making sure that the original budget assigned to those innovative activities are still properly utilised. Later, we also included payment milestones in contracts where we addressed these 'soft spots' in the proposal to make sure project implementers achieve their ambitious milestones.
- Including and agreeing upon these payment milestones assures common understanding about outcome of BGIF projects, both from BGP and project implementers.

### 2019 - 2020 objectives

- Working towards a successful closure of the Blue Gold Innovation Fund.
- Gathering lessons learned of the Blue Gold Innovation Fund, extracting best practises and avoiding pitfalls.
- 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.

## 2019 - 2020 planned activities

- Conducting 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.

Table 12: Annual Work Plan of Innovation Fund with timeline

Sl. No.	Description of the Unified Work Process and Steps	Target	Partners Involvement							2019-20											
			BWDB	DAE	DoF/DLS	LGI	WMO	Zonal Team	Polder Team	J	A	S	O	N	D	Ja	F	M	A	M	J
01.	Breed Identification and Digital Registry of Cattle																				
02.	Accelerating horizontal learning in Bangladesh polders: ICT as force multiplier																				
03.	Leveraging decision making science to sustain climate- and market-smart mungbean advisories in Patuakhali's polder communities																				
04.	Sustaining sack farming practices through agro-met services in coastal polder areas of Bangladesh																				
05.	Development of value- added products from water hyacinth to support alternative livelihoods and ecological resilience in coastal villages of southwest Bangladesh																				
06.	Women business centers in waterlogged areas of South West Bangladesh Phase-III																				
07.	Sustainable Water Management through Indigenous Finance and Technology (SWIFT) Project for Phase-III																				

### 3. Annual Budget Estimate

S. N	Task name	Quantity	Budget BDT (Lakh)	Budget Euro (K) EUR: BDT 1: 92.5
<b>1</b>	<b>Equitable Water Management</b>			
1.1	Facilitate WMAs with support of polder team to identify inside/ outside resources	22	0.5	0.54
1.2	Support polder team to develop linkage between WMAs and different GO/NGO and Private agencies	22	0.5	0.54
1.3	Prepare O&M guideline for both WMOs and BWDB	1		
1.4	Organize O&M agreement signing ceremony	3	6.0	6.4
1.5	Organize upazila level catchment plan sharing workshop	13	20.0	21.62
1.6	Support polder team to organize sharing meeting with WMA about WRM activities at polder level	36	0.5	0.54
1.10	Support polder team to organize Horizontal Learning (HL)	40	3.6	3.89
1.11	<b>CAWM</b>			
1.11.1	Structures	60	96.0	103.78
1.11.2	Aman rice seed	21	10.5	11.35
1.11.3	Fertilizer	21	10.5	11.35
1.11.4	Crop cutting (Rice)	42	0.63	0.68
1.11.5	Rabi crop seed	21	10.5	11.35
1.11.6	Fertilizer	21	10.5	11.35
1.11.7	Crop cutting (Rabi crop)	42	0.63	0.68
1.11.8	Crop cutting festival	3	3.0	3.24
1.11.9	Farmer Field School (FFS)	14	13.3	14.37
1.11.10	Horizontal Learning	21	4.2	4.54
1.11.11	SAAO Coordination meeting	12	1.92	2.07
1.11.12	<b>Subtotal of CAWM</b>		<b>161.68</b>	<b>174.78</b>
1.12	<b>Small Scale Infrastructure for IPWM</b>		<b>200.0</b>	<b>21.62</b>
1.13	<b>Subtotal of EWM</b>		<b>392.78</b>	<b>424.62</b>
<b>2</b>	<b>Strengthen Value Chain</b>			
2.1	Workshops with DAE, DLS and DoF for sharing refocused TA FFS	2	5.0	5.40
2.2	Sharing event with DAE, DLS and DoF for other relevant interventions (process and impact)	2	3.0	3.24

S. N	Task name	Quantity	Budget BDT (Lakh)	Budget Euro (K) EUR: BDT 1: 92.5
2.3	Organize linkage building workshop with WMO and private sectors	4	6.0	6.49
2.4	Set demonstration/organize need based trainings of quality product from different private input companies using WMGs/RFs	10	8.0	8.65
2.5	RF capacity Building programs (Business planning/entrepreneurship development)	2	6.5	7.03
2.6	Value Chain development workshops- on postharvest management/quality of product/service marketing	2	3.0	3.24
2.7	Workshops/trainings for exploring value additional potential for RF and/or farmers	2	2.0	2.16
2.8	Demonstration for CII (including FFD, HL)	TBD	5.0	5.40
2.9	Extend support to IF projects and HL events	TBD	1.5	1.62
2.10	RF market visits/BGP impact assessment (consolidating SVC successes)/ need based trainings	TBD	5.0	5.40
2.11	<b>Subtotal of SVC</b>		<b>45.0</b>	<b>48.63</b>
<b>3</b>	<b>Water Resource Management</b>			
3.1	Embankment Re-sectioning	87.45 km	1282.78	1,386.79
3.2	Embankment Retirement	17.34 km	1367.672	1,478.56
3.3	Canal Re-excavation	404.53 km	1831.67	1,980.18
3.4	Repair of Sluice	131 nos.	1921.896	2,077.73
3.5	Repair of Outlet/ Inlet	45 nos.	266.79	288.42
3.6	Construction of Sluice	28 nos.	4347.36	4,699.85
3.7	Construction of Outlet	17 nos.	1017.93	1,100.46
3.8	Construction of Inlet	6 nos.	103.34	111.72
3.9	Construction of Culvert	30 nos.	567.48	613.49
3.10	Pump Shed & Stilling Basin	6 nos.	5.31	5.74
3.11	Low Cost Bank Protection Work	LS	538.04	581.66
3.12	Rehabilitation of Interior Dike	20.7 km	96.00	103.78
3.13	Closure/ Cross-bundh	-	-	-
3.14	Supply of Drain Pipes	9000 m	256.00	276.76
3.15	Flood Damage Repair & Breach Closing	LS	499.86	540.39
3.16	GoB O&M	LS	316.14	341.77
<b>3.17</b>	<b>Subtotal WRM</b>		<b>14,418.27</b>	<b>15,587.32</b>
<b>4</b>	<b>Monitoring, Reflection &amp; Learning (MRL)</b>			

S. N	Task name	Quantity	Budget BDT (Lakh)	Budget Euro (K) EUR: BDT 1: 92.5
4.1	Monitoring results (Participatory Monitoring at WMG and WMA levels & WMG Tracker) sharing meetings with polder teams	198	1	1.1
4.2	MIS Dashboard Development	1	6.7	7.2
4.3	Endline Survey	1	100	108.1
4.4	WMG & CAWM Survey	2	77.5	83.8
4.5	Printing of Trends Watcher	1	0.25	0.3
4.6	DAE data entry	1	1	1.1
4.7	Workshops with WMAs	1	3	3.2
4.8	Orientation to WMGs on future data collection and management	1,536	12.3	13.3
4.9	Training on the use of smartphones/tablets for data collection	72	0.5	0.5
<b>4.10</b>	<b>Subtotal of MRL</b>		<b>202.25</b>	<b>218.6</b>
<b>5</b>	<b>Training, Communication and Horizontal Learning</b>			
<b>5.1</b>	<b>Training</b>			
5.1.1	O&M Catchment Plan			
5.1.1.a	Training on O&M catchment Planning Process for O&M sub-committee Members	4	10.0	10.81
5.1.1.b	WMG O&M plan preparation by O&M sub-committee	179		0
5.1.1.c	Training on Gate O & M for gate operator (2nd & 3rd Phase polders) Polder wise	11	2.2	2.37
5.1.2	Catchment O&M Plan finalization and validation workshop (3rd phase polders) WMA wise	9	0.67	0.72
5.1.3	WMA capacity building using experiential learning approach		0	0
5.1.4	Workshop on Development Partnership for Implementing O&M Plans	12	30.0	32.43
5.1.5	O&M Agreement Signing Ceremony	3	4.8	5.18
5.1.6	Rabi Season Planning Workshop for CAWM Area	3	3.9	4.21
5.1.7	Crop Water Management Plan in CAWM area by the WMA/O&M Sub Committee Members	21	0	0
5.1.8	Organizing seminar to disseminate BGP achievements, learning and experiences (zonal & national level)	3	9.0	9.72
<b>5.1.9</b>	<b>Subtotal of Training</b>		<b>60.57</b>	<b>65.48</b>
<b>5.2</b>	<b>Communication &amp; HL</b>			
<b>5.2.1</b>	Drama named Pani Byabosthaponay Amra (We are for water management)	60	12.60	13.67
<b>5.2.2</b>	Drama on business orientation and Gender issue	30	6.30	6.83
<b>5.2.3</b>	National TV news (highlight the success of BGP intervention)	15	0.75	0.81

S. N	Task name	Quantity	Budget BDT (Lakh)	Budget Euro (K) EUR: BDT 1: 92.5
5.2.4	Video screening	180	1.80	1.95
5.2.5	BGP BARTA	5	2.60	2.82
5.2.6	Case study	50	0.50	0.54
5.2.7	Poster	3	0.75	0.81
5.2.8	Compilation of success stories (contained top 100 stories from BGP intervention)	100	1.00	1.08
5.2.9	Festoon on O&M activities, market orientation, Gender issue, CII, CAWM	75	5.78	6.26
5.2.10	Signboard on operation and maintenance of sluice gate and other water management infrastructures	100	0.80	0.87
5.2.11	Mela	3	1.50	1.63
5.2.12	Crop cutting festival	5	2.50	2.71
5.2.13	Other festival	3	1.50	1.63
5.2.14	Organize horizontal learning event	90	14.40	15.62
5.2.15	Identification of good practices jointly with zonal team and documentation accordingly	50	0.50	0.54
5.2.16	Demonstration of communications materials during AGM of WMA	22	2.20	2.39
5.2.17	<b>Subtotal of Communication &amp; HL</b>		<b>55.48</b>	<b>60.16</b>
5.3	<b>Subtotal of Training, Communication &amp; HL</b>		<b>116.05</b>	<b>125.64</b>
6	<b>Innovation Fund</b>			
6.1	United Purpose: Women Business Centers, <i>phase III</i>	1	28.8	31.14
6.2	United Purpose: Sustainable Water Management Finance & Technology, <i>phase III</i>	1	49.96	54.01
6.3	mPower: Breed Identification and Digital Registry of Cattle	1	136.63	147.71
6.4	MetaMeta: Accelerating Horizontal Learning in Bangladesh Polders: ICT as Force Multiplier	1	119.45	129.14
6.5	CIMMYT: Leveraging decision-making science to sustain climate- and market-smart mungbean advisories in Patuakhali's polder communities	1	122.53	132.46
6.6	Khulna University: Development of value-added products from water hyacinth	1	43.48	47.01
6.7	Practical Action: Sack farming	1	47.67	51.54
6.8	Other innovation fund projects	1-2	82.33	89
6.9	<b>Subtotal of innovations</b>	<b>7-8</b>	<b>636.1</b>	<b>670.9</b>
7	<b>Gender Mainstreaming</b>			
7.1	Gender and leadership development training with WMG Through CYS	400	0.4	0.43
7.2	Gender and leadership development training with WMA	105	1.05	1.13
7.3	Women empowerment through HLP	8	2.4	2.59



S. N	Task name	Quantity	Budget BDT (Lakh)	Budget Euro (K) EUR: BDT 1: 92.5
7.4	Joint workshop with UP & BGP on women empowerment	4	1.00	1.08
7.5	Training on market linkage development and women empowerment	5	2.00	2.16
7.6	IWD celebration with UP & WMA	35 events	1.75	1.89
7.7	Small book publication on women empowerment	100	3.00	32.43
<b>7.8</b>	<b>Total Budget for gender mainstreaming</b>		<b>11.6</b>	<b>41.71</b>
	<b>Sub Total (Cluster 1 - 7)</b>		<b>15822.05</b>	<b>17117.42</b>
	<b>Miscellaneous (7%)</b>		<b>1107.544</b>	<b>1198.219</b>
	<b>Total</b>		<b>16929.59</b>	<b>18315.64</b>

## Annex A: Infrastructure Works

Rehabilitation Work Progress for 2018-19 is shown below:

Sl. No	Works	Contract Amount	Total Work (km/nos.)	Completed Works	On-going Works	Progress of On-going Works	% Total Progress	Overall Progress % (2018- 19)
1	Embankment Re-sectioning	97,492,590	70.56	28.95	41.61	45%	71%	<b>49%</b>
2	Embankment Retirement	34,636,464	8.835	0.4	8.44	36%	39%	
3	Canal Re-excavation	396,663,026	240.11	25.74	214.37	54%	59%	
4	Repair of Sluice	109,170,134	55	5	50	47%	52%	
5	Repair of Outlet/ Inlet	-	-	-	-	-	-	
6	Construction of Sluice	398,261,409	16	-	16	32%	32%	
7	Construction of Outlet	68,661,528	10	-	10	27%	27%	
8	Construction of Inlet	-	-	-	-	-	-	
9	Construction of Culvert	18,400,602	8	2	6	39%	55%	
10	Pump Shed & Stilling Basin	2,847,011	3	-	3	7%	7%	
11	Low Cost Bank Protection Work	10,457,674	0.48	0.48	-	-	100%	
12	Rehabilitation of Interior Dike	4,913,611	0.30	0.30	-	-	100%	
13	Closure/ Cross-bundh	2,139,024	0.135	0.135	-	-	100%	
14	Supply of Drain Pipes	-	-	-	-	-	-	
15	Flood Damage Repair & Breach Closing	11,817,936	1.40	1.40	-	-	100%	

## Annex B: Khulna Zonal Plan

### Annual work plan of Khulna Zone

#### Progress to end-June 2019

- 11 WMGs and 4 WMAs have been formed during reporting period;
- 11 WMGs have been registered by the Office of the Dy. Chief Extension Officer, BWDB, Jashore;
- In 23<sup>rd</sup> September, 2018, O&M Agreement have been signed in between 6 WMAs (1<sup>st</sup> and 2<sup>nd</sup> phasing out 5 Polders);
- 30 Catchment O&M Sub-Committees have formulated and implemented Catchment O&M plan in 1<sup>st</sup> phasing out Polders;
- Blue Gold Program facilitated 162 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 4050 members were trained on improved production technologies and market orientation.
- In the reporting period, 12.227 Km embankment re-sectioning and 0.66 Km retired embankment completed, 8 sluices were repaired, 4 new sluices were constructed, 44.402 Km khal re-excavation completed.
- 8 Community led Agriculture Water Management (CAWM) were implemented covering 8 WMGs, 169.18 ha of land and 873 farmers;
- 9 Cropping Intensity Initiative (CII) were implemented covering 9 WMGs, 2024 ha of land and 105 farmers;
- Conducted 3 nos. CAWM Planning Workshop involving SAAOs and Upazila/District level Officers;
- 33 WMGs were awarded Small-Scale Water Management Infrastructures (SSWMI) scheme which are almost completed;
- WMGs have collected Savings of Tk. 37,69,883/-, O&M fund Tk. 197, 272/- and Misc. Tk. 47,77,901/-
- WMGs have cleaned water hyacinth, removed silt from khals, manufacture wooden box culvert, cross dam made in dry period and remove in the monsoon for proper water management;
- WMGs were involved in collective action, e.g., purchase T. Aman seed, water melon seed, vegetable seed etc.

#### Lessons learnt

- Excess water needs to be drain out within 1<sup>st</sup> week of November, there would create an opportunity to cultivate additional crop;
- Collective action saves money and time
- Crop synchronizing is necessary for water and pest management;
- Proper guidance to WMOs is most important for extension of good practices
- Community led Agriculture Water Management (CAWM) and CII would help to motivate farmers to cultivate HYV crop and efficient water management.
- SSWMI schemes are very important for drain out water at sub-catchment level

## 2019 / 2020 Objectives

- Signing of O&M Agreement has empowered WMA to formulate and implement Catchment O&M plan and created opportunities for proper maintenance of water management infrastructures; Review Program activities and take necessary action according to available resources;
- Ensuring quality work of polder level activities;
- 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 and Private Sectors.

## 2019-2020 Planned Activities

Planned activities	Why we'll do
Review the progress of Polder Team's activities and provide necessary support	Progress review and take responsibility for action
Coordinate and communicate with concerned Authority about signing O&M Agreement	Handover the responsibility of WRM infrastructures to the WMAs
Upazila level workshop on O&M agreement/ water management	Linkage development between WMOs and GO/NGO/Private sector
Polder Health Check	Checking functionality of WMGs
Facilitate WMAs to identify internal and external resources, mobilize and proper utilization of fund	Fund generation for O&M activities
Facilitate to develop WMA capacity in conducting Participatory Monitoring	Functionality of WMO
Assist WMA to identify best practices at polder level and dissemination	Disseminate best practices
Assist and support polder team to analyse the capacity of WMA, identify problems, its solution and implementation	For functional WMAs
Identify the capacity of the Team members (polder team), integrate their individual strengths to develop a strong and effective team	To implement all activities efficiently and effectively
Attend regular and general meetings of WMGs/WMAs	To assess present situation of WMOs and exploring its areas of improvement
Assist to develop operational guidelines for O&M	Effective use of resources
Keep up date Polder wise complete and on-going work list of water management infrastructures	To aware about infrastructural activities
Assist WMA to establish a functional linkage and coordination with different organizations	To get support for different activities
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

## Annual Work Plan of Khulna Zone with timeline

Sl. No.	Task Name	Target	2019-20											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
1	Review the progress of Polder Team's activities and provide necessary support	As require	X	X	X	X	X	X	X	X	X	X	X	X
2	Coordinate and communicate with concerned Authority about signing O&M Agreement	As require	X	X	X									
3	Polder Health Check	11X2	X	X	X	X	X	X	X	X	X	X	X	X
4	Facilitate WMAs to identify internal and external resources, mobilize and proper utilization of fund	As require	X	X	X	X	X	X	X	X	X	X	X	X
5	Facilitate to develop WMA capacity in conducting Participatory Monitoring	As require	X		X			X			X			X
	Conduct Upazila level workshop on O&M agreement and water management	2		X	X									
6	Assist WMA to identify best practices at polder level and dissemination	As require	X	X	X	X	X	X	X	X	X	X	X	X
7	Assist and support polder team to analyse the capacity of WMA, identify problems, its solution and implementation	As require	X	X	X	X	X	X	X	X	X	X	X	X
8	Identify the capacity of the Team members (polder team), integrate their individual strengths to develop a strong and effective team	As require	X	X	X	X	X	X	X	X	X	X	X	X
9	Attend regular and general meetings of WMGs/WMA	As require	X	X	X	X	X	X	X	X	X	X	X	X
10	Assist to develop operational guidelines for O&M	As require	X	X	X	X	X	X						
11	Keep up date Polder wise complete and on-going work list of water management infrastructures	As require	X	X	X	X	X	X	X	X	X	X	X	X
12	Assist WMA to establish a functional linkage and coordination with different organizations	As require	X	X	X	X	X	X	X	X	X	X	X	X
13	SVC Group Strategic Workshop	1					X	X						
14	Sharing workshop with DAE/DLS/DoF	1					X	X						
15	Input Trader Capacity Building Training	1	X											
16	Video Screening on good practices	100	X	X	X	X	X	X	X	X	X	X	X	X
17	Drama show in the phase out polder	25			X	X	X	X	X	X	X			

## Polderwise Annual Work Plan of Khulna

### Phasing-out Polders

## B.1 Polder 22

### Progress to end-June 2019

#### Organizational Management:

- O&M Agreement has been signed in between WMA and Executive Engineer, Khulna O&M Division 2 on 23<sup>rd</sup> September, 2018
- 12 WMGs and one WMA has successfully completed Annual General Meeting and discuss on catchment plan, WMG action plan and FFS by DAE.
- WMA has facilitated catchment sub-committee to prepare O&M plans
- 03 Catchment sub-catchment committees formed successfully with the help of WMA

#### Water Resources Management

- BWDB start total 06 km re excavation of Dihibura Khal and Kalinagor, Horinkhola, Durgapur and Darunmollick WMGs will get benefit for Aman and Robi season. This re excavated canal will create a tremendous improvement in water management;
- During the reporting period 5 WMG has completed SSWMI works;
- 02 WMGs participated in Kalinagor embankment emergency repairing works and UP also helped WMA to protect Kalinagor embankment during Fani on 3/4 May, 2019. UP provide 80 labor for 07 days, sand and plastic bags for protection of Kalinagor embankment.

#### Agriculture and Economic Development

- 05 WMGs has taken part in Watermelon seed collective action and they purchased 15 kg T- Amon rice seed from the Syngenta and AR Malick seed company retailer's as collective action;
- 10 FFS on Aman Rice and 4 FFS on watermelon completed by DAE and 700 farmers got training on improved production technology and market orientation;
- Out of 04 demonstration, 02 vegetables demonstration on Bottole gourd set up by Lal Teer seed company and 01 Sweet gourd and 01 Chilli demonstration set up by Metal Seed company successfully;

#### Lessons learnt

- Through O & M agreement signing with BWDB, WMA has empowered to implement Catchment plans and create opportunities for proper maintenance of water infrastructure.
- Networking with different stakeholder's (UP, BWDB, DAE, DLS, DoF and input suppliers) create enabling environments for polder dweller for more production and more profit.
- The catchment committee started their activities in polder water management. As a result, benefits of repair embankment, sluice and re-excavation of khal are available at the polder areas.

#### 2019 / 2020 Objectives

The polder 22 is the 1<sup>st</sup> phase out polder. The main objectives of the polder team are for the year 2019-2020 as follows:

- To make the water management activities sustainable and proper water management can be established by functional WMG and WMA.
- All the water management infrastructure must be under appropriate maintenance through participatory water management rule's which will ensure the proper water management for Polder dwellers.

- Linkage with different stakeholder should be more efficient and stronger than earlier. Resource Farmer, Contact farmer, Farmer Trainers can contribute more efficiently for firm production and income.
- Knowledge, skill, attitude, management and leadership quality of the members of catchment sub-committee, WMG members will be improved. They can review the catchment level plan for proper water management and also implement the plan by themselves.

### 2019-2020 Planned Activities

Planned activities
Capacity development of WMA different aspect, assist Catchment O&M Committee to formulate, review and implement the catchment plan
Follow up Annual General Meeting of WMGs/WMA
O&M fund raising
Assist to operate collective IGA in WMGs and monitor individual IGAs in WMG level
Follow up and monitor individual IGA in WMG level
Follow up WMG Action Plan formulation, review and implementation
Polder Coordination Meeting
Need based capacity building of WMA
Phasing out meeting with all WMGs to explain the sustainability of activities and their role.
Follow up and monitor individual IGA in WMG level
Assist WMG`s to link with line agencies (DAE, BARI, BRRI etc.) for technical support on new crops to improve cropping system
Assist WMG members for collective input purchase and sell
Assist producer groups under WMOs in network and linkage building among private sectors and business man
Assist WMG`s to link with line agencies (DAE, BARI, BRRI etc.) for technical support on new crops to improve cropping system
Assist WMG members for collective input purchase and sell
Assist producer groups under WMOs in network and linkage building among private sectors and business man

## Annual Work Plan of Polder 22 with timeline

Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>1.0</b>	<b>Organizational Management</b>													
1.1	Monitor WMGs to formulate, review and implement of Annual Action Plan (WAP) and assist where needed	12	X	X	X	X	X	X	X	X	X	X	X	X
1.2	Participate in Annual General Meetings (AGM) of WMG	12	X	X									X	X
1.3	Facilitate WMGs to invest saving as IGAs	12	X	X	X	X	X	X	X	X	X	X	X	X
1.4	Assist WMGs for raising O&M fund and its proper use	12	X	X	X	X	X	X	X	X	X	X	X	X
1.5	Assist WMGs to prepare for EC election	1	X	X	X									
1.6	Motivate WMGs to continue their records keeping as before	12	X	X	X	X	X	X	X	X	X	X	X	X
1.7	Participate Annual General Meetings (AGM) of WMA	2	X	X										X
1.8	Assist WMA to identify internal and external resources for raising fund	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.9	Assist WMAs to build up linkage and networking with BWDB, DAE, DLS, DOF and other Go/NGO and Private Sectors for their own interest	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.10	Facilitate Catchment O&M Sub-Committees for implementing O&M plan	3	X	X	X	X	X	X	X	X	X	X	X	X
1.11	Assist WMA to formulate, review and implement of Annual Action Plan (WAP)	1	X	X	X	X	X	X	X	X	X	X	X	X
1.12	Assist WMA to prepare for EC election	1						X	X	X				
1.13	Assist WMA to maintain books and records properly	1	X	X	X	X	X	X	X	X	X	X	X	X
1.14	Motivate WMA to established WMA office	1	X	X	X	X	X	X	X	X	X	X	X	X
1.15	Review and follow-up the implementation progress of O&M Agreement and provide support to take necessary action	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.16	Assist and motivate WMA to develop internal coordination among the WMGs and their leaderships	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.17	Facilitate and provide necessary information and idea to WMA to get the occupancy of unused resources of BWDB from concerned govt. authority	Need base	X	X	X	X	X	X	X	X	X	X	X	X



Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
1.18	Facilitate and capacitate WMAs to monitor WMG's activities	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.19	Assist WMA to identify good practices and organise HL events	Need base	X	X	X	X	X	X	X	X	X			
1.20	Assist WMGs to operate collective action (CA)	12	X	X	X	X	X	X	X	X	X	X	X	X
1.21	Organize monthly Polder Coordination Meeting and review the progress of all activities	2	X	X										
1.22	Organize Horizontal Learning (HL)	4			X	X								
1.23	Develop Documentation/ Video on Good practices	Need base	X	X	X	X	X							
<b>2.0</b>	<b>Water Resource Management</b>													
2.1	Retired embankment at Kalinagar 2.00 km to 2.550km	0.55							X	X	X	X	X	X
2.1	Dissemination of infrastructural progress to the WMA meeting	1	X											
<b>3.0</b>	<b>Agriculture and Economic Development</b>													
3.1	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1					X							
3.2	Vegetables demonstration by Private Sector (No.)	4				X	X							
3.3	Training on post-harvest management of Vegetables for Resource Farmers (Batch)	1		X										
3.4	Linkage building meeting/workshop among Vegetables arottdar and Resource Farmers (No.)	1		X										
3.5	Refresher training of trained input retailers and linkage building with WMA (Batch)	1								X				X
<b>4.0</b>	<b>Gender Mainstreaming</b>													
4.1	Coutyard session on Gender and Leadership	48	X	X	X	X	X	X	X	X	X	X	X	X
<b>5.0</b>	<b>Training and Communication</b>													
5.1	Video screening on good practices	2			X	X	X							
5.2	Case study/ Good practices	Need base		X	X	X	X	X	X	X	X	X	X	X

Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>6.0</b>	<b>Monitoring Reflection and Learning</b>													
6.1	Facilitate WMGs to continue performing Participatory Monitoring	12				X						X		
6.2	Facilitate WMA to perform Participatory Monitoring	12				X			X			X		
6.3	Facilitate WMA to continue performing Participatory Monitoring	2				X						X		
6.4	Impact Monitoring Surveys (No.)	1						X						X
6.5	Sharing of and reflection on monitoring results (No.)	12	X				X						X	

## B.2 Polder 26

Progress to end- June 2019

### Organizational Management

- O&M Agreement has been signing on 23<sup>rd</sup> September, 2018 between Shakhabei Khal Water Management Association and Executive Engineer, Khulna O&M Division-2;
- WMA has started their activities and taking responsibilities according to the O&M agreement;
- 6 Catchment O&M sub- catchment committees have been formed and the sub-committees are successfully implementing their plan with the help of WMA;
- 12 WMG and Polder level WMA completed Annual General meeting.

### Water Resources Management

- Embankment re-sectioning work completed 0.17 km;
- Re-excavation of khal has been completed 2.61 km;
- One sluice repairing completed;
- Three WMGs have excavated 220-meter field channel and other 3 WMGs have removed silt of about 212 meters that helps in proper water management;
- Dakhin Chingra WMG removed the water hyacinth of about 200-meter areas in Chingra kodol kata khal. Kakmari and Dakhin Chingra WMG repaired embankment of 200 meters of length with the help of UP. In the polder areas 3 WMG successfully; cleaned fishing net, cross dam and artificial obstacle for proper water management;
- During the reporting period 3 WMG has started SSWMI works and others 3 WMGs will start soon.

### Agriculture and Economic Development

- 6 WMGs has procured 1800 kg T. Amon rice seed from the BADC as collective action;
- Increased HH income by the cultivation of vegetables and rearing poultry, beef fattening which also play a vital role to meet up nutrition requirement of the family;
- The members of 3 WMG communicated with Nursery, procured and planted a total of 600 lemon saplings in their homestead areas;
- All WMG planted 6500 nos. Moringa cutting and they earned about tk. 19, 15,000/- by selling Moringa;
- Molmolia WMG has implemented “BINA Dhan 17 demonstration” by 3 farmers in 3 acres of land. BINA provided rice seed and fertilizers to the farmers. Farmers are happy to get the yield of rice (6.00 MT per acre);

### Lessons learnt

- After signing the O & M agreement with BWDB, WMA has a momentum to assist WMG in different activities. Network has increased with UP, BWDB, DAE, DLS, DoF and input suppliers;
- The WMG members are getting benefit by the re excavation of khal, construction of sluice and re-sectioning of embankment;
- The catchment committee started their activities in polder water management. As a result, benefits of repair embankment, sluice and re-excavation of khal are available at the polder areas;
- If the WMG and WMA have good relation, and network with UP, then the WMG gets helps from UP.

### 2019 / 2020 Objectives

The polder 26 is the 1<sup>st</sup> phase out polder. The main objectives of the polder team are for the year 2019-20 as follows:

- To make the polder activities sustainable; will be established functional WMG and WMA so that they will lead the activities;
- All the completed infrastructure will be given most emphasis on the appropriate maintenance which will ensure the proper water management;
- Improve performance of the WMGs;
- Capacity development of WMA;
- Single cropped areas will turn to the double and double area in to triple cropped areas by introducing short duration high yielding crops/varieties which will increase the cropping intensity;
- Knowledge, skill, attitude, management and leadership quality of the members of catchment sub-committee will be improved. They will review the catchment level plan for proper water management and implement plan. The gate operators will operate the gate to maintain proper management of all sluices;
- Promote collective action, business plan and linkage with private sectors;
- Linkage will be establishment among CF, FT, and market actors. Establish strong relations with UP, WMGs/WMA, BWDB, DAE, DLS, DoF.

## Annual Work Plan of Polder 26 with timeline

SI	Task Name	Target	2019						2020					
			July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A</b>	<b>Organizational Management</b>													
1	Monitor WMG to formulate, review, implement and update of WMG Action Plan	15	X	X	X	X	X	X	X	X	X	X	X	X
2	Assist WMGs to raise O & M fund and its proper use	15	X	X	X	X	X	X	X	X	X	X	X	X
3	Participate in Annual General meeting of WMGs	30	X	X									X	X
4	Facilitate WMGs to invest saving as IGAs	10	X	X	X	X	X	X	X	X	X	X	X	X
5	Assist WMA to organize their bi monthly meeting	6	X		X		X		X		X		X	
6	Assist WMA to organize half yearly meeting	1						X						
7	Assist catchment committee to review and implement the catchment plan	6	X	X	X	X	X	X	X	X	X	X	X	X
8	Assist WMGs to prepare for EC election	3	X	X										
9	Motivate WMGs to continue their records keeping as before	15	X	X	X	X	X	X	X	X	X	X	X	X
10	Participate Annual General Meetings (AGM) of WMA	1	X											X
11	Assist WMA to identify internal and external resources for raising fund	Need base	X	X	X	X	X	X	X	X	X	X	X	X
12	Assist WMAs to build up linkage and networking with BWDB, DAE, DLS, DOF and other Go/NGO and Private Sectors for their own interest	Need base	X	X	X	X	X	X	X	X	X	X	X	X
13	Assist WMA to formulate, review and implement of Annual Action Plan (WAP)	1	X	X	X	X	X	X	X	X	X	X	X	X
14	Assist WMA to prepare for EC election	1				X	X	X						
15	Assist WMA to maintain books and records properly	Need base	X	X	X	X	X	X	X	X	X	X	X	X
16	Motivate WMA to established WMA office	1	X	X	X	X	X	X	X	X	X	X	X	X
17	Review and follow-up the implementation progress of O&M Agreement and provide support to take necessary action	Need base	X	X	X	X	X	X	X	X	X	X	X	X
18	Assist and motivate WMA to develop internal coordination among the WMGs and their leaderships	15	X	X	X	X	X	X	X	X	X	X	X	X
19	Facilitate and provide necessary information and idea to WMA to get the occupancy of unused resources of BWDB from concerned govt. authority	Need base	X	X	X	X	X	X	X	X	X	X	X	X
20	Facilitate and capacitate WMAs to monitor WMG's activities	15	X	X	X	X	X	X	X	X	X	X	X	X

SI	Task Name	Target	2019						2020					
			July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
21	Assist WMA to identify good practice and its expansion	Need base	X	X	X	X	X	X	X	X	X	X	X	X
22	Organize polder coordination meeting	12 nos.	X	X										
23	Observation of International Women's Day	1 no.									X			
24	Conduct court yard meeting on gender issues	30	X	X	X	X	X	X	X	X	X	X	X	X
25	Assist WMA to form monitoring committee and monitor its activities by WMA	1						X	X	X	X	X	X	X
26	Assist WMA to mobilize WMGs	15	X	X	X	X	X	X	X	X	X	X	X	X
27	Observation of disaster preparedness week.	2				X						X		
28	Phasing out meeting with all WMGs to explain the sustainability of activities and their role	15					X	X						
<b>B Water Resources Management</b>														
1	Construction of culvert	2 nos.						X	X	X	X	X	X	X
2	Disseminate of information of WRM work in polder in the WMA meeting								X					
3	Supply of drainage pipe	200 m				X	X	X	X	X	X	X		
<b>C Agriculture and Economic Development</b>														
1	Introduce new technology of agriculture and market development	10	X	X	X	X	X	X	X	X	X	X	X	X
2	Assist private sectors to set up demonstration of new variety of vegetables	5	X	X	X	X	X	X	X	X	X	X	X	X
3	Meeting with WMGs to Promote Collective action.	15	X	X	X	X	X	X	X	X	X	X	X	X
4	Linkage meeting between CF/FT (DAE)& market actors	15	X	X	X	X	X	X	X	X	X	X	X	X
5	Facilitate networking and partnerships.	5	X	X	X	X	X	X	X	X	X	X	X	X
<b>D Monitoring Reflecting and Learning</b>														
1	Assist and motivate WMGs to continue their participatory monitoring	15				X					X			
2	Assist WMA to conduct participatory monitoring	1						X						
3	Prepare WMGs tracker	15				X			X			X		
4	Result sharing with polder team	2			X					X				
<b>E Training and Communication</b>														
1	Video Screening on good practices	3					X	X						
2	Organize Horizontal Learning (HL) on good practices	4	X				X							

## B.3 Polder- 30

### Progress to end-June 2019

#### Organizational Management

- O&M Agreement has been signed in between Batiaghata Khal Water Management Association and Executive Engineer, Khulna O&M Division 2, BWDB, Khulna on 23<sup>rd</sup> September, 2019;
- 10 Catchment O&M Sub-Committees have formulated and executed catchment O&M plan;
- 40 WMGs and one WMA have organised AGM;
- WMGs have been collected Savings Tk. 10,78,823/- O&M fund Tk. 27,428/- and Misc. Tk. 26,86,656/-;

#### Water Resources Management

- Nine SSWMI schemes were awarded and has been completed their work;
- 0.23 Km embankment re-sectioning has completed;

#### Agriculture and Economic Development

- Watermelon area expanded at 16 WMGs of cultivated land 375 ha due to khal re-excavation and proper water management;
- Made cross dam near different sluices to reserve fresh water;
- Dragon fruit cultivation is expanding in polder areas.

#### Lessons learnt

- There is no other alternative than functional WMA to lead the WMGs in right track and sustain their functionality but to keep the WMA functional is a great challenge in absence of Blue Gold Program;
- The strong organizational committee can hold a functional WMG where the members of the WMG get the equal benefit. Otherwise a WMG cannot sustain. But in maximum cases the weakness of organizational committee is found which is another threat for functionality and sustainability as well of WMGs;
- The activities through which members of WMG getting direct benefit are sustaining; e.g. beef fattening, poultry rearing through improved technology. Some collective actions sustain through which the members of WMG get benefit;
- Fund creation and income generating activities within the WMG is essential for its sustainability;
- Blue Gold program should give more emphasis to capacitate the WMGs to create fund and involve in IGA as giving emphasis to structural activities.

#### 2019 / 2020 Objectives

It's a 1<sup>st</sup> phase-out Polder. Objectives of this planning are as follows:

- Promote functionality of WMA and WMGs;
- Assist the WMA and WMGs to implement their annual action plan;

Establish strong relations with UPs, WMGs, BWDB and DAE officials as well as private sectors.

## Annual Work Plan of Polder 30 with timeline

Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>1.0</b>	<b>Organizational Management</b>													
1.1	Monitor WMGs to formulate, review and implement of Annual Action Plan (WAP) and assist where needed	40	X	X	X	X	X	X	X	X	X	X	X	X
1.2	Participate in Annual General Meetings (AGM) of WMG	40	X	X									X	X
1.3	Facilitate WMGs to invest saving as IGAs	40	X	X	X	X	X	X	X	X	X	X	X	X
1.4	Assist WMGs for raising O&M fund and its proper use	40	X	X	X	X	X	X	X	X	X	X	X	X
1.5	Assist WMGs to prepare for EC election	40								X	X	X	X	X
1.6	Motivate WMGs to continue their records keeping as before	40	X	X	X	X	X	X	X	X	X	X	X	X
1.7	Participate Annual General Meetings (AGM) of WMA	1	X											X
1.8	Assist WMA to identify internal and external resources for raising fund	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.9	Assist WMAs to build up linkage and networking with BWDB, DAE, DLS, DOF and other Go/NGO and Private Sectors for their own interest	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.10	Facilitate Catchment O&M Sub-Committees for implementing O&M plan	10	X	X	X	X	X	X	X	X	X	X	X	X
1.11	Assist WMA to formulate, review and implement of Annual Action Plan (WAP)	1	X	X	X	X	X	X	X	X	X	X	X	X
1.12	Assist WMA to prepare for EC election	1								X	X	X		
1.13	Assist WMA to maintain books and records properly	1	X	X	X	X	X	X	X	X	X	X	X	X
1.14	Motivate WMA to established WMA office	1	X	X	X	X	X	X	X	X	X	X	X	X
1.15	Review and follow-up the implementation progress of O&M Agreement and provide support to take necessary action	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.16	Assist and motivate WMA to develop internal coordination among the WMGs and their leaderships	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.17	Facilitate and provide necessary information and idea to WMA to get the occupancy of unused resources of BWDB from concerned govt. authority	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.18	Facilitate and capacitate WMAs to monitor WMG's activities	Need base	X	X	X	X	X	X	X	X	X	X	X	X



Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
1.19	Assist WMA to identify good practices	Need base	X	X	X	X	X	X	X	X	X			
1.20	Assist WMGs to operate collective action (CA)	40	X	X	X	X	X	X	X	X	X	X	X	X
1.21	Organize monthly Polder Coordination Meeting and review the progress of all activities	2	X	X										
1.22	Organize Horizontal Learning (HL)	5			X	X								
1.23	Develop Documentation/Vedio on Good practices	Need base	X	X	X	X	X							
2.0	<b>Water Resource Management</b>													
2.1	Re-excavation of khals (km)	7.4							X	X	X	X	X	X
	Construction of new sluices (No.)	1												
2.1	Dissemination of infrastructural progress to the WMA meeting	1	X	X	X	X	X	X	X	X	X	X	X	X
3.0	<b>Agriculture and Economic Development</b>													
3.1	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1					X							
3.2	Vegetables demonstration by Private Sector (No.)	4				X	X							
3.3	Training on post-harvest management of Vegetables for Resource Farmers (Batch)	1		X										
3.4	Demonstration on Boro Rice by Private sector (No.)	1						X						
3.5	Linkage building meeting/workshop among Vegetables arotdar and Resource Farmers (No.)	1		X										
3.6	Workshop with WMO to promote collective action, business planning and linkage with stake holder (No.)	1			X									
3.7	Refresher training of trained input retailers and linkage building with WMA (Batch)	1								X				X
4.0	<b>Gender Mainstreaming</b>													
4.1	Observe International Women's day	1									X			
4.2	Conduct courtyard session on Gender and Leadership	40	X	X	X	X	X	X	X	X	X	X	X	X
5.0	<b>Training and Communication</b>													
5.1	Video screening on good practices	2			X	X	X							
5.2	Case study/ Good practices	Need base		X	X	X	X	X	X	X	X	X	X	X
6.0	<b>Monitoring Reflection and Learning</b>													
6.1	Facilitate WMGs to continue performing Participatory Monitoring	12				X						X		

Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
6.2	Facilitate WMA to perform Participatory Monitoring	12				X			X			X		
6.3	Facilitate WMA to continue performing Participatory Monitoring													
6.4	Impact Monitoring Surveys (No.)	1						X						X
6.5	Sharing of and reflection on monitoring results (No.)	12	X				X						X	

## B.4 Polder- 29

### Progress to upto now-June 2019

#### Organizational Management

- O&M Agreement has been signing on 23<sup>rd</sup> September, 2018 between Bakultola Sluice WMA & Chatchatia Sluice WMA and Executive Engineer, Khulna O&M Division-1, BWDB, Khulna;
- 11 Catchment O&M sub- catchment committees have been formed and the sub-committees are successfully implementing their plan with the help of WMAs;
- WMAs have started their activities and taking responsibilities according to the O&M agreement
- 56 WMGs formulated WMG Action Plan;
- 56 WMGs have been completed Annual General meeting.

#### Water Resources Management

- One sluice construction work has been completed;
- WMGs have cleaned water hyacinth of 15 Km of Khal, removed siltation of 1.5 Km khal/channel, removed 9 cross dams, removed net-patta 6.5 Km, on 3/4 May, 2019, 5 WMGs have taken initiative to protect embankment during Fani;
- 10 WMGs were awarded for SSWMI schemes. Out of 10 WMGs 08 WMGs signed agreement and completed their work.

#### Agriculture and Economic Development

- WMGs collectively purchased 4.291 m/tons of T. Aman seed, fertilizer 15.480 m/tons, and have sold 66.200 m/tons of rice.
- Dissemination the FFS learning and increase agricultural production.
- Two FFS was conducted by DAE about T. Aman rice, Homestead vegetables and Nutrition

#### Lessons learnt

- After signing the O&M agreement with BWDB, WMA has a momentum to assist WMG in different activities. Network has increased with UP, BWDB, DAE, DLS, DoF and input suppliers;
- The WMG members are getting benefit by the re excavation of khal, construction of sluice and re-sectioning of embankment;
- The catchment committee started their activities in polder water management. As a result, benefits of repair embankment, sluice and re-excavation of khal are available at the polder areas;
- If the WMG and WMA have good relation, and network with UP, then the WMG gets helps from UP.

#### 2019 / 2020 Objectives

- The polder 29 is the 1<sup>st</sup> phase out polder. The main objectives of the polder team are for the year 2019-20 as follows:
- To make the polder activities sustainable; will be established functional WMG and WMA so that they will lead the activities;
- All the completed infrastructure will be given most emphasis on the appropriate maintenance which will ensure the proper water management;
- Improve performance of the WMGs; □Capacity development of WMA;
- Single cropped areas will turn to the double and double area in to triple cropped areas by

introducing short duration high yielding crops/varieties;

- Knowledge, skill, attitude, management and leadership quality of the members of catchment sub-committee will be improved. They will review the catchment level plan for proper water management and implement plan. The gate operators will operate the gate to maintain proper management of all sluices;
- Promote collection action, business plan and linkage with private sectors;
- Linkage will be establishment among CF, FT, and market actors.
- Establish strong relations with UP, WMGs/WMA, BWDB, DAE, DLS, DOF.

## Annual Work Plan of Polder 29 with timeline

Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>1.0</b>	<b>Organizational Management</b>													
1.1	Monitor WMGs to formulate, review and implement of Annual Action Plan (WAP) and assist where needed	56	X	X	X	X	X	X	X	X	X	X	X	X
1.2	Participate in Annual General Meetings (AGM) of WMG	56	X	X									X	X
1.3	Facilitate WMGs to invest saving as IGAs	56	X	X	X	X	X	X	X	X	X	X	X	X
1.4	Assist WMGs for raising O&M fund and its proper use	56	X	X	X	X	X	X	X	X	X	X	X	X
1.5	Assist WMGs to prepare for EC election	2										X	X	X
1.6	Motivate WMGs to continue their records keeping as before	56	X	X	X	X	X	X	X	X	X	X	X	X
1.7	Participate Annual General Meetings (AGM) of WMA	2	X											X
1.8	Assist WMA to identify internal and external resources for raising fund	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.9	Assist WMAs to build up linkage and networking with BWDB, DAE, DLS, DOF and other Go/NGO and Private Sectors for their own interest	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.10	Facilitate Catchment O&M Sub-Committees for implementing O&M plan	11	X	X	X	X	X	X	X	X	X	X	X	X
1.11	Assist WMA to formulate, review and implement of Annual Action Plan (WAP)	2	X	X	X	X	X	X	X	X	X	X	X	X
1.12	Assist WMA to prepare for EC election	2							X	X	X			
1.13	Assist WMA to maintain books and records properly	1	X	X	X	X	X	X	X	X	X	X	X	X
1.14	Motivate WMA to established WMA office	2	X	X	X	X	X	X	X	X	X	X	X	X
1.15	Review and follow-up the implementation progress of O&M Agreement and provide support to take necessary action	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.16	Assist and motivate WMA to develop internal coordination among the WMGs and their leaderships	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.17	Facilitate and provide necessary information and idea to WMA to get the occupancy of unused resources of BWDB from concerned govt. authority	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.18	Facilitate and capacitate WMAs to monitor WMG's activities	Need base	X	X	X	X	X	X	X	X	X	X	X	X

Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
1.19	Assist WMA to identify good practices	Need base	X	X	X	X	X	X	X	X	X			
1.20	Assist WMGs to operate Collective Action (CA)	35	X	X	X	X	X	X	X	X	X	X	X	X
1.21	Organize monthly Polder Coordination Meeting and review the progress of all activities	2	X	X										
1.22	Organize Horizontal Learning (HL)	10			X	X								
1.23	Develop Documentation/Vedio on Good practices	Need base	X	X	X	X	X							
2.0	<b>Water Resource Management</b>													
2.1	Embankment re-sectioning (km)	2.1				X	X	X	X	X	X			
2.2	Re-excavation of khals (km)	4.338				X	X	X	X	X	X	X	X	
2.3	Constraction of new sluices (Nos.)	1				X	X	X	X	X	X	X	X	X
2.4	Repairing of inlet (Nos.)	2				X	X	X	X	X	X			
2.5	Repairing sluices (Nos.)	6				X	X	X	X	X	X			
2.6	Dissemination of infrastructural progress to the WMA meeting	1	X		X		X		X			X		
3.0	<b>Agriculture and Economic Development</b>													
3.1	Workshop with WMO to promote C/A, business planning and/or private co. linkage	2					X							
3.2	Vegetables demonstration by Private Sector (No.)	2				X	X							
3.5	Linkage building meeting/workshop among Vegetables arotlar and Resource Farmers (No.)	1		X										
3.6	Workshop with WMO to promote collective action, business planning and linkage with stake holder (No.)	2			X									
4.0	<b>Gender Mainstreaming</b>													
4.1	Observe International Women's day	1									X			
4.2	Conduct courtyard session on Gender and Leadership	40	X	X	X	X	X	X	X	X	X	X	X	X
5.0	<b>Training and Communication</b>													
5.1	Video screening on good practices	2			X	X	X							
5.2	Case study/ Good practices	Need base		X	X	X	X	X	X	X	X	X	X	X
6.0	<b>Monitoring Reflection and Learning</b>													
6.1	Facilitate WMGs to continue performing Participatory Monitoring	56				X						X		
6.2	Facilitate WMA to perform Participatory Monitoring	56				X			X			X		

Sl. No.	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
6.3	Facilitate WMA to continue performing Participatory Monitoring	56												
6.4	Impact Monitoring Surveys (No.)	1						X						
6.5	Sharing of and reflection on monitoring results (No.)	56	X				X						X	

## B.5 Polder 31 Part

### Progress to end-June 2019

#### Organizational Management

- O&M Agreement has been signed in between WMA and Executive Engineer, Khulna Division 2 of BWDB on 23<sup>rd</sup> September, 2018;
- WMA has successfully completed Annual General Meeting and discuss on catchment plan, WMG action plan.
- WMA has facilitated O&M plans and 07 sub catchment committees formed successfully with the help of WMA;
- 08 WMGs has taken part in T-Aman Rice seed collective action and they purchased 7800 kg T-Aman rice seed from the BADC dealer as collective action.

#### Water Resources Management

- 4.17 km khal re-excavation has been completed.
- 02 km Embankment re-sectioning, retired embankment 0.51 km.
- 0.51 km retired embankment work has been completed.
- Two sluices construction work has been completed.
- During the reporting period 2 WMG has completed SSWMI works.
- Nondonkhali sluice construction and Gozalia sluice repairing work are running;

#### Agriculture and Economic Development

- After completion of canal re excavation 150 ha land came under Watermelon in current year and farmers get BDT 2,00000/- from per acre land.
- 08 FFS on Poultry, Vegetables and Fish completed and 200 farmers got training on improved production technology training and market orientation.
- Out of 04 demonstration, 02 Vegetables demonstration on Tomato set up by Lal Teer seed company and 02 cabbage demonstration set up by united Seed company successfully polder 31 part;
- 02 WMGs participated in Gojalia sluice emergency repairing works and 02 WMGs also took part in Sapa embankment repairing works. 05 WMGs participate in Nondonkhali cross dam repairing work during FANI on 3/4 May, 2019.

#### Lessons learnt

- Through O & M agreement signing with BWDB, WMA has empowered to implement Catchment plans and create opportunities for proper maintenance of water infrastructure;
- Networking with different stakeholder's (UP, BWDB, DAE, DLS, DoF and input suppliers) create enabling environments for polder dweller for more production and more profit;
- The catchment committee started their activities in polder water management. As a result, benefits of repair embankment, sluice and re-excavation of khal are available at the polder areas.

#### 2019 / 2020 Objectives

The polder 31 part is the 2<sup>nd</sup> phase out polder. The main objectives of the polder team are for the year 2019-2020 as follows:

- Facilitate Catchment Committees to formulate catchment plans and assist them to implement properly their catchment plan;



- Facilitate WMA and WMGs to communicate with and linkage building with BWDB for timely completion of Sluice repairing works;
- To make the water management activities sustainable and proper water management can be established by functional WMG and WMA.
- All the water management infrastructure must be under appropriate maintenance through participatory water management rule`s which will ensure the proper water management for Polder dwellers;
- Linkage with different stakeholder should be more efficient and stronger than earlier. RF, CF, FT can contribute more efficiently for firm production and income.
- Knowledge, skill, attitude, management and leadership quality of the members of catchment sub-committee, WMG members will be improved. They can review the catchment level plan for proper water management and also implement the plan by themselves.

## Annual Work Plan of Polder 31 Part with timeline

Sl.	Task Name	Target	2018-19											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
➤	<b>Organizational Management</b>													
1	Monitor WMGs to formulate, review and implement of Annual Action Plan (WAP) and assist where needed	12	X	X	X	X	X	X	X	X	X	X	X	X
2	Participate in Annual General Meetings (AGM) of WMG	12	X	X									X	X
3	Facilitate WMGs to invest saving as IGAs	12	X	X	X	X	X	X	X	X	X	X	X	X
4	Assist WMGs for raising O&M fund and its proper use	12	X	X	X	X	X	X	X	X	X	X	X	X
6	Motivate WMGs to continue their records keeping as before	12	X	X	X	X	X	X	X	X	X	X	X	X
7	Participate Annual General Meetings (AGM) of WMA	2	X	X										X
8	Assist WMA to identify internal and external resources for raising fund	Need base	X	X	X	X	X	X	X	X	X	X	X	X
9	Assist WMAs to build up linkage and networking with BWDB, DAE, DLS, DOF and other Go/NGO and Private Sectors for their own interest	Need base	X	X	X	X	X	X	X	X	X	X	X	X
10	Facilitate Catchment O&M Sub-Committees for planning, implementing O&M plan	7	X	X	X	X	X	X	X	X	X	X	X	X
11	Assist WMA to formulate, review and implement of Annual Action Plan (WAP)	1	X	X	X	X	X	X	X	X	X	X	X	X
12	Assist WMA to prepare for EC election	1				X	X	X	X					
13	Assist WMA to maintain books and records properly	1	X	X	X	X	X	X	X	X	X	X	X	X
14	Motivate WMA to established WMA office	1	X	X	X	X	X	X	X	X	X	X	X	X
15	Review and follow-up the implementation progress of O&M Agreement and provide support to take necessary action	Need base	X	X	X	X	X	X	X	X	X	X	X	X
16	Assist and motivate WMA to develop internal coordination among the WMGs and their leaderships	Need base	X	X	X	X	X	X	X	X	X	X	X	X
17	Facilitate and provide necessary information and idea to WMA to get the occupancy of unused resources of BWDB from concerned govt. authority	Need base	X	X	X	X	X	X	X	X	X	X	X	X
18	Facilitate and capacitate WMAs to monitor WMG's activities	Need base	X	X	X	X	X	X	X	X	X	X	X	X

Sl.	Task Name	Target	2018-19											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
19	Assist WMA to identify good practices and organise HL events	Need base	X	X	X	X	X	X	X	X	X			
20	Assist WMGs to operate collective action (CA)	12	X	X	X	X	X	X	X	X	X	X	X	X
21	Organize monthly polder coordination meeting and review the progress of all activities	2	X	X										
22	Organize Horizontal Learning (HL)	4			X	X								
23	Develop Documentation/ Vedio on Good practices	Need base	X	X	X	X	X							
24	Develop Documentation/ Vedio on Good practices and HL	01 Nos					X							
<b>B</b>	<b>Water Resource Management</b>													
1	Constraction of new inlet (Nos)	1							X	X	X	X	X	X
2	Repair of sluice (Nos)	4							X	X	X	X	X	X
3	Retired embankment (km)	1.490							X	X	X	X	X	X
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Workshop with WMO to promote CA, business planning & private co. linkage	1					X							
2	Vegetables demonstration by private sector.	4												
3	Training on post-harvest management of vegetables for RF	1 batch												
4	Demonstration on Boro Rice by private sector.	1												
5	Linkage building meeting among vegetables arottdar and RFs	1						X						
6	Workshop with WMO to promote collective action, business planning and linkage with stake holder.	1			X									
7	Refresher training of for input retailers & linkage building with WMA.	1 batch								X				X
<b>D</b>	<b>Gender Mainsteam</b>													
1	Coutyard Meeting on gender awareness raising	48 Nos	X	X	X	X	X	X	X	X	X	X	X	X
<b>E</b>	<b>Training and communication</b>													
1	Video screening on good practices	3				X	X							
2	Case study/ Good practices	As require		X	X	X	X	X	X	X	X	X	X	X
<b>F</b>	<b>MRL Activities at Zonal and Polder Level</b>													
1	Facilitate WMGs to continue performing participatory monitoring	12				X						X		

Sl.	Task Name	Target	2018-19											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
2	Facilitate WMA to perform Participatory Monitoring	12				X			X			X		
3	Facilitate WMA to continue performing participatory monitoring													
4	Impact monitoring surveys (No.)	1						X						X
5	Sharing of and reflection on monitoring results (No.)	12	X				X						X	

## Phising-in Polders

### B.6 Polder 25

#### Progress to end-June 2019

##### Organizational Management:

- During reporting period 2 WMAs and 2 WMG were formed in Polder 25.
- 12 WMGs got registration from the office of the Deputy Chief Extension Officer, BWDB, Jashore.
- Assist WMAs to submit registration documents of 2 WMAs to the office of the Principal Extension Officer, BWDB, Kushtia for registration, which are under registration process.
- 61 WMGs have collected Savings (BDT) 230,120.00 BDT, Operation & Maintenance fund (BDT) 20,155.00 BDT and Miscellaneous fund (BDT) 170,181.00 BDT.
- 61 WMGs have up dated their Annual Action Plan, arranged Annual General Meetings.
- The WMAs have formulated Annual Action Plan considering Organizational activities, Water Management including O&M and Agriculture and Economic Development.
- Under 2 WMAs, 10 Catchment O&M Sub-Committees have been formed who are responsible for proper Water Management O&M activities in their jurisdiction on behalf of WMAs.

##### Water Resource Management:

- Khal re-excavation has been completed 11.76 km and 26.48 km work is on-going.
- O&M activities by WMOs-13 WMGs have cleaned water hyacinth of 8 khals covering 13.80 km khals involving about 40 members/non-members. 4 WMGs have removed silt of 1 km from 4 khals involving
- Small Scale Infrastructure development at four CAWM areas
- Under IPWM two WMGs were awarded for field channel preparation and completed their work.

##### Agriculture and Economic Development:

- Blue Gold TA has conducted 107 FFS on beef fattening, poultry rearing, fish culture, under 61 WMGs where 2675 members.
- There were 4 CAWM which covered 74.06 ha of land and 477 farmers.
- Total of 3 WMGs (Rudhaghara, Damodar and Kharnia) with their 39 farmers was established CII trial plot by covered 6.77 ha lands in order to increase the crops production of the lands. By this initiative, BGP practiced T Aman -Mustard -Boro Rice -Vegetables cropping pattern and lands are improved the cropping intensity up to 350% by cultivation of 3-4 crops round the year but earlier cropping intensity was only 200% (only Aman rice and Boro rice).
- Organized 2 batches RFs training and market visit for introducing different market actors.
- They are doing collective selling of the product, purchasing of agricultural inputs and arranging vaccination campaign.
- For increasing cropping pattern horizontal learning (HL) and community led agriculture water management in the polder area

##### Lessons learnt

- Out fall rivers were silted up and infrastructures are not well functioning.
- WMG's functionality is depending on Executive Committee. The WMG's where Executive Committee are proactive and potent; those WMGs are going very well;

- Delay implementation of infrastructural work is one of the barriers of growing up functional WMGs;
- New technology adaptation through trial and capacity building training support through FFS or other activity are helped to strengthen WMGs;
- Good linkage and collaboration with LGIs and local leaders are very important for implementation.

### 2019 / 2020 Objectives

- Capacity development of WMOs specially WMA so that they can utilize the resources of inside and outside of the polder for implementing their Annual Action Plan.
- Ensure sustainable water management at polder level.
- New technology dissemination in the polder level about poultry rearing, vegetables cultivation, beef fattening, HYV rice cultivation, zero tillage mustard cultivation.
- Strengthening networking and develop partnership of WMAs with LGIs, BWDB, DAE, DoF, DLS, BADC, LGED, Private sectors and others agencies.
- Improve IPWM and storage water in the dry period for Rabi crops.
- Preparation for polder phasing out and leaving functional WMOs.

## Annual Work Plan of Polder 25 with timeline

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>1.0</b>	<b>Organizational Management</b>													
1.1	Assist to organize Annual General Meeting of WMGs	61	X	X									X	X
1.2	Assist WMGs to prepare and finalize WMG Action Plan	61	X	X									X	X
1.3	Assist WMG to organize monthly meeting	61	X	X	X	X	X	X	X	X	X	X	X	X
1.4	Assist WMG to increase O&M fund and use of fund	61	X	X	X	X	X	X	X	X	X	X	X	X
1.5	Assist WMG to collect saving and its use for IGAs	61	X	X	X	X	X	X	X	X	X	X	X	X
1.7	Assist WMA to organize bi-monthly meeting	12	X		X		X		X		X		X	
1.8	Facilitate WMA to create general fund	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.9	Facilitate Catchment O&M sub-committee in preparation and implementation of O&M Plan	10	X	X	X	X	X	X	X	X	X	X	X	X
1.10	Motivate WMA to establish/renovation WMA office	2	X	X	X	X	X	X	X	X	X	X	X	X
1.11	Facilitate WMA for preparing WMA Action Plan, summarize O&M catchment plans and its implementation	10	X											X
1.12	Primary discussion with WMA about O&M Agreement	2	X											
1.13	Facilitate WMA to sign O&M agreement with BWDB	2	X											
1.14	Orient WMA about O&M Agreement and the concerned organizations/institutions	Need base		X	X	X	X	X	X	X	X	X	X	X
1.15	Review and follow-up the implementation progress of O&M agreement and provide support to take necessary action	Need base		X	X	X	X	X	X	X	X	X	X	X
1.16	Motivate WMA to encroachments of illegal use and make functional of water management infrastructures	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.17	Assist and motivate WMA to develop internal coordination among the WMGs and their leaderships	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.18	Assist WMAs to monitor WMG's activities	61	X	X	X	X	X	X	X	X	X	X	X	X
1.19	Facilitate and provide necessary information and idea to WMA to get the occupancy of unused resources of BWDB from concerned govt. authority	Need base	X	X	X	X	X	X	X	X	X			

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
1.20	Identify the best practices at polder level and assist WMA to upscale those best practices through formal/informal horizontal learning.	50	X	X	X	X	X	X	X	X	X			
1.21	Expansion of Collective Actions (CAs) in numbers	61	X	X	X	X	X	X	X	X	X	X	X	X
1.22	Facilitate WMA to build up linkage & networking with LGIs, BWDB, DAE, BADC, DLS, DoF, Private sector and others	Need base	X	X	X	X	X	X	X	X	X	X	X	X
1.23	Assist WMGs to form LCS and mobilize their work	10						X	X	X	X			
1.24	Organize Horizontal Learning (HL)	20	X	X	X	X	X	X	X	X	X			
<b>2.0</b>	<b>Water Resources Management</b>													
2.1	Embankment Re-sectioning (km)	4.08					X	X	X	X	X	X		
2.2	Retired Embankment (km)	1.50	X				X	X	X	X				
2.3	Repairing Reg/sluices (Nos)	16.00				X	X	X	X	X	X	X	X	X
2.4	Re-excavation of khals (km)	38.24					X	X	X	X	X	X		
<b>3.0</b>	<b>Agriculture and Economic Development</b>													
3.1	Linkage development with private sector for vegetables demonstration	4				X	X	X	X	X				
3.2	Demonstration on Boro Rice by Private sector	2						X	X	X	X	X		
3.3	Workshop with WMO to promote collective action, business planning and linkage with stake holder	2					X							
3.4	Established Cropping Intensity Initiatives (CII) demonstration through year-round	4	X	X	X	X	X	X	X	X	X	X	X	X
3.5	Farmers orientation on CII implementation process (WRM, cropping pattern & production technique)	1 batch	X											
3.6	Crop cutting Farmers Field day on CII	12					X		X				X	
3.7	Assist FT to facilitate FFS on 13 cycle	38	X	X	X	X								
3.8	Farmers Field day observe for 13 cycle	38			X	X								
3.9	Endline survey (FFS)	38				X								
3.10	Resource Farmers Capacity Building Training	2 batches		X										
3.11	Market Visit of Resource Farmers	38		X										
<b>4.0</b>	<b>Training and Communication</b>													



S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
4.1	Video screening on good practices	6				X	X							
4.2	Phase out drama show	6					X	X						
4.3	Video preparation on good practices	As require	X	X	X	X	X	X						
4.4	Organize Catchment level O&M plan sharing workshop with WMAs	2	X											
4.5	Organize Upazila level Catchment O&M plan sharing workshop	2		X										
4.6	Planning workshop for Rabi crops for CAWM areas	1				X								
4.7	Organize crop cutting festival for CAWM area	1					X							
<b>5.0</b>	<b>Gender Mainstreaming</b>													
5.1	Coutyard Meeting on Gender and Leadership	122	X	X	X	X	X	X	X	X	X			
5.2	Assist WMGs to enroll at least 45% female as general members	30	X	X	X	X	X	X	X	X	X			
5.3	Women empowerment through horizontal Learning	15				X	X							
5.4	Observe of International Women's Day (IWD)	1									X			
<b>6.0</b>	<b>Monitoring Reflecting and Learning</b>													
6.1	Facilitate WMGs/WMA to conduct participatory monitoring	40				X						X		
6.2	Capacity development of WMG/WMA to continue participatory monitoring	Need base	X	X	X	X	X	X	X	X	X	X		
6.3	WMG tracker data collection from WMGs	38			X			X			X			
<b>7.0</b>	<b>Others</b>													
7.1	Polder coordination meeting	12	X	X	X	X	X	X	X	X	X	X	X	X
7.2	Through coordinating the competency of polder team members in carrying out capacity building activities for WMA by the polder teams	Need base	X						X					
7.3	Documentation of all success story/case study	Need base	X	X	X	X	X	X	X	X	X			

## B.7 Polder-27/1

### Progress to end-June 2019

#### Organizational Management:

- 15 WMGs got registration from BWDB;
- One WMA (Bhadra-Salta WMA) was formed comprising Polder 27/1 and 27/2;
- WMA Annual Action Plan (WAP) has been formulated;
- 5 Catchment O&M sub-committee has been formed;
- The WMG's were organized monthly and quarterly meeting as per their plan;
- A total of 81,140/- taka has collected as savings from WMG members and 83,510/- taka has collected as O&M fund;
- 15 WMGs have been formulated WMG Action Plan (WAP);

#### Water Resources Management:

- A total of 4.00 km khal has been completed;
- Mirzapur WMG cleaned a canal around 0.500 km in last dry season to remove water lodging condition for which 300 acres of land came under the T-Aman rice cultivation;
- WMG collected Fund (Tk. 4500/-) by their own initiatives and maintained the damaged portion of embankment. Tk.4500.00 has been expensed to maintain the damage portion;
- Two WMGs (Khajura and Hajidanga) mobilized their members to create fund for operation and maintenance. The WMG collected a total of Tk. 13900/- for the purpose.

#### Agriculture and Economic Development:

- 15 FFS (11th cycle-08 and 12th cycle-07) have been implemented successfully;
- 6 FFS are ongoing on 13th cycle; One Community Led Fisheries Activities (CLF) has completed;
- One CAWM has been implemented by DAE covering 17 ha land and 64 farmers;
- 53 members from 04 WMG collectively purchased 760 kg HYV rice seed and saved about Tk. 5000/ 25 female members from one WMG jointly sold 320 nos egg amounting of Tk.3200.00. 81 members from 03 WMG jointly sold 1550 kg vegetables amounting of Tk. 31000/-;
- 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;
- Egg collective action has done by Madhobkati WMG in which 35 egg sellers are involved;
- The M-power organized 06 meeting with 03 WMG where a total of 151 members (Male-65, Female-86) participated. The agenda of the meeting were, variety selection of cattle, record keeping by modern technology, uses of apps, use of improved variety semen's etc.

#### Lessons learnt

- The WMG's where proactive and dynamics leaders are in the Executive committee, those WMG's are functioning very well.
- Without infrastructural development it would be difficult to get economic benefit through effective water management.
- Delay infrastructure works are the barricade of making functional WMGs.
- Formation and implementation of FFS have been created more trust on project.

- WMG's have been taken collective initiatives for their development which is good sign for sustainability.

### 2019 / 2020 Objectives

- Capacity development of WMA and WMGs
- Established strong relationship with UP, BWDB, DAE, DOF and other relevant line agencies to access different services and support for better water management and better crop production.
- Increase knowledge and skills on fisheries, beef fattening and poultry rearing management which will help for creation of more production and market linkage
- Development of infrastructure for better water management
- Promote collective action, business planning and Linkage with private sector.
- Linkage establishment among RF, CF, LF, FT and market actors; and
- Develop knowledge and skill of WMG members of GLD, create awareness on gender issues and develop skill of women on market linkage

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

S. N	Task Name	Target	2019-20											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
➤	<b>Organizational Management</b>													
1	Assist to WMA for organizing bimonthly meeting	6	X		X		X		X		X		X	
2	Assist to WMA for organizing half yearly meeting	2		X						X				
3	Assist to WMA for organizing annual general meeting	2	X											X
4	Assist to update the records and book keeping, maintenance of books of accounts	1	X	X	X	X	X	X	X	X	X	X	X	X
5	Assist to WMA for indentifying internal and External resources in polder area	As require	X	X	X	X	X	X	X	X	X	X	X	X
6	Assist to WMA for preparing, implementing and updateing catchment work plan	5	X											
7	Assist to WMG executive committee to facilitate monthly meeting	180	X	X	X	X	X	X	X	X	X	X	X	X
8	Assist to WMG for organizing quarterly general meeting	60			X			X			X			X
9	Assist to WMA for organizing annual general meeting	15	X											X
10	Assist WMG to form sub committee (O&M, Agriculture, WM, IGAs and Audit)	14	X											
11	LCS formation and mobilize the LCS work	As require								X	X	X	X	X
12	Assist and follow up regular savings deposit (Tk.)	200000	X	X	X	X	X	X	X	X	X	X	X	X
13	Assist WMG O&M fund raising (Tk.)	100000	X	X	X	X	X	X	X	X	X	X	X	X
14	Records and book keeping, maintenance of books of accounts	15 WMGs	X	X	X	X	X	X	X	X	X	X	X	X

S. N	Task Name	Target	2019-20											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
15	Need based capacity bulding informal training provide by CDFs	As require						X	X	X	X	X	X	X
16	Assist WMG to operate collective IGAs	05 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
17	Assist WMGs to operate individual IGAs	08 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
18	Organize exposure/ learning sharing- visits	03 WMGs	X			X	X				X			
19	Identify good practices & organize horizontal learning	As require	X	X	X	X	X	X	X	X	X	X	X	X
20	Organize catchment O&M planning workshop	5						X	X	X	X	X	X	X
21	Assist catchment committee to regularization of catchment-level water management and O&M planning	5						X	X	X	X	X	X	X
22	Observance of disaster preparedness week	2				X				X				
23	WMA wise monitoring committee form and mobilise monitoring committee	As require	X	X	X	X	X							
24	Assist WMG to build up linkage & networking with LGIs, BWDB &DAE	As require	X	X	X	X	X	X	X	X	X	X	X	X
25	Attend Union Development Coordination Meeting for sharing polder activity	2 UP	X	X	X	X	X	X	X	X	X	X	X	X
26	Conduct fortnightly meeting with FTs	24 Nos	X	X	X	X	X	X	X	X	X	X	X	X
27	Conduct monthly polder coordination meeting	12	X	X	X	X	X	X	X	X	X	X	X	X
28	Develop documentation/ vedio on good practices and HL	02 Nos					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	25km	X	X	X	X	X	X	X	X	X	X	X	X
3	Repair of sluice	5 Nos	X	X	X	X	X	X	X	X	X	X	X	X

S. N	Task Name	Target	2019-20											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Assist FT to facilitate 6 FFS on 13 cycle	6	X	X	X	X	X	X						
2	06 farmers field day observe	6		X	X	X	X	X						
3	End line survey (6 FFS)	6		X	X	X	X	X						
5	Seasonal fish cultivation in water logged area	2 WMG											X	X
6	Vegetables demonstration by Private sector	1			X									
7	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1					X							
8	Training on Post-harvest management of Vegetables for Resource Farmers	2 batch		X				X						
9	Demonstration on Boro Rice by Private sector	1						X						
10	Linkage building meeting among Vegetables arottdar and Resource Farmers.	2 batch								X				X
11	Refresher training of trained input retailers and linkage building with WMA	1 batch					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 Mainstream</b>													
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	120 Nos	X	X	X	X	X	X	X	X	X	X	X	X
3	Women empowerment through horizontal Learning	6 WMGs				X	X					X	X	
4	Observance of International Women's Day (IWD)	1									X			
<b>E</b>	<b>Training and Communication</b>													
1	Vedio demonstration	15 Shows		X	X	X	X	X	X	X	X	X	X	X

S. N	Task Name	Target	2019-20											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
2	Popular Theater for phase out	03 Nos			X	X	X	X						
3	Case study/ Good practices	As require		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	Assist WMA to conduct participatory monitoring	1 Nos				X						X		
3	Prepare WMOs Tracker	15WMGs			X			X			X			X

## B.8 Polder 27/2

### Progress to end-June 2019

#### Organizational Management

- One WMA (Polder 27/1 & 27/2) was formed and submitted necessary documents for registration;
- WMA formulated Annual Action Plan (WAP);
- WMA has formed 3 Catchment O&M sub-committee;
- 06 WMG have already been covered 55% HH;
- 06 WMGs have been formulated WMG Action Plan (WAP);
- 12 Court Yard Session (CYS) have been completed on Gender and Leadership using Gender flip chart;
- One LCS has formed under one WMG and re-excavation of Khal has been completed successfully;

#### Water Resources Management

- Embankment re-sectioning completed 0.27 km.
- Re-excavation of khal had been completed 400 m.
- 03 sluices (Tiabunia, Komolpur & Sostitola) has been repaired;
- Ghona Borodanga WMG cleaned water hyacinth of 350-meter khal for water reservation to cultivate Boro rice about 10 ha of land where 42 members (Male-19 Female-23) involved;
- Bahadurpur WMG has excavated a field channel to remove the water lodging condition.

#### Agriculture and Economic Development

- One CAWM and 07 FFS (11th cycle-04 and 12th cycle-03) have been implemented successfully.
- 55 members of two WMG's jointly sales vegetables and purchased chicken feed and vaccine.
- 49 members jointly purchased and vaccinated 160 poultry bird, purchased 200kg and 270kg poultry feed and rice seed respectively
- Lal Teer Seed Ltd provided country bean seed to 01 WMG member for demonstration

#### Lessons learnt

- The WMG's where proactive and dynamics leaders are in the Executive committee, those WMG's are functioning very well;
- Without infrastructural development it would be difficult to get economic benefit through effective water management;
- Delay infrastructure works are the barricade of making functional WMGs;
- Formation and implementation of FFS have been created more trust on project;
- Blue gold implementing different activities at polder level, through which new technology adaptation and capacity building of WMG members, help to make functional WMG's;
- WMG's have been taken collective initiatives for their development which is good sign for sustainability.

#### 2019 / 2020 Objectives

- Capacity development of WMA and WMGs;



- Established strong relationship with UP, BWDB, DAE, DOF and other relevant line agencies to access different services and support for better water management and better crop production;
- Increase knowledge and skills on Fisheries, beef fattening and poultry rearing management which will help for creation of more production and market linkage;
- Development of infrastructure for better water management;
- Promote collective action, business planning and Linkage with private sector;
- Linkage establishment among RF, CF, LF, FT and market actors;
- Develop knowledge and skill of WMG members of GLD, create awareness on gender issues and develop skill of women on market linkage

## Annual Work Plan of Polder 27/2 with timeline

S. N	Task Name	Target	2019-20											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A</b>	<b>Organizational Management</b>													
1	Assist to WMA for organizing bimonthly meeting	6	X		X		X		X		X		X	
2	Assist to WMA for organizing half yearly meeting	2		X						X				
3	Assist to WMA for organizing annual general meeting	2	X											X
4	Assist to update the records and book keeping, maintenance of books of accounts	1	X	X	X	X	X	X	X	X	X	X	X	X
5	Assist to WMA for indentifying internal and External resources in polder area	As Require	X	X	X	X	X	X	X	X	X	X	X	X
6	Assist to WMA for preparing, implementing and updateing catchment work plan	3	X											
7	Assist to WMG executive committee to facilitate monthly meeting	72	X	X	X	X	X	X	X	X	X	X	X	X
8	Assist to WMG for organizing quarterly general meeting	24			X			X			X			X
9	Assist to WMA for organizing annual general meeting	6	X											
10	Assist WMG to form sub committee (O&M, Agriculture, WM, IGAs and Audit)	1	X											
12	Assist and follow up regular savings deposit (Tk.)	80000	X	X	X	X	X	X	X	X	X	X	X	X
13	Assist WMG O&M fund raising (Tk.)	10000	X	X	X	X	X	X	X	X	X	X	X	X
14	Records and book keeping, maintenance of books of accounts	06 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
15	Need based capacity bulding informal training provide by CDFs	As Require						X	X	X	X	X	X	X
16	Assist WMG to operate collective IGAs	02 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
17	Assist WMGs to operate individual IGAs	02 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
18	Organize exposure/ learning sharing- visits	01 WMGs	X			X	X				X			

S. N	Task Name	Target	2019-20											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
19	Identify good practices & organize horizontal learning	As require	X	X	X	X	X	X	X	X	X	X	X	X
20	Organize catchment O&M planning workshop	3						X	X	X	X	X	X	X
21	Assist catchment committee to regularization of catchment-level water management and O&M planning	3						X	X	X	X	X	X	X
22	Observance of disaster preparedness week	1				X				X				
23	WMA wise monitoring committee form and mobilise monitoring committee	As require	X	X	X	X	X							
24	Assist WMG to build up linkage & networking with LGIs, BWDB & DAE	As require	X	X	X	X	X	X	X	X	X	X	X	X
25	Attend Union Development Coordination Meeting for sharing polder activity	1 UP	X	X	X	X	X	X	X	X	X	X	X	X
26	Conduct fortnightly meeting with FTs	24 Nos	X	X	X	X	X	X	X	X	X	X	X	X
27	Conduct monthly polder coordination meeting	12	X	X	X	X	X	X	X	X	X	X	X	X
28	Develop documentation/ video on good practices and HL	02 Nos					X							
<b>B</b>	<b>Water Resource Management</b>													
1	Re-sectioning of embankment	2.43 km	X	X	X	X	X	X	X	X	X	X	X	X
2	Re-exavation of Khal	3.76 km	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 6 FFS on 13 cycle	2	X	X	X	X	X	X						
2	06 farmers field day observe	2		X	X	X	X	X						
3	End line survey (2 FFS)	2		X	X	X	X	X						
5	Seasonal fish cultivation in water logged area	3 WMG											X	X
6	Vegetables demonstration by Private sector	1			X									
7	Workshop with WMO to promote C/A, business planning and/or private co. linkage	1					X							

S. N	Task Name	Target	2019-20											
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
8	Training on Post-harvest management of Vegetables for Resource Farmers.	1 batch						X						
9	Demonstration on Boro Rice by Private sector	1			X									
10	Linkage building meeting among Vegetables arottdar and Resource Farmers.	1 batch								X				X
11	Refresher training of trained input retailers and linkage building with WMA	1 batch								X				
12	Resource Farmers capacity building training	1 Batch	X											X
13	Market visit by Resource Farmers	1 Batch	X											X
D	Gender Mainsteam													
1	Conduct GLD training in the WMG level	36 Nos		X	X	X	X	X	X	X	X	X	X	X
2	Courtyard 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	Observance of International Women's Day (IWD)	1									X			
E	Training and Communication													
1	Vedio demonestration	06 Shows		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 require		X	X	X	X	X	X	X	X	X	X	X
F	MRL													
1	Assist WMGs to conduct participatory monitoring	6 Nos				X						X		
2	Assist WMA to conduct participatory monitoring	1 Nos				X						X		
3	Prepare WMOs Tracker	6 WMGs			X			X			X			X

## B.9 Polder-28/1

### Progress to end-June 2019

#### Organizational management

- A Kaiya WMA was re-formed with the membership of 24 WMGs of Polder 28/1 & 28/2. The selected representative from each WMG was formed the efficient Executive committee on 3<sup>rd</sup> May, 2019 through participatory election process for their WMA.
- 12 WMGs was facilitated 10 AGM, 92 monthly meeting, and 26 special meeting which contributed to successfully accomplished 10 WAP formation, review & implement the plan, updated the financial book of record, and issues-based activities implementation by their own leadership.
- Total of 5 catchment committee was formed and completed the O & M planning with the assistance of WMA.
- 12 WMGs increased the general fund by BDT. 524005.00 (O&M Tk. 21680, Savings Tk. 254080)

#### Water Resources Management

- Total of 2.35 Km channel was completed and continuing the Re-excavation work in the place of Panchu khal and Passkhali khal at Polder 28/1.
- Rayermahal 4-band sluice gate was completed the mechanical work by newly setting 4 gates in up streaming side. And repaired the water retention structure by newly setting vertical lift gate.
- Khambati WMG had taken initiative for cleaning water hyacinth in the place of 200 fit Puber kha. Total of 22 members of WMGs was participated daylong cleaning activities.

#### Agricultural & Economic development

- In this reporting period, WMGs completed 12<sup>th</sup> cycle FFS with the module of Fish culture, poultry rearing, and homestead gardening. Total of 14 FFS program was completed where 350 farmers are improved their skill on new production technique, gathered market orientation knowledge and also 2 FT with 14 RFs improved their facilitation skills.
- BGP was facilitated 14 Horizontal learning events by the name of FFD where approximately 1520 farmers were participated and gathered knowledge on new agricultural technology, Collective action and market orientation system.
- Total of 8 WMG had organized the vaccination campaign where 220 members got scope to vaccinate their poultry. Total of 1240 duck and 1460 hen come under vaccination.
- Alaipur WMG took initiative to increasing homestead vegetable production by involving every HHs. This year approximate 130 decimal homestead areas are come under year-round vegetable cultivation where 70 HHs (out of 145 HHs) are involved. Most of the HHs fulfils their 85% requirement of family consumption in addition every HHs on an average income increased BDT 650.00 per month in a decimal homestead area but some are increased income more than BDT. 1000.00 who cultivate year-round vegetable by covering more homestead lands.
- Total of 6 WMGs with their 207 members (Female-81, Male-126) were initiated the collective action of BDT 178884.00 by establishing business linkage with input & output market actors. By this way, WMGs collectively sold moringa to link with output market actors, and purchase rice seed, poultry feeds, and jointly organized vaccination campaign.

#### Lessons learnt

- Implemented activities of functional WMG's and its good impact are help to make good inspiration to the neighbouring WMGs for build them self-sustainability.
- BGP facilitated special initiative like CII and CAWM are help to WMGs/WMA to build good business relation and networking with public-private sectors organization (DAE, UP BWDB).

- Technology adaptation trials (CII) help to change the farmer's behaviour from traditional practices to improve cultivation.
- Partnership and joint collaboration activities are increase the WMGs functionality.

### 2019 / 2020 Objectives

- Capacity development of WMA, so that they can make their water management plan and implement it by their own initiative.
- Developed the water infrastructure and improving the capacity of catchment committee to efficiently implement the O & M plan for improving In-Polder water management.
- Capacity development of WMA, so that they can take over the responsibilities of all water infrastructures and lead to participatory Operation & Maintenance activities.
- Establish functional relation among the WMA, BWDB, DAE, DLS, DoF, and others service providing agencies.
- Improve technical skill and knowledge of farmers to increase crops production by effective use of water resources.
- Scaling up good practice by WMA/WMGs

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

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A</b>	<b>Organizational Management</b>													
1	Assist to WMG & WMA for WAP (WMA Action Plan) formulation, Review and implementation	13	X	X	X	X	X	X	X	X	X	X	X	X
2	Assist WMA to form catchment Wise O&M sub committee	5												
3	Assist Catchment committee to Regularization of catchment-level water management and O&M planning	5	X	X	X	X	X	X	X	X	X	X	X	X
4	Assist to WMG Executive Committee to facilitate Monthly meeting	144	X	X	X	X	X	X	X	X	X	X	X	X
5	Assist to WMGs for organizing Quarterly general meeting	36			X			X			X			
6	Assist to WMGs for organizing Annual general meeting	12	X	X										
7	Assist WMG to form Sub Committee (O&M, Agruculture, & WM, IGAs and Audit)	1	X	X										
8	LCS formation and Mobilize the LCS work	7						X	X	X	X	X	X	X
9	Assist and Follow up regular savings deposit (Tk.)	240000	X	X	X	X	X	X	X	X	X	X	X	X
10	Assist WMG O&M fund raising (Tk.)	15000	X	X	X	X	X	X	X	X	X	X	X	X
11	Assist to WMGs/WMA for Records and Book keeping, maintenance of books of accounts	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
12	Assist WMG to operate collective and individual IGAs	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
13	Identify good practices & Organize horizontal learning event	4 events			X			X			X			X
14	Assist WMG/WMA to implement joint activities with public-private organization	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
15	Assist WMG/WMA to organize and observance of different issues-based day/week.	As require	X	X	X	X	X	X	X	X	X	X	X	X
16	WMA wise monitoring committee form and mobilise monitoring committee	1							X					

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
17	Assist WMG to Build up Linkage & Networking with LGIs, BWDB & DAE	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
18	Attend Union Development Coordination Meeting for sharing polder activity	1 UP	X											
19	Conduct monthly polder coordination meeting	12	X	X	X	X	X	X	X	X	X	X	X	X
20	Develop Documentation/ Vedio on Good practices and HL	As require						X						
<b>B</b>	<b>Water Resources management</b>													
1	Embankment re-sectioning (KM)	3 km						X	X	X	X	X	X	X
2	Retired Embankment in KM	1.5km						X	X	X	X	X	X	X
3	Repairing Reg/Sluices	6						X	X	X	X	X	X	X
4	Constuction of new Sluices (No.)	1						X	X	X	X	X	X	X
5	Re-excavation of Khal in km	24.1km						X	X	X	X	X	X	X
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Assist to WMG/WMA to establish linkage with Private sector for establish Vegetables demonstration.	2 dem			X	X	X	X	X					
2	Training on Post-harvest management of Vegetables for Resource Farmers.	selected RF						X						
3	Assist to WMG/WMA to establish linkage with Private sector for setting Demonstration on Boro Rice.	2 dem							X	X	X	X		
4	Linkage building meeting among Vegetables arotdar and Resource Farmers	selected							X					
5	Workshop with WMO to promote collective action, business planning and linkage with stake holder	1 W/S					X							
6	Refresher training of trained input retailers and linkage building with WMA.	selected lps								X				



S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
7	Assist WMGs to implement CII	1 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
8	Farmers orientation on CII implementation process (WRM, cropping pattern & production technique)	1 batch	X											
9	Crop cutting Farmers Field day on CII	3 FFD					X		X				X	
<b>D</b>	<b>Gender Mainstreaming</b>													
1	Coutyard Meeting on Gender Awareness Raising	96 meeting	X	X	X	X	X	X	X	X	X	X	X	X
2	Women empowerment through horizontal Learning	1 event						X						
3	Observance of International Women; s Day (IWD)	1 event									X			
<b>E</b>	<b>MRL</b>													
1	Assist WMGs/WMA to conduct participatory monitoring	13				X								
2	Assist WMGs to completed WMOs Tracker	13			X			X						
<b>F</b>	<b>Training and Communication</b>													
1	Video screaning on good practice	2 events				X				X				
2	Drama show	1 event					X							
<b>F</b>	<b>BGIF</b>													
1	Assist WMG to manage Women business center (WBC)	3 WMGs	X	X	X	X	X	X	X	X	X	X	X	X

## B.10 Polder-28/2

### Progress to end-June 2019

#### Organizational management

- A Joint WMGs platform named Kaiya WMA was re-formed with the membership of 24 WMGs of Polder 28/1 & 28/2. The selected representative from each WMG was formed the efficient Executive committee on 3<sup>rd</sup> May, 2019 through participatory election process for their WMA.
- 12 WMGs was facilitated 7 AGM, 108 monthly meeting, and 37 special meeting which contributed to successfully accomplished 12 WAP formation, review & implement the plan, updated the financial book of record, and issues-based activities implementation by their own leadership.
- Total of 5 catchment committee was formed and completed the O & M planning with the assistance of WMA.
- Total of 9 LCS groups formed (male-5, female-4) by the membership of 279 male and 238 females. All necessary documents were prepared and submitted to BWDB.
- 12 WMGs increased the general fund by BDT. 1547272.00 (O&M Tk. 26295, Savings tk. 834328)

#### Water Resources Management

- Total of 11.4 Km canal was completed and continuing the Re-excavation work in the place of Ramdia khal, Hogladanga khal, Pramaniker khal, Sindurtala khal, and Banshbaria khal at Polder 28/2.
- Ramdia 9-band sluice gate was completed the mechanical work by newly setting 18 gate both in countryside and riverside.
- Emergency work was completed to protect embankment erosion in the place of Kachubunia. 150-meter embankment was facing the light erosion due to high tide of monsoon storm of FANI. Approximately BDT 65000.00 was costing to repair the embankment which contributed by 2 WMGs, WMA, Union Parishad, Upazila Parishad and local elite person.

#### Agricultural & Economic development

- In this reporting period, BGP facilitated 11<sup>th</sup> & 12<sup>th</sup> cycle FFS with the module of Fish culture, poultry rearing, and homestead gardening. Total of 16 FFS program was completed where 400 farmers are improved their skill on new production technique, gathered market orientation knowledge and also 3 FT with 16 RFs improved their facilitation skills.
- Chhaighoria WMG with their 17 farmers was established CII trial plot by covered 3.07-hectare lands in order to increase the crops production of the lands. By this initiative, BGP practiced the cropping pattern of **T Aman – Mustard – Vegetable** and lands are improved the cropping intensity up to 300% by cultivation of 3 crops but earlier intensity was only 100% (only Aman rice).
- BGP was facilitated 19 Horizontal learning events by the name of FFD where approximately 2150 farmers were participated and gathered knowledge on new agricultural technology, Collective action and market orientation system.
- Total of 75 HHs of Jharbhanga & Sachibunia WMGs have started new business to producing vermin compost after received training from DAE. Everyone was setting compost pit and manufacturing the vermin compost and this fertilizer used for their agricultural lands and surplus production are selling to the market @ Taka 13 per kg fertilizer.
- Total of 11 WMG had organized the vaccination campaign where 286 members got scope to vaccinate their poultry. Total of 1820 duck and 2200 hen come under vaccination.
- Total of 10 WMGs with their 379 members (Female-326, Male-88) were initiated the collective action of BDT 103175.00 by establishing business linkage with input & output market actors. By

this way, WMGs collectively sold moringa to link with output market actors, and purchase rice seed, poultry feeds, and jointly organized vaccination campaign.

- Total of 10 female had received day long training from DLS in order to make themselves as a poultry vaccinator who will provide vaccine support to their respective WMG.

### Lessons learnt

- Implemented activities of functional WMG's and its good impact are help to make good inspiration to the neighbouring WMGs for build them self-sustainability.
- BGP facilitated special initiative like CII and CAWM are help to WMGs/WMA to build good business relation and networking with public-private sectors organization (DAE, UP, BWDB).
- Technology adaptation trials (CII) help to change the farmer's behaviour from traditional practices to improve cultivation.
- Partnership and joint collaboration activities are increase the WMGs functionality.

### 2019 / 2020 Objectives

- Capacity development of WMA, so that they can make their water management plan and implement it by their own initiative.
- Developed the water infrastructure and improving the capacity of catchment committee to efficiently implement the O & M plan for improving In-Polder water management.
- Capacity development of WMA, so that they can take over the responsibilities of all water infrastructures and lead to participatory Operation & Maintenance activities.
- Establish functional relation among the WMA, BWDB, DAE, DLS, DoF, and others service providing agencies.
- Improve technical skill and knowledge of farmers to increase crops production by effective use of water resources.
- Scaling up good practice by WMA/WMGs.

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

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A</b>	<b>Organizational Management</b>													
1	Assist to WMG & WMA for WAP (WMA Action Plan) formulation, Review and implementation	13	X	X	X	X	X	X	X	X	X	X	X	X
2	Assist WMA to form catchment wise O&M sub committee	5												
3	Assist Cataachment committee to Regularization of catchment-level water management and O&M planning	5	X	X	X	X	X	X	X	X	X	X	X	X
4	Assist to WMG Executive Committee to facilitate Monthly meeting	144	X	X	X	X	X	X	X	X	X	X	X	X
5	Assist to WMGs for organizing Quarterly general meeting	36			X			X			X			
6	Assist to WMGs for organizing Annual general meeting	12	X	X										
7	Assist WMG to form Sub Committee (O&M, Agruculture, & WM, IGAs and Audit)	1	X	X										
8	LCS formation and Mobilize the LCS work	7						X	X	X	X	X	X	X
9	Assist and Follow up regular savings deposit (Tk.)	240000	X	X	X	X	X	X	X	X	X	X	X	X
10	Assist WMG O&M fund raising (Tk.)	15000	X	X	X	X	X	X	X	X	X	X	X	X
11	Assist to WMGs/WMA for Records and Book keeping, maintenance of books of accounts	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
12	Assist WMG to operate collective and individual IGAs	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
13	Identify good practices & Organize horizontal learning event	4 events			X			X			X			X
14	Assist WMG/WMA to implement joint activities with public-private organization	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
15	Assist WMG/WMA to organize and observance of different issues-based day/week.	As Require	X	X	X	X	X	X	X	X	X	X	X	X
16	WMA wise monitoring committee form and mobilise monitoring committee	1							X					
17	Assist WMG to Build up Linkage & Networking with LGIs, BWDB & DAE	12 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
18	Attend Union Development Coordination Meeting for sharing polder activity	1 UP	X											
19	Conduct monthly polder coordination meeting	12	X	X	X	X	X	X	X	X	X	X	X	X

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
20	Develop Documentation/ Vedio on Good practices and HL	As Require						X						
<b>B</b>	<b>Water Resources management</b>													
1	Embankment re-sectioning (KM)	3 km						X	X	X	X	X	X	X
2	Retired Embankment in KM	1.5km						X	X	X	X	X	X	X
3	Repairing Reg/Sluices	6						X	X	X	X	X	X	X
4	Constuction of new Sluices (No.)	1						X	X	X	X	X	X	X
5	Re-excavation of Khal in km	24.1km						X	X	X	X	X	X	X
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Assist to WMG/WMA to establish linkage with Private sector for establish Vegetables demonstration.	2 dem			X	X	X	X	X					
2	Training on Post-harvest management of Vegetables for Resource Farmers.	selected RF						X						
3	Assist to WMG/WMA to establish linkage with Private sector for setting Demonstration on Boro Rice.	2 dem							X	X	X	X		
4	Linkage building meeting among Vegetables arot dar and Resource Farmers	selected							X					
5	Workshop with WMO to promote collective action, business planning and linkage with stake holder	1 W/S					X							
6	Refresher training of trained input retailers and linkage building with WMA.	selected lps								X				
7	Assist WMGs to implement CII	1 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
8	Farmers orientation on CII implementation process (WRM, cropping pattern & production technique)	1 batch	X											
9	Crop cutting Farmers Field day on CII	3 FFD					X		X				X	
<b>D</b>	<b>Gender Mainstreaming</b>													
1	Coutyard Meeting on Gender Awareness Raising	96 meeting	X	X	X	X	X	X	X	X	X	X	X	X
2	Women empowerment through horizontal Learning	1 event						X						
3	Observance of International Women; s Day (IWD)	1 event									X			
<b>E</b>	<b>MRL</b>													

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
1	Assist WMGs/WMA to conduct participatory monitoring	13				X								
2	Assist WMGs to completed WMOs Tracker	13			X			X						
<b>F</b>	<b>Training and Communication</b>													
1	Video screening on good practice	2 events				X				X				
2	Drama show	1 event					X							
<b>F</b>	<b>BGIF</b>													
1	Assist WMG to manage Women business center (WBC)	3 WMGs	X	X	X	X	X	X	X	X	X	X	X	X

## B.11 Polder-34/2 Part

### Progress to end-June 2019

#### Organizational Management:

- Polder level one WMA has been formed and assist WMA to send registration documents to the Principal Extension Office, Kusthia.
- Assist WMA to prepare WMA Annual Action Plan.
- Remaining 8 WMGs got registration from BWDB.
- Catchment identification was finalized and identified 12 catchment committees has been formed. Catchment planning is going on.
- 9 WMGs have been starting to collect saving and they have collected (BDT) 34,250.00.
- 19 WMGs have O&M fund and up to date O&M fund collected BDT 174,650.00. The progress in the last year is 13, 290.00 BDT.
- 19 WMGs have been formulated WMG Action Plan (WAP).
- One Horizontal Learning (HL) on CAWM completed which 30 members were attended from 6 WMGs.
- 20 Court Yard Session (CYS) have been completed on Gender and Leadership using Gender flip chart.
- 15 LCSs have formed. 10 LCSs for khal re-excavation and 5 LCSs for embankment re-sectioning in FY 2018-2019. 15 LCSs completed their work successfully.

#### Water Resource Management:

- 9.557 km embankment re-sectioning work have been completed.
- Retired embankment work -790 m is going on.
- 7.5 km khal re-excavation have been completed.
- Only one IPWM project finally selected out of three which was Noiltola-Barahazirabad WMG. This work already completed and got final bill.
- Small Scale Infrastructure work under CAWM at Fulbari WMG also completed.
- WMG initiatives for O&M activities: wooden box culvert made-4 nos, value of work-22000 BDT; khal cleaning- 4.5 km, value of work-10000 BDT; wooden vent made at FS sluices- 5 nos, value of work-2300 BDT; embankment repairing- 5 points, value of work-51000 BDT.

#### Agriculture and Economic Development:

- Community led Agricultural Water Management (CAWM) established at Fulbari WMG. Here HYV BRRI dhan 52 introduced instead of local T. Aman which was used to cultivate.
- Zero tillage mustard cultivation newly introduced in the 34/2-part polder at Fulbari, Vandarcoat and Dhadua WMG.
- Organized RFs 1 batch training and market visit for introducing market actors.
- Cropping Intensity Initiatives (CII) demonstration established at Dhadua, Vandarcoat and Ranajiterhula WMG and under this demonstration we successfully demonstrate cropping pattern as T. Aman-Zero tillage mustard-Boro-Vegetables and cropping intensity increased up to 312 % instead of 180 %.
- 16 FFSs under 12<sup>th</sup> cycle completed which 12 FFS for Poultry and 4 FFS for Vegetables. 13<sup>th</sup> cycle FFS is running which 8 FFS for poultry, 5 FFS for beef fattening and 2 FFS for fish culture.

- For technology adoption BGP organized 19 FFD (poultry-12, vegetables-4, HYV T. Aman-1, Zero tillage Mustard-1 and Boro rice cultivation-1).
- Established Collective Action (CA) on Tamarind selling (Involves 35 persons and sold 250 kg which value was 12500.00 BDT) and Moringa selling (Involves 40 persons and sold 500 kg which value was 20,000.00 BDT).
- Livestock vaccinator training completed for two persons in polder 34/2 part.
- Organized market linkage workshop and market visit for Resource Farmer (RF) capacity building.

## Lessons learnt

- LGIs support for implementation of every work is an important factor. Polder 34/2 part covering 3 no. union parished. But under Baliatoli union every work completely timely and smoothly due to supportive union chairmen.

## 2019 / 2020 Objectives

- Capacity development of WMOs specially WMA so that they can utilize the resources of inside and outside of the polder for implementing their Annual Action Plan.
- New technology dissemination in the polder level about poultry rearing, vegetables cultivation, beef fattening, HYV rice cultivation, zero tillage mustard cultivation.
- Strengthening networking and develop partnership of WMAs with LGIs, BWDB, DAE, DoF, DLS, BADC, LGED, Private sectors and others agencies.
- Ensure sustainable water management at catchment level as well as polder level.
- Improve IPWM and storage water in the dry period for Rabi crops.
- Preparation for polder phasing out and leaving functional WMOs.



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

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>1.0</b>	<b>Organizational Management</b>													
1.1	Assist to organize Annual General Meeting of WMGs	19	X	X										X
1.2	Assist WMGs to prepare and finalize WMG Action Plan	19	X	X										X
1.3	Assist WMG to organize monthly meeting	19	X	X	X	X	X	X	X	X	X	X	X	X
1.4	Assist WMG to increase O&M fund and use of fund	19	X	X	X	X	X	X	X	X	X	X	X	X
1.5	Assist WMG to collect saving and its use for IGAs	19	X	X	X	X	X	X	X	X	X	X	X	X
1.6	Assist WMA to organize bi-monthly meeting	6	X		X		X		X		X		X	
1.7	Facilitate WMA to create general fund	As require	X	X	X	X	X	X	X	X	X	X	X	X
1.8	Facilitate Catchment O&M sub-committee in preparation and implementation of O&M Plan	12	X	X	X	X	X	X	X	X	X	X	X	X
1.90	Motivate WMA to established WMA office	1	X	X	X	X	X	X	X	X	X	X	X	X
1.1	Facilitate WMA for preparing WMA Action Plan, summarize O&M catchment plans and its implementation	1	X											X
1.11	Primary discussion with WMA about O&M Agreement	1	X											
1.12	Facilitate WMA to sign O&M agreement with BWDB	1	X											
1.13	Orient WMA about O&M Agreement and the concerned organizations/institutions	As require		X	X	X	X	X	X	X	X	X	X	X
1.14	Review and follow-up the implementation progress of O&M Agreement and provide support to take necessary action	As require		X	X	X	X	X	X	X	X	X	X	X
1.15	Motivate WMA to encroachments of illegal use and make functional of water management infrastructures	As require	X	X	X	X	X	X	X	X	X	X	X	X
1.16	Assist and motivate WMA to develop internal coordination among the WMGs and their leaderships	As require	X	X	X	X	X	X	X	X	X	X	X	X
1.17	Assist WMAs to monitor WMG's activities	19	X	X	X	X	X	X	X	X	X	X	X	X

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
1.18	Facilitate and provide necessary information and idea to WMA to get the occupancy of unused resources of BWDB from concerned govt. authority	As require	X	X	X	X	X	X	X	X	X			
1.19	Assist WMGs to form LCS and Mobilization	12						X	X	X	X	X		
1.20	Identify the best practices at polder level and assist WMA to upscale those best practices through formal/infrm horizontal learning.	20	X	X	X	X	X	X	X	X	X			
1.21	Expansion of Collective Actions (CAs) in numbers	19	X	X	X	X	X	X	X	X	X	X	X	X
1.22	Facilitate WMA to build up linkage & networking with LGIs, BWDB, DAE, BADC, DLS, DOF, Private sector and others	19	X	X	X	X	X	X	X	X	X	X	X	X
1.23	Organize Horizontal Learning (HL)	10	X	X	X	X	X	X	X	X	X			
<b>2.0</b>	<b>Water Resources Management</b>													
2.1	Embankment Re-sectioning (km)	3.043					X	X	X	X	X	X		
2.2	Retired Embankment (km)	2.00	X				X	X	X	X				
2.3	Repairing Reg/sluices (Nos)	5.00				X	X	X	X	X	X	X	X	X
2.3	Construction of new sluices (Nos)	3.00				X	X	X	X	X	X	X	X	X
2.4	Re-excavation of khals (km)	17.50					X	X	X	X	X	X		
<b>3.0</b>	<b>Agriculture and Economic Development</b>													
3.1	Linkage development with private sector for vegetables demonstration	2				X	X	X	X	X				
3.2	Training on Post-harvest management of Vegetables for Resource Farmers.	Selected RFs						X						
3.3	Demonstration on Boro Rice by Private sector	1						X	X	X	X	X		
3.4	Workshop with WMO to promote collective action, business planning and linkage with stake holder	1					X							
3.5	Established Community Led Agricultural Water Mangement (CAWM)	3	X	X	X	X	X	X	X	X	X	X	X	X
3.6	Established Cropping Intensity Initiatives (CII) demonstration for year-round	2	X	X	X	X	X	X	X	X	X	X	X	X
3.7	Farmers orientation on CII implementation process (WRM, cropping pattern & production technique)	1 batch	X											

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
3.8	Crop cutting Farmers Field day on CII	6					X		X				X	
3.9	Assist FT to facilitate FFS on 13 cycle	15	X	X	X	X								
3.10	Farmers Field day observe for 13 cycle	15			X	X								
3.11	Endline survey (FFS)	15				X								
3.12	Resource Farmers Capacity Building Training	1 batch		X										
3.13	Market Visit of Resource Farmers	15												
<b>4.0</b>	<b>Training and Communication</b>													
4.1	Video screening on good practices	4				X	X							
4.2	Phase out drama show	4					X	X						
4.3	Video preparation on good practices	As require	X	X	X	X	X	X						
4.4	Organize Catchment level O&M plan sharing workshop with WMAs	1	X											
4.5	Organize Upazila level Catchment O&M plan sharing workshop	1		X										
4.6	Planning workshop for Rabi crops for CAWM areas	1				X								
4.7	Organize crop cutting festival for CAWM area	1					X							
<b>5.0</b>	<b>Gender Mainstreaming</b>													
5.1	Coutyard Meeting on Gender and Leadership	40	X	X	X	X	X	X	X	X	X			
5.2	Assist WMGs to enroll at least 45 % female as general members	19	X	X	X	X	X	X	X	X	X			
5.3	Women empowerment through horizontal Learning	5				X	X							
5.4	Observe of International Women's Day (IWD)	1									X			
<b>6.0</b>	<b>Monitoring Reflecting and Learning</b>													
6.1	Facilitate WMGs/WMA to conduct participatory monitoring	40				X						X		
6.2	Capacity development of WMG/WMA to continue participatory monitoring	As require	X	X	X	X	X	X	X	X	X	X		
6.3	WMG tracker data collection from WMGs	38			X			X			X			
<b>7.0</b>	<b>Others</b>													

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
7.1	Polder coordination meeting	12	X	X	X	X	X	X	X	X	X	X	X	X
7.2	Through coordinating the competency of polder team members in carrying out capacity building activities for WMA by the polder teams	As require	X						X					
7.3	Document of all success story/case study	As require	X	X	X	X	X	X	X	X	X			

## Annex C: Satkhira Zonal Plan

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

#### Progress to end-June 2019

#### Organizational Management

WMG election has been done in 27 WMGs among the targeted 31 WMGs. Formation of 1 WMG was long pending which was completed and they also obtained registration. AGM for 54 WMGs completed out of targeted 58 WMGs. Capacity building action plan developed for 3 WMAs. WMA election and AGM completed in 3 WMAs, and they also obtained registration. Increased O&M fund 45%, from last year Tk. 169,268 to this year Tk. 246,216. 12 O&M sub-committees have been formed who developed catchment level O&M plan which was endorsed by WMAs. And 5 sub-committees (on CFWM, CLF, Agri-machineries) were formed. 22 HL events (i.e. LCS, CAWM, CFWM, Bashak, Summer tomato, FFD) were organized which was participated by 49 WMGs. And, 7 workshop events were organized on CAWM, CFWM, Bashak, catchment planning, women empowerment and mango. 49 WMGs were ranked as performance category 'A' from the last year 8 WMGs (source: PM result, April, 2019).

#### Water Resource Management

About 30 km Khals re-excavation already completed and 4 km Khals re-excavation are running (Progress is 40%). 35 km resectioning of the embankment completed and about 1 km are running (Progress is about 50%). Re-construction of 3 Sluices (Chapra, Madra and Moheswarkati Drainage Cum Flushing Sluice) had been completed and construction works of 2 Regulators (Hazikhali and Budhhata Drainage Cum Flushing Regulator) are running (Progress is about 20%). 0.478 km low cost temporary protective works already completed. Repairing works of 7 Sluices are running. Construction works of 4 Box Culverts have already been completed and 1 Box Culvert construction works are continuing. Construction works of 2 Pump Sheds are running now.

#### Agriculture and Economic Development

4 CAWM, 1 CFWM, 1 CLF and 6 CII were demonstrated. Scaled up summer tomato cultivation at 30 plots under 9 WMGs. FFS 12 cycle was conducted at 13 WMGs on poultry and vegetable and FFS 13 cycle is started at 19 WMGs on poultry and beef fattening. Provided capacity to 5 poultry workers and 3 livestock workers who are earning through vaccination ranges from Tk. 3000 to Tk. 6000. Training on market orientation, resource farmer and market actors were organized.

#### Lessons learnt

- The second election is very important both for WMGs and WMAs. It created opportunity and offered to good representation at executive body of WMG and WMAs, rectified properly after three years' experience and understanding the leaders hidden objectives. Changes leadership is one step ahead towards making the WMGs sustainable.
- Catchment sub-committee and the facilitators are identified as extended hands of WMAs who are well equipped with local knowledge, problem identification, mapping exercise and planning and also are enthusiastic to implement the catchment O&M plan.
- Community led fisheries water management at the fallow land during monsoon become very familiar among the fish farmers, tested as very beneficial within 3-5 months.
- The largest collective action (engaging 313 marginalized women) is established for selling bashak leaf during their lean time. Average earning ranges from Tk. 2500 to Tk. 3500/women/month.
- Horizontal learning on LCSs earth works (re-sectioning of the embankment and khals re-excavation) appeared effective tools to ensure work as per design specifications for WMGs/LCSs.

#### 2019 - 2020 Objectives

Planned to handing over this polder in December, 2019.

- Strengthening partnership between WMOs and UPs, BWDB, DAE and SPs
- Promote collective action and market linkage for economic development
- Scale up new technology for crop production and increasing cropping intensity
- Making all arrangement to handing over and leaving functional WMGs.

#### 2019 - 2020 Planned activities

Planned Activities	Why we'll do
Involve BWDB, DAE, UP, BADC representative at the annual general meeting of WMAs and WMGs	To increasing coordination with relevant departments and smooth completion of works within the stipulated time
Strengthening network and partnership between WMOs, UPs, BWDB, DAE and other service providers	<ul style="list-style-type: none"> <li>• We want WMGs are self-sustaining and accessing different services around them</li> <li>• Have good/institutional partnership through membership at UP Standing Committee</li> </ul>
Increase events of horizontal learning on different best practices	To scale up best practices and sharing farmers learning to farmers
Small scale water management infrastructures by WMGs	Fallow land can be brought under Aman Paddy or to increase cropping intensity by reducing water logging
Increase events of collective actions	<ul style="list-style-type: none"> <li>• For strengthening economic development</li> <li>• To make the WMGs sustainable</li> </ul>
Increase O&M fund for WMOs and fund use for implementation	Enhance capacity for O&M and timely initiatives
Gender mainstreaming through awareness meetings, collaboration with UP and women economic development	<ul style="list-style-type: none"> <li>• To reduce gender discrimination and violence against women.</li> <li>• To increase leadership and decision-making capacity</li> </ul>
Scale up new agricultural technologies i.e. summer tomato cultivation, Pen Culture activities, CAWM, CFWM	For better production and income
Conduct regular health check of the WMGs and WMAs	To check how they are going and identify the area of improvement
Organize O&M agreement ceremony between BWDB and WMAs	Separate role and responsibility and endorsed by respective parties to implement O&M activities when BGP will not be existed.
Arrange regular zonal and polder level coordination meeting	Progress review and share responsibility for action

## Annual Work Plan of Polder 2 with timeline

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>A</b>	<b>Organizational Management</b>													
1	Facilitate review last year O&M catchment plan and formulate new plan for 2019-2020.	12 catchment O&M plans	x											
2	Follow up and support to WMAs and catchment committees for implementation of catchment O&M plan	12 catchment O&M plans	x	X	x	x	x	x						
3	Facilitate WMGs for WAP formulation and implementation	64 WMGs	x	X										
4	Review and update the WMAs capacity building action plan and follow up implementation	3 WMAs	x					x						
5	Facilitate and support for voluntarily implement of IPWM, O&M (field channel, routine maintenance of outfall channel, removal water hyacinth, removal of net/ pata etc.)	64 WMGs	x	X	x	x	x	x						
6	Collective Actions (CAs)	64 WMGs	x	X	x	x	x	x						
7	Follow up implementation of DAE cash grants	47 WMGs	x	X	x	x	x	x						
8	Increase O&M Fund and fund use for implementation	64 WMGs	x	X	x	x	x	x						
9	Organize Horizontal Learning	20 Events			x	x	x	x						
10	Identification good practices and preparation fact sheets, case studies etc.	3 WMAs	x	X	x	x	x	x						
11	Facilitate to WMGs for organizing Annual General Meeting	64 WMGs	x	X										
12	Facilitate to WMAs for organizing Annual General Meeting (approval of WMA action plan, catchment O&M plan etc.)	3 WMAs	x											
<b>B</b>	<b>Water Resource Management</b>													
1	Re-excavation of Khal (carried over)	5Km	x	X	x	x	x	x	x	x	x	x	x	x
2	Re-excavation of Khal (New)	2Km					x	x	x	x	x	x	x	x
3	Re-sectioning of embankment (carried over)	1Km	x	X	x	x	x	x	x	x				
4	Re-sectioning of embankment (New)	2Km					x	x	x	x	x	x	x	x
5	Construction of culverts	5	x	X	x	x	x	x	x	x	x	x	x	x
6	Repair of sluice	10	x	X	x	x	x	x	x	x	x	x	x	x

S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
7	New construction of sluice	2	x	X	x	x	x	x	x	x	x	x	x	x
8	Pump shed construction	4	x	X	x	x	x	x	x	x	x	x	x	x
9	Low cost bank protection	1Km	x	X	x	x	x	x	x	x				
10	Drainage pipes	300m	x	X	x	x	x	x	x	x				
11	Internal dyke	5km						x	x	x	x	x	x	x
12	O&M works (Ghogs, Rain cut, Slope repairing, removal of slushy earth)	In between 0-52 km						x	x	x	x	x	x	x
13	SSWMI	39 schemes under 33 WMGs	x	X										
<b>C</b>	<b>Agriculture and Economic Development</b>													
1	Follow up old FFS	106 FFS	x	X	x	x	x	x						
2	FFS cycle -13 (poultry and livestock)	19 FFS	x	X	x									
3	Organize FFD	19 FFD		X	x									
4	Facilitate DAE FFS activities	135 FFS	x	X	x	x	x	x						
5	End line survey (FFS) by TA part	149 HHs			x	x								
6	Organize Vaccination camp (Poultry, Cattle, Goat etc.)	10 events			x	x	x	x						
7	Establish CII demonstration at WMGs	9 WMGs	x	X	x	x	x	x						
8	Crop cutting Field day under CII	9 events				x	x							
9	Farmers orientation on CII implementation process (cropping pattern & production technique)	1 batch	x	X										
10	Promote Bashok marketing	10 WMGs	x	X	x	x	x	x						
11	CAWM Implementation	2 nos.	x	X	x	x	x	x	x	x	x	x	x	x
12	Scale up summer tomato cultivation	40 farmers	x	X	x	x	x							
13	Crop cutting at CAWM areas	2 nos.				x	x							
14	CFWM Implementation	2 nos.	x	X	x	x	x	x						
15	Assist to WMG/WMA to establish linkage with Private sector for establish Vegetables demonstration.	4 dem			x	x	x	x						
16	Training on Post-harvest management of Vegetables for Resource Farmers.	1 batch						x						



S.N	Task Name	Target	2019						2020					
			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
17	Linkage building meeting among Vegetables arottdar and Resource Farmers	1 batch						x						
18	Workshop with WMO to promote collective action, business planning and linkage with stakeholder	1 W/S					x							
19	Refresher training of trained input retailers and linkage building with WMA.	1 batch				x								
<b>D</b>	<b>Training and Communication</b>													
1	Workshop on Development Partnership for Implementing O&M Plan	1 event		X										
2	Organize O&M agreement (between WMAs and BWDB) ceremony	1 event	x											
3	Organize crop cutting festival for CAWM area	1 event					x							
4	Drama named Pani Byabosthaponay Amra (We are for water management)	1 event (at SSM WMA area)					x							
5	Drama on business orientation and Gender issue	3 events (WMA consideration)					x							
<b>E</b>	<b>MRL Activities</b>													
1	Participatory Monitoring WMG level	1 time				x								
2	Participatory Monitoring WMA level	1 time					x							
<b>F</b>	<b>Innovation Fund</b>													
1	Assist IF programs being implemented by mPower on livestock services	As require	x	X	x	x	x	x						
<b>G</b>	<b>Gender Mainstreaming</b>													
1	Conduct Court Yard Sessions on GLD (using printed flip chart)	58 WMGs, 93 groups and 186 sessions	x	X	x	x	x	x						
2	Organize HL event on women empowerment	2 events					x	x						

## Annex D: Patuakhali Zonal Plan

### Progress to end-June 2019

Achievements of the Zonal activities are as follows:

- WMA reformation of 18 at 07 polders and formation 2 in Polder 47/4 and 47/3
- 18 WMAs has signed O&M agreement with BWDB and initiated responsibilities of Polder water management through Polders operation and maintenance for increase production and income.
- Internal Polder Water Management (IPWM) implementing with the involved of 98 WMG in the Polders;
- No. of 180 WMGs are implementing small structures (branch of channels, gated pipe culvert for drainage and water restorage) with co-founding system between BGP and WMGs for improvement of field crop water management.
- 15 Community led Agricultural Water Management (CAWM) successfully implemented in different polders resulting increased production, changing cropping pattern and introduce modern technology in agricultural sector in BGP Polders.
- Linkage development with the Union Parishad, BWDB, DAE, BADC, DLS and DoF through different activities and field program;
- Most of the rehabilitation work will be completed excluding 12 no. sluices, 16 no. outlets and some LCSs works due to inevitable problems so, water management is improving and polder scenario has been moving i. e. changing cropping pattern, increased production and diversified of crop field. Ultimately, Polder socio-economic condition is improving.
- Total 160 FFSs has been implemented i, e. poultry, fish, home state grading, beef fattening and fruit tree management for economic development and nutrition.
- Supported WMAs to prepare WMA Action Plan ensuring WMA as an apex body of WMGs and will play an important for polder management of BGP i.e. monitoring/supporting of WMGs activities and maintain linkage with BWDB, DAE, BADC, DOF, DLS, private sectors and other servicing agencies for institutional, water management and economic aspects;
- Facilitated Catchment O&M sub-committee for preparing catchment level O&M planning;
- O&M catchment plan has been completed in phase 1 and phase 2 Polders for 77 catchment level water management with coordination of WMA as well as polder level water management.
- Recognised different good practices at polder level benefit from water management and collective action i.e. CAWM, CII or other WMGs' initiatives (water storage for irrigation of Rabi session, re-excavation-excavation internal /branch channels and wooden box culvert manufacturing etc);
- Assist to Polder team to take women empowerment initiatives, organized gender main streaming, market linkage and women empowerments training/orientations for project staff and as well as WMOs male-female members resulting are: more women involved in polder agricultural sector and increased their mobilities at deferent level market as well as Government/non-government offices.
- 639 ha agricultural land has replicated in Patuakhali local variety to modern variety in T. Aman session through formal or informal exposure visit/experience sharing/horizontal learning visits.

### Lessons learnt

- Horizontal Learning/experience sharing is very effective to extension good/successful practice.
- Farmers will be improving their socio-economic condition through collective action.

- Linkage development is power to get development opportunity from development agencies.
- In Polder water management is key factor to improve crop production and change cropping pattern in relation to community coordination.

### 2019 - 2020 Objectives

Patuakhli Zonal team always assisting to prepare WMGs/WMAs action plan for organizational capacity strengthening in respects water management through O&M planning and implementing, linkage development with LGIs and other development partners. Use local properties for their won development and also use outside resources for increase agricultural production and income. Regarding those purpose Patuakhli Zonal team sets following objectives:

- Established functional WMGs/WMAs;
- Established Polder and in polder sustainable water management for increase productions and income;
- Linkage development between WMAs and BWDB, DAE, LGIs, Private sectors;
- Experience shearing visit and horizontal learning program initiate to adaptation good practices;
- Through community coordination implement catchment O&M plan;

### 2019 - 2020 Planned activities

Major planned activates of Patuakhli Zonal team as follows:

- Assist WMGs and WMAs for capacity building activities
- formulate and implement Annual Action Plan (WAP);
- Assist to organize regular monthly/bi monthly WMOs meeting
- Assist to organize duly Annual General meeting;
- Encourages collective action (CA) program
- Assist communication/coordination develop within WMOs and between WMAs BWDB, DAE and LGIs;
- Assist catchment and sub catchment level water management plan and its implementation
- Assist to involve participatory monitoring on WMOs activities and rehabilitation implementation;
- Establish demonstration on modern varieties at IPWM/CAWM scheme areas;
- Support polder team to identify resources inside and outside of the polder;
- Addressed Good practices and dissemination/adaptation at polder level through HL;
- Encourages to WMOs mainstreaming gender related issues and women empowerments
- Organize O&M agreement signing ceremony;

## Annual Work Plan of Patuakhali Zone with timeline

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<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	Prepare polder wise Half Yearly Report	20	X						x					
3	Annual plan review and shaing with Polder team	10 Polders	X	x	x	x	x	x	x	x	x	x	x	x
4	Assit to PT to WMA capacity building	10 Polders	X	x	x	x	x	x	x	x	x	x	x	x
5	Assist to PT to Prepare and implementation Catchement level water management and O&M planing	10 PT	X	x	x	x	x	x	x	x	x	x	x	x
6	Attend Polder Coordination meeting	60	X		x	x	x	x	x	x	x	x	x	x
7	Conduct health check session of WMGs	187	X	x	x	x	x	x	x	x	x	x	x	x
8	Conduct Staffs performane Appraisal	All CDFs					x							
9	Coordination with LGIs	6 UZ												
10	Assist WMAs to sign O&M agreement with BWDB	3 Polders				x	x							
11	Assist to PT to implemente IPWM activities	10 PT	x	x	x	x	x	x	x	x	x	x	x	x
12	Gender and Leadership Development training by CDFs through CYS with WMOs and its Members	56	x	x	x	x	x	x	x	x	x	x	x	x
13	CYS and general discussssion with women and men for increasing decision making and leadership	21	x	x	x	x	x	x	x	x	x	x	x	x
14	Workshop with UP on Wmen empowerment	2	x	x	x	x	x	x	x	x	x	x	x	x
15	Training on Market Linkages and Women's Empowerment I 2-days training)	18	x	x	x	x	x	x	x	x	x	x	x	x
16	Assist to PT to observe inernational day	10 PT					x				x	x		
17	Assist to PT to take women empowerment initiatives	10 PT	x	x	x	x	x	x	x	x	x	x	x	x
18	Organize workshop on catchment plan sharing at upazila level	6 UZ	x	x	x	x	x	x						
<b>B</b>	<b>Water Resource Management</b>													
1	Re-sectioning of embankment (km)	14.96					x	x	x	x	x	x		
2	Retired embankment (km)	8.14					x	x	x	x	x	x		
3	Re-excavation of khals	102.35						x	x	x	x	x		
4	Repair of sluice with gate	52					x	x	x	x	x	x		
5	Repair of inlet/outlet with gate	12					x	x	x	x	x	x		

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
6	Construction drainage sluices (nos)	12					x	x	x	x	x	x	x	x
7	Construction drainage outlet (nos)	15					x	x	x	x	x	x	x	x
8	Construction irrigation inlet (nos)	5					x	x	x	x	x	x	x	x
9	Construction culvrt (nos)	5					x	x	x	x	x	x	x	x
10	Supply of drainage pipe (m)	1000					x	x	x					
<b>C</b>	<b>Strengthen Value Chain/Agriculture production and Business Development</b>													
1	TA FFS conduction (nos.)	40	x	x	x	x	x							
2	FFS RF capacity building training and market visit (RF)	40 RFs	x	x										
3	Sharing Workshop with DAE/DLS/DoF and others relavent stakeholders	1					x	x						
4	Refresher training for Agro inputs Trader (Who are received training last years)	50					x	x						
5	Assit to polder team to organize linkage building workshop with WMO and private sectors	10 PT		x	x									
6	Trial on potential profitable cropping systems/ technologies followed by chance crop (CII)	3 polders	x	x	x	x	x	x	x	x	x	x	x	x
<b>D</b>	<b>Environmental Sustainability and DRR</b>													
1	Assist to Polder Team to organize awareness meeting with WMOs on environment and DRR issues	10 PT	x	x	x	x	x	x	x	x	x	x	x	x
<b>F.</b>	<b>Communication and Horizontal Learning</b>													
1	Assit to polder team 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	Assist to Polder Team to organize horizontal learning events	12 events	x	x	x	x	x	x	x	x	x	x	x	x
4	Learning/sharing workshop (Zone level)	1							x					
5	Provide write-up/case study for BGP Barta/report etc.	15												
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>													
1	Consultation meeting with WMG/Community	20											x	x
2	Area/field selection finalization	13 WMGs											x	x
3	Facilitate & Assist CAWM activities	13 WMGs	x	x	x	x	x	x	x	x	x	x	x	x

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
4	Water Management Infrastructures Development (cannel excavation, pipe instalation, culvert construction etc.)	13 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
5	FFD/Crop cutting events and reporting	13					x	x						

## Polderwise Annual Work Plan of Patuakhali zone

### Phasing-out Polders:

#### D.1 Polder 43/1A

##### Progress to end-June 2019

- O&M agreement between WMA and BWDB have been signed and distributed;
- WMGs are working according to their action plan as a result they got the capacity to do better water management, increased production by using HYV thus the WMG members individually benefitted;
- 14 WMGs collected Tk. 15,100 from farmers during Aman season for O&M purpose with assistant of WMA;
- 2.500 km khal re-excavation work, Amtola sluice repairing work is on-going;
- 12 nos. of FFS have been completed under 12 cycle modules on Poultry-22;
- Catchment level Water Management and O&M Plan preparation have been completed and they are performing according to plan;
- 20 nos. female members have been constructed modern poultry shed
- 5 nos. Vaccination Camp organized by WMGs;
- 36 nos. of courtyard meetings conduct at WMGs level for gender awareness;
- About 455 members in 11 WMGs collectively purchasing agriculture inputs like seeds, fertilizers, pesticide, tillage and selling products resulting good relationship has developed with different inputs and output market actors;
- Purba Kewabunia WMG re- excavated field channel about 200m during Amon season for drainage and irrigation purpose;
- Purba Shakharia WMG, Paschim Sonakhali WMG, Khakdon WMG removed water hyacinth from Narikaltala Khal-500m, Aruar Khal-500m, Kukuar Khal-500m, Bowsher Khal 200m and kartiker khal 200m through used O&M fund & voluntary;
- 5 WMGs repaired ghogh of Embankment;
- Polder team organized 5 nos. informal Horizontal Learning events on Water Managements and Organization activities.
- Established relationship with different organizations like UP, BWDB, DAE, BADC, NGOs which helps to get support to smooth running of WMG activities;

##### Lessons learnt

- Horizontal learning is an essential tool to transfer technologies and to create an adaptive environment
- To execute catchment plan, creating fund for O&M should be regularized and the participation of WMG members/farmers would be ensured
- For active performance of WMOs good communication with UP, BWDB, DAE, BADC and other service providers is essential as well as support to WMOs from these organization would be helpful
- Collectively buying and selling agricultural inputs and products created an enable environment to WMGs` members for saving time and make economically benefitted
- Through implementation of smalls scale water management infrastructures under IPWM program farmers became united and able to bring a large area under cultivation by removing water logging

problem

- CAWM is a program which made farmers united, motivated to adopt new technologies, motivated for water management within the crop field by themselves, adopt collective action.

#### 2019 - 2020 Objectives

- Assist WMAs for fundraising from internal/external resources.
- Assist to establish active relationship between BWDB and WMA thus BWDB can regularly help to WMA in operation and maintenance activities.
- Build up professional relationship among WMA, WMG and Catchment Committee.
- WMOs (WMGs & WMAs) and O&M catchment Committee become capable to up-date their action plan regularly.
- WMAs would be capable to support WMGs such as:
  - Executing WMGs Annual Action Plan;
  - Collection of season-based O&M fund from farmers,
  - Establish strong Linkage with WMGs, UP, BWDB, BADC, DAE, DLS and DoF officials;
  - WMGs Participatory Monitoring by themselves;
  - To mitigate conflict resolution on water management/other issues;
  - To ensure the sluice gate operation by the gate operator according to demand of WMGs/ farmers;
  - To ensured routine maintenance of water management structures;
  - Assist to Catchment O&M Sub-Committee to perform catchment O&M Plan.
- Efficiency will increase of Community based Service Providers (FT, CAHW, RF, RP etc.).
- More farmers of the polder area to be adopted modern agricultural technologies for crop cultivation.



## Details Planned Activities for FY 2019-20 (Polder 43/1A)

S. N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A</b>	<b>Organization and Equitable Water Management</b>													
1	Bi-monthly WMA meeting (2 WMA X 6)	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
2	WMA WAP preparation and approval in AGM	2 Nos.	x	x										
3	Annual General Meeting in WMA	2 Nos.	x	x										
4	Accompaniment support to WMA for excution of O&M Agreement	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
5	Provide support to WMA to implement their WAP	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
6	WMA fund raising initiatives	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
7	Provide Support to O&M Sub-Committee and WMA to implement Catchment level Water Management and O&M Plan Implementation	5 Catchments	x	x	x	x	x	x	x	x	x	x	x	x
8	Establish functional linkage & network of WMA with GO & PS, LGI	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
9	Assist to WMA to establish WMA Office room	2 Nos.	x	x	x	x								
10	WMA Participatory monitoring session conduction	2 WMAs				x						x		
11	Organise Collective Action (Economic activity) in WMGs	14 WMGs	X	X	X	X	X	X	X	X	X	X	X	X
12	Continue assisting WMGs & WMA to improve performance	14 WMGs & 2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
13	Fund mobilize for O&M activities in WMGs	Tk. 50000	x	x	x	x	x	x	x	x	x	x	x	x
14	Women empowerment initiatives in WMAs and WMGs	14 WMGs & 2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
15	Sluice Gate Operation and maintenance orientation for gatekeepers (Practical)	1 Batch					x							

S. N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
16	WMGs Action Plan (WAP) prepare and execute	14 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
17	WMGs Participatory monitoring (PME session conduction)	28 Nos.				x						x		
18	WMG's Annual General Meeting (AGM) and WAP approve	14 WMGs	x	X										
19	Formation of WMA Monitoring committee for rehabilitation work	2 Nos.				x								
20	WMG Monthly meeting (14 WMGsx12)	168 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
21	Saving Collectionin in WMGs	Tk. 80000	x	x	x	x	x	x	x	x	x	x	x	x
22	Initiate Collective IGAs in WMGs	14 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
23	International day observation by polder level	4 Nos.					x				x	x		
24	Polder Coordination Meeting	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
25	Phasing out Consultation meeting with WMGs and exit	14 WMGs					x	x						
26	Consultation meeting with WMA and exit	2 WMAs						X						
<b>B. Water Resources Management and Infrastructure Development</b>														
1	Repair of sluice	1					x	x	x	x	x	x	x	x
2	Supply drainage pipe	500 m				X	x	x						
<b>C. Strengthen Value Chain/Agriculture and Economic Development</b>														
1	Backstopping Old FFS (networking support)	34 Nos.	x	x	x	x	x	x						
2	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	1 Nos.	x	x										
3	Training on post harvest handling and management for RF	1 Nos.					x	x						
4	Linkage meeting between WMOs and VC actors	10 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
5	Follow-up support to Community led Fisheries (CLF)	1 Nos.	x	x	x	x	x	x	x	x	x	x		

S. N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Awareness meeting with WMOs on environment and DRR issues	14 Nos.					x					x		
<b>E.</b>	<b>Communication and Horizontal Learning</b>													
1	Identification of good practices	10 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	10 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing HL/experience sharing events/vigits	10 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
4	Booklet, flipchart, leaflet, poster distribution	14 WMGs & 2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
5	BGP barta distribution and feedback	14 WMGs & 2 WMAs				x			x			x		
6	Drama and video show	2 Nos.					x	x						
7	O&M awareness notice instalation at sluice site	5 Catchments	x	x										
<b>F.</b>	<b>Community Agriculture Water Management (CAWM)/SSIPWM</b>													
1	IPWM/Small Scale Infrastructures scheme implementation	11 WMGs	x	x										
2	Demonstration at IPWM field	1 Nos.	x	x	x	x	x	x	x	x	x	x		
3	Crop cutting festival	1 Nos.						x				x		

## D.2 Polder 43/2A

### Progress to end-June 2019

- WMGs are working according to their action plan as a result they got the capacity to do better water management, increased production by using HYV thus the WMG members individually benefitted;
- 17 WMGs collected tk. 58,700 from farmers during Aman season for O&M purpose with the assisted of WMA;
- 28.750km khal re-excavation work, construction 700m retired Embankment and 01 sluice construction work is on-going
- 12 nos. of FFS have been completed under 12 cycle on Poultry module
- 3 WMGs (Patukhali WMG, Dakshin Bighai Dakshin and Nandipara-Maderbunia WMG) arranged rented office
- 06 WMGs (Paschim kewabunia WMG, Purba Titkata WMG, Dakshin Bighai Dakshin, Dakshin Titkata, Paschim Matibanga WMG and Hortakibaria WMG) excavation field channel about 1120m during Amon season for drainage and irrigation purpose.
- 460 members of 11 WMGs collectively purchasing agriculture inputs like seeds, fertilizers, pesticide, land tillage and selling products resulting good relationship has developed with different inputs and output market actors;
- 5 WMGs and WMA jointly clean water hyacinth, fishing net, removed illegal cross bund from Gojalia, kacharibari and Alimuiddin Khal.
- Paschim Matibanga WMG and Choto Bighai Union parishad jointly installed RCC gated pipe;
- Hortakibaria WMG and Choto Bighai Union Parishad jointly constructed a dyke about 1.500 km, resulting 15ha land will be benefitted;
- 2 nos. of CAWM are being implemented and another 1 no. has been taken for next year;
- 30 nos. of courtyard meetings conduct at WMGs level for gender awareness;
- Polder team organized 5 nos. informal Horizontal Learning events on Duck raring, Water Managements and Organization activities.
- 12 nos. Vaccination Camp organized by WMGs;
- Established relationship with different organizations like UP, BWDB, DAE, BADC, NGOs which helps to get support to smooth running of WMG activities.

### Lessons learnt

- Horizontal learning is an essential tool to transfer technologies and to create an adaptive environment.
- To execute catchment plan, creating fund for O&M should be regularized and the participation of WMG members/farmers would be ensured.
- For active performance of WMOs good communication with UP, BWDB, DAE, BADC and other service providers is essential as well as support to WMOs from these organization would be helpful.
- Collectively buying and selling agricultural inputs and products created an enable environment to WMGs` members for saving time and make economically benefitted.
- Through implementation of smalls scale water management infrastructures under IPWM program farmers became united and able to bring a large area under cultivation by removing water logging problem.

CAWM is a program which made farmers united, adopt new technologies, motivated for water management within the crop field by themselves, adopt collective action.

### 2019 - 2020 Objectives

- Assist WMAs for fundraising from internal/external resources.
- Assist to establish active relationship between BWDB and WMA thus BWDB can regularly help to WMA in operation and maintenance activities.
- Build up professional relationship among WMA, WMG and Catchment Committee.
- WMOs (WMGs & WMAs) and O&M catchment Committee become capable to up-date their action plan regularly.
- WMAs would be capable to support WMGs such as:
  - Executing WMGs Annual Action Plan;
  - Collection of season-based O&M fund from farmers,
  - Establish strong Linkage with WMGs, UP, BWDB, BADC, DAE, DLS and DoF officials;
  - WMGs Participatory Monitoring by themselves;
  - To mitigate conflict resolution on water management/other issues;
  - To ensure the sluice gate operation by the gate operator according to demand of WMGs/ farmers;
  - To ensured routine maintenance of water management structures;
  - Assist to Catchment O&M Sub-Committee to perform catchment O&M Plan.
- Efficiency will increase of Community based Service Providers (FT, CAHW, RF, RP etc.).
- More farmers of the polder area to be adopted modern agricultural technologies for crop cultivation.

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

S. N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A</b>	<b>Organization and Equitable Water Management</b>													
1	WMAs Executive Committee Election	1 WMA	x	x	x									
2	WMA Registration	1 WMA		x	x									
3	Bi-monthly WMA meeting (2 WMA x 6)	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
4	WMA WAP preparation and approval in AGM	2 Nos.	x	x										
5	Annual General Meeting in WMA	2 Nos.	x	x										
6	O&M Agreement between WMA and BWDB	1 Nos.		x	x									
7	Accompaniment support to WMA for excution of O&M Agreement	2 WMAs			x	x	x	x	x	x	x	x	x	x
8	Provide support to WMA to implement their WAP	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
9	WMA fund raising initiatives	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
10	Provide Support to O&M Sub-Committee and WMA to implement Catchment level Water Management and O&M Plan Implementation	6 Catchments	x	x	x	x	x	x	x	x	x	x	x	x
11	Establish functional linkage & network of WMA with GO & PS, LGI	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
12	Assist to WMA to establish WMA Office room	2 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
13	WMA Participatory monitoring session conduction	4 Nos.				x						x		
14	Organise Collective Action (Economic activity) in WMGs	18 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
15	Continue assisting WMGs & WMA to improve performance	2 WMA 20 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
16	Fund mobilize for O&M activities in WMGS	Tk. 80,000	x	x	x	x	x	x	x	x	x	x	x	x
17	Women empowerment initiatives in WMA and WMG	2 WMA 20 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
18	Sluice Gate Operation and maintenance orientation for gatekeepers (Practical)	1 Nos					x	x						
19	WMGs Action Plan (WAP) prepare and execute	20 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
20	WMGs Participatory monitoring (PME session conduction)	40 Nos.				x						x		
21	WMG's Annual General Meeting (AGM) and WAP approve	20 WMGs	x	x										

22	Formation of WMA Monitoring committee for rehabilitation work	2 Nos.						X	X					
23	WMG Monthly meeting (12x20 WMGs)	240 Nos	x	x	x	x	x	x	x	x	x	x	x	x
24	Saving Collectionin in WMGs	Tk. 200,000	x	x	x	x	x	x	x	x	x	x	x	x
25	Initiate Collective IGAs in WMGs	15 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
26	International day observation by polder level	4 Nos.					x				x	x		
27	Polder Coordination Meeting	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
<b>B. Phasing out Meeting with polder level stakeholders</b>														
1	Phasing out Consultation meetinbg with WMGs and exit	20 WMGs											x	x
2	Consultation meetinbg with WMA and exit	2 WMAs												x
<b>c. Water Resources Management and Infrastructure Development</b>														
1	Retired embankment	4.00km					x	x	x	x	x	x	x	x
2	Re-exavation of Khals	28.75 KM					x	x	x	x	x	x		
3	Construction of Drainage sluice	2 Nos.					x	x	x	x	x	x	x	x
4	Construction of Irrigation Inlet	3 Nos.					x	x	x	x	x	x	x	x
5	Construction of Culvert	1 Nos.					x	x	x	x	x	x	x	x
<b>D. Strengthen Value Chain/Agriculture and Economic Development</b>														
1	BG-TA FFS formation and conduction	16 Nos.	x	x	x	x	x	x						
2	Backstopping Old FFS (networking support)	32 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
3	Field Farmers day observein FFS	16 Nos.		x		x	x							
4	Baseline & Endline survey in FFS	16 Nos.	x			x	x							
5	FFS RF capacity building training and market visit	1 Nos.	x	x										
6	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	1 Nos.												
7	Training on post harvest handling and management for RF	1 Nos.			x	x								
8	Linkage meeting between WMOs and VC actors	10 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
9	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1 Nos.					x							
10	Follow-up support to Community led Fisheries (CLF)	1 Nos.	x	x	x	x	x	x	x	x	x			
<b>E. Environmental Sustainability and DRR</b>														

1	Awareness meeting with WMOs on environment and DRR issues	10 Nos.					x					x		
<b>F.</b>	<b>Communication and Horizontal Learning</b>													
1	Identification of good practices	15 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	15 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing HL/experience sharing events/vigils	10 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
4	Booklet, flipchart, leaflet, poster distribution	20 WMGs & 2 WMAs					x	x						
5	BGP barta distribution and feedback	20 WMGs & 2 WMAs	x			x			x			x		
6	Drama and video show	2 Nos.					x	x						
7	O&M awareness notice instalation at sluice site	6 Catchments												
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)/SSIPWM</b>													
1	Consultation meeting with WMG/Community	1 WMG	x											
2	Area/field selection finalization	1 WMG	x											
3	Facilitate & Assist CAWM activities	1 WMG	x	x	x	x	x	x	x	x	x	x	x	x
4	Water Management Infrastructures Development (cannel excavation, pipe instalation, culvart construction etc.)	3 WMG	x	x				x	x	x	x	x	x	x
5	FFD/Crop cutting events and reporting	1 WMG					x					x		
6	IPWM/Small Scale Infrastructures scheme implementation	13 WMGs	x	x										
7	Demonstration at IPWM field	4 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
8	Crop cutting festival	4 WMGs					x					x		



### D.3 Polder 43/2B

**Progress to end-June 2019:** The polder team continued to enhance WMOs by facilitating to equitable water management, strengthen value chain, water resource management, horizontal learning for improved productivity and profitability resulting from the rehabilitated water infrastructure and improved internal polder water management. Its interventions focused on WMOs as well as other stakeholders of the polder to increase the livelihoods of polder dwellers. So far, the major achievements in the polder are:

- WMOs have become responsive on water management activities including operation and maintenance of water resources infrastructures that resulting with prepared catchment level water management and O&M plan by O&M sub-committee, sluices and other infrastructures well operated, water hyacinth removed from 2.2km khal, excavated 2.9 km drainage field channel, and small repair of sluices and embankment;
- Improved water management situation that resulting with introduction of high vale crop like watermelon, chili, groundnut etc. Increased 5% HYV amon rice cultivation from last year but 40% increased from BGP inception in the polder;
- Increased job opportunity for women due to increased diversified crop cultivation like watermelon. Moreover, conduction of FFS activities there is increased HH economic activities;
- Increased O&M fund and members' savings in WMGs FY 2018-19 O&M fund collected Tk. 117,000 and expensed for O&M activities Tk. 115,000. Savings collected Tk. 112,420 and capital invested in different IGAs Tk. 714,000;
- As result of SVC interventions there is created enable business environment and market actors are capacitated to expand their business that resulting with increased availability of quality inputs (seeds, agro-chemicals, fertilizers etc.), increased embedded services to the producers from the private sectors such as during watermelon cultivation, private seeds' company representatives visited farmers' field and provided technical advices;
- Increased collective action in respect of O&M and economic development, such as water hyacinth clean from khals, cross dam made, and breach repaired with WMG members participation and input purchase (seeds, fertilizers, pesticides etc.) and product selling (3 WMGs involved with Grameen Euglena company) etc.

#### Lessons learnt

- In accomplishing the planned polder activities, we have learned some lessons so far;
- Construction/making Internal Polder Water Management (IPWM) infrastructures open the gate way for increasing productivity and profitability of agriculture farming through creating opportunity of crop diversification and increase cropping intensity;
- Labour intensive crop cultivation create job opportunity for the women, like watermelon and mungbean cultivation;
- If the WMGs collect savings and invest their capital in potential IGA then the WMG's members express interest to participate in organizational activities;
- Collective action on inputs purchase and land tillage is an important measure to reduce production cost for farmers that leads the increase of profit;
- Improvement of WRI and excavation/re-excavation of khals play an important role to accelerate the WMOs activities.

#### 2019 / 2020 Objectives

- It's a phase-out Polder. Objectives of the of this planning are as follows:
- Establish functional WMOs in the polder, thereby water management activities run well along with WRI operation and maintenance;

- Create enable economic development environment, thereby all segments of the polder dwellers take economic opportunity;
- Improve water management systems, thereby farmers can take diverse opportunity;
- Promote collective action, business planning and Linkage with private sector;
- Establish strong relations with UPs, WMOs and BWDB and DAE, DoF, DLS officials.

## Annual Work Plan for Polder 43/2B with timeline

S.N.	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A</b>	<b>Organization and Equitable Water Management</b>													
1	Bi-monthly WMA meeting (3 WMA)	18	x	x	x	X	x	x	x	x	x	x	x	x
2	WMA WAP preparation and approval in AGM	3	x	x										
3	Annual General Meeting in WMA	3	x	x										
4	Accompaniment support to WMA for execution of O&M Agreement	3	x	x	x	X	x	x	x	x	x	x	x	x
5	Provide support to WMA to implement their WAP	3	x	x	x	x	x	x	x	x	x	x	x	x
6	WMA fund raising initiatives	3	x	x	x	x	x	x	x	x	x	x	x	x
7	Provide Support to O&M Sub-Committee and WMA to implement Catchment level Water Management and O&M Plan preparation and Implementation	6	x	x	x	x	x	x	x	x	x	x	x	x
8	Establish functional linkage & network of WMA with GO & PS, LGI	As require	x	x	x	x	x	x	x	x	x	x	x	x
9	Assist to WMA to establish WMA Office room	1	x	x	x	x	x	x	x	x	x	x	x	x
10	WMA Participatory monitoring session conduction	6				x						x		x
11	Organize Collective Action in WMGs	20 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
12	Continue assisting WMGs & WMA to improve performance	3 WMA 28 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
13	Fund mobilize for O&M activities in WMGS	Tk. 84,000	x	x	x	x	x	x	x	x	x	x	x	x
14	Women empowerment initiatives in WMA and WMG	28	x	x	x	x	x	x	x	x	x	x	x	x
15	Sluice Gate Operation and maintenance orientation for gatekeepers (Practical)	1		x	x				x	x				
16	WMGs Action Plan (WAP) prepare and execute	28	x	x	x	x	x	x	x	x	x	x	x	x
17	WMGs Participatory monitoring (PME session conduction)	84	x		x			x			x			x
18	WMG's Annual General Meeting (AGM) and WAP approve	28	x											x
19	Formation of WMA Monitoring committee for rehabilitation work	3				x	x	x	x	x	x	x	x	
20	WMG Monthly meeting (12x28)	336	x	x	x	x	x	x	x	x	x	x	x	x
21	Saving Collection in in WMGs (Tk.)	250,000	x	x	x	x	x	x	x	x	x	x	x	x

S.N.	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
22	Initiate Collective IGAs in WMGs	25 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
23	International day observation by polder level	4					x				x	x		
24	Polder Coordination Meeting	12	x	x	x	x	x	x	x	x	x	x	x	x
<b>B.</b>	<b>Water Resources Management and Infrastructure Development</b>													
1	Retired embankment	2km					x	x	x	x	x	x	x	
2	Re-excavation of Khals	4.715						x	x	x	x	x		
3	Construction of drainage sluice	2					x	x	x	x	x	x	x	
4	Construction of drainage outlet	2					x	x	x	x	x	x	x	
5	Supply drainage pipe	550m					x	x	x					
<b>C.</b>	<b>Strengthen Value Chain/Agriculture and Economic Development</b>													
1	BG-TA FFS formation and conduction	12	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	Field Farmers day observe in FFS	12												
4	Baseline & Endline survey in FFS	12												
5	FFS RF capacity building training and market visit	1	x	x										
6	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	1												
7	Training on post-harvest handling and management for RF	1			x	x								
8	Linkage meeting/workshop/seminar with VC actors	1	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)	1	x	x	x	x	x	x	x	x	x	x		
10	Follow-up support to Community led Fisheries (CLF)	2	x	x	x	x	x	x	x	x	x			
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Awareness meeting with WMOs on environment and DRR issues	28					x					x		
<b>F.</b>	<b>Communication and 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 HL/experience sharing events/visits	12	x	x	x	x	x	x	x	x	x	x	x	x
4	Booklet, flipchart, leaflet, poster distribution	28 WMGs	x	x	x	x	x	x	x	x	x	x	x	x

S.N.	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
5	BGP barta distribution and feedback	29 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
6	Drama and video show	4					x	x	x	x				
7	O&M awareness notice installation at sluice site	6	x	x										
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>													
1	Consultation meeting with WMG/Community	1 WMG											x	x
2	Area/field selection finalization	1 WMG											x	x
3	Facilitate & Assist CAWM activities	1 WMG	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 WMG						x	x	x	x	x	x	x
5	FFD/Crop cutting events and reporting	1 WMG					x					x		
6	IPWM/Small Scale Infrastructures scheme implementation	23 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
7	Demonstration at IPWM field	2	x	x	x	x	x	x	x	x	x	x	x	x
8	Crop cutting festival	2					x					x		

## D.4 Polder 43/2D

### Progress to end-June 2019

- 4 WMAs were registered to BWDB
- O&M agreement between WMA and BWDB have been signed and distributed;
- Catchment level Water Management and O&M Plan preparation have been completed and they are performing according to plan;
- WMGs are working according to their action plan as a result they got the capacity to do better water management, increased production by using HYV thus the WMG members individually benefitted;
- 8 WMGs collected Tk. 35,000 from farmers during Rabi season for O&M purpose with assistant of WMA;
- 16 WMGs are implementing 23 Small scale infrastructures under IPWM (5nos. khal 3.06km, 13nos. pipe culvert, 5nos. of box culverts);
- 1 no. of CAWM (Patukhali) is being implemented;
- 23.665 km khal re-excavation work, 1 new sluices construction and 2 new Outlet Construction work is on-going;
- About 550 members in 07 WMGs collectively purchasing agriculture inputs like seeds, fertilizers, pesticide, tillage and selling products resulting good relationship has developed with different inputs and output market actors;
- Pakshia WMG and Utter Bazerghona WMG excavation field channel about 400m during Amon season for drainage and irrigation purpose;
- Dakshin Morichbunia WMG and Morichbunia Union Parishad jointly removed water hyacinth from Nilkhola Khal and another 4 WMGs have been removed water hyacinth from 4 khals about 2100m through used O&M fund & voluntary services;
- Established relationship with different organizations like UP, BWDB, DAE, BADC, NGOs which helps to get support to smooth running of WMG activities.

### Lessons learnt

- Horizontal learning is an essential tool to transfer technologies and to create an adaptive environment
- To execute catchment plan, creating fund for O&M should be regularized and the participation of WMG members/farmers would be ensured
- For active performance of WMOs good communication with UP, BWDB, DAE, BADC and other service providers is essential as well as support to WMOs from these organization would be helpful
- Collectively buying and selling agricultural inputs and products created an enable environment to WMGs` members for saving time and make economically benefitted
- Through implementation of smalls scale water management infrastructures under IPWM program farmers became united and able to bring a large area under cultivation by removing water logging problem.
- CAWM is a program which made farmers united, adopt new technologies, motivated for water management within the crop field by themselves, adopt collective action.

## 2019 - 2020 Objectives

- Assist WMAs for fundraising from internal/external resources.
- Assist to establish active relationship between BWDB and WMA thus BWDB can regularly help to WMA in operation and maintenance activities.
- Build up professional relationship among WMA, WMG and Catchment Committee.
- WMOs (WMGs & WMAs) and O&M catchment Committee become capable to up-date their action plan regularly.
- WMAs would be capable to support WMGs such as:
  - Executing WMGs Annual Action Plan;
  - Collection of season-based O&M fund from farmers,
  - Establish strong Linkage with WMGs, UP, BWDB, BADC, DAE, DLS and DoF officials;
  - WMGs Participatory Monitoring by themselves;
  - To mitigate conflict resolution on water management/other issues;
  - To ensure the sluice gate operation by the gate operator according to demand of WMGs/ farmers;
  - To ensured routine maintenance of water management structures;
  - Assist to Catchment O&M Sub-Committee to perform catchment O&M Plan.
- Efficiency will increase of Community based Service Providers (FT, CAHW, RF, RP etc.).
- More farmers of the polder area to be adopted modern agricultural technologies for crop cultivation.

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

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A</b>	<b>Organization and Equitable Water Management</b>													
1	Bi-monthly WMA meeting (5 WMAs x 6)	30 Nos.	x	x	x	x	x	X	x	x	x	x	x	x
2	WMA WAP preparation and approval in AGM	5 Nos	x	x										
3	Annual General Meeting in WMA	5 Nos.	x	x										
4	Accompaniment support to WMA for excution of O&M Agreement	5 WMAs	x	x	x	x	x	X	x	x	x	x	x	x
5	Provide support to WMA to implement their WAP	5 WMAs	x	x	x	x	x	X	x	x	x	x	x	x
6	WMA fund raising initiatives	5 WMAs	x	x	x	x	x	X	x	x	x	x	x	x
7	Provide Support to O&M Sub-Committee and WMA to implement Catchment level Water Management and O&M Plan Implementation	17 Catchments	x	x	x	x	x	x	x	x	x	x	x	x
8	Establish functional linkage & network of WMA with GO & PS, LGI	5 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
9	Assist to WMA to establish WMA Office room	5 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
10	WMA Participatory monitoring session conduction	10				x						x		
11	Organise Collective Action (Economic activity) in WMGs	28 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
12	Continue assisting WMGs & WMA to improve performance	5 WMAs 28 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
13	Fund mobilize for O&M activities in WMGS	Tk. 60,000	x	x	x	x	x	x	x	x	x	x	x	x
14	Women empowerment initiatives in WMA and WMG	5 WMAs 28 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
15	Sluice Gate Operation and maintenance orientation for gatekeepers (Practical)	1 Nos.		x	x				x	x				
16	WMGs Action Plan (WAP) prepare and execute	28 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
17	WMGs Participatory monitoring (PME session conduction)	56				x						x		
18	WMG's Annual General Meeting (AGM) and WAP approve	28 WMGs	x	x										
19	Formation of WMA Monitoring committee for rehabilitation work	1 Nos.					x							
20	WMG Monthly meeting (12x28 WMGs)	336 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
21	Saving Collection in in WMGs	Tk. 150,000	x	x	x	x	x	x	x	x	x	x	x	x



S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
22	Initiate Collective IGAs in WMGs	20 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
23	International day observation by polder level	4 Nos					x				x	x		
24	Polder Coordination Meeting	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
25	Phasing out Consultation meeting with WMGs and exit	28 WMGs											x	x
26	Consultation meeting with WMA and exit	5 WMAs												x
<b>B</b>	<b>Water Resources Management and Infrastructure Development</b>													
1	Re-excavation of Khals	18.89 KM					x	x	x	x	x	x		
2	Construction of Inlet	2 Nos.					x	x	x	x	x	x	x	x
3	Construction of Culvert	2 Nos.					x	x	x	x	x	x	x	x
4	Supply of Drain Pipe	550 M					x	x						
<b>C.</b>	<b>Strengthen Value Chain/Agriculture and Economic Development</b>													
1	Backstopping Old FFS (networking support)	43 Nos.	x	x	x	x	x	x						
2	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	1 Nos.	x	x										
3	Training on post harvest handling and management for RF	2 Nos.					x	x						
4	Linkage meeting between WMOs and VC actors	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
5	Follow-up support to Community led Fisheries (CLF)	2 Nos.	x	x	x	x	x	x	x	x	x	x		
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Awareness meeting with WMOs on environment and DRR issues	31 Nos.					x					x		
<b>E.</b>	<b>Communication and Horizontal Learning</b>													
1	Identification of good practices	15 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	10 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing HL/experience sharing events/vigits	10 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
4	Booklet, flipchart, leaflet, poster distribution	5 WMAs 28 WMGs					x	x						
5	BGP barta distribution and feedback	5 WMAs 28 WMGs	x			x			x			x		
6	Drama and video show	2 Nos.				x	x	x						
7	O&M awareness notice instalation at sluice site	17 Nos.	x	x	x									

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>F.</b>	<b>Community Agriculture Water Management (CAWM)/SSIPWM</b>													
1	IPWM/Small Scale Infrastructures scheme implementation	18 WMGs	x	x										
2	Demonstration at IPWM field	1 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
3	Crop cutting festival	1 Nos.					x					x		

## D.5 Polder 43/1E

### Progress to end-June 2019

- O&M agreement between WMA and BWDB have been signed and distributed;
- Annual open budget meeting of the Joiengkathi Union Parishad/Council, the representative of the WMA on the issue of water management.
- 7.400 km Khal re-excavation work is on – going on the BWDB.
- Catchment level Water Management and O&M Plan preparation have been completed and they are performing according to plan;
- 03 WMGs collected hand cash 10460/= from farmers during Aman season for O&M purpose;
- WMGs are working according to their action plan as a result they got the capacity to do better water management, increased production by using HYV thus the WMG members individually benefitted;
- This year 1 FFS conducted by BGP (DAE part);
- About 115 members in 4 WMGs collectively purchasing agriculture inputs like seeds, fertilizers, pesticide and selling products;
- Good business relationship has developed with different inputs and output market actors;
- Established relationship with different organizations like UP, BWDB, DAE, BADC, NGOs which helps to get support to smooth running of WMG activities;
- Three IPWM works implementing in two WMGs
- 3 nos. WMGs has been installed a notice board besides Sluice gate to aware community on operation and maintenance;
- WMGs and Union Parishad jointly clean water hyacinth from Khal;
- Polder team organized informal Horizontal Learning events on Water Managements and Organization activities.

### Lessons learnt

- Horizontal learning is an essential tool to transfer technologies and to create an adaptive environment.
- Through implementation of small scale water management infrastructures under IPWM program farmers became united and able to bring a large area under cultivation by removing water logging problem.
- For active performance of WMOs good communication with UP, BWDB, DAE, BADC and other service providers is essential as well as support to WMOs from these organization would be helpful.
- To execute catchment plan, creating fund for O&M should be regularized and the participation of WMG members/farmers would be ensured.
- Collectively buying and selling agricultural inputs and products created an enable environment to WMGs` members for saving time and make economically benefitted.

### 2019 / 2020 Objectives

- Assist WMAs for fundraising from internal/external resources.
- Assist to establish active relationship between BWDB and WMA thus BWDB can regularly help to WMA in operation and maintenance activities.

- Build up professional relationship among WMA, WMG and Catchment Committee.
- WMOs (WMGs & WMAs) and O&M catchment Committee become capable to up-date their action plan regularly.
- WMAs would be capable to support WMGs such as:
  - Executing WMGs Annual Action Plan;
  - Collection of season-based O&M fund from farmers,
  - Establish strong Linkage with WMGs, UP, BWDB, BADC, DAE, DLS and DoF officials;
  - WMGs Participatory Monitoring by themselves;
  - To mitigate conflict resolution on water management/other issues;
  - To ensure the sluice gate operation by the gate operator according to demand of WMGs/ farmers;
  - To ensured routine maintenance of water management structures;
  - Assist to Catchment O&M Sub-Committee to perform catchment O&M Plan.
- Efficiency will increase of Community based Service Providers (FT, CAHW, RF, RP etc.).
- More farmers of the polder area to be adopted modern agricultural technologies for crop cultivation.

## Annual Work Plan of Polder 43/1E with timeline

S.N.	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A.</b>	<b>Organization and Equitable Water Management</b>													
1	Bi-monthly WMA meeting (2 WMA X 6)	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
2	WMA WAP preparation and approval in AGM	2 Nos.	x	x										
3	Annual General Meeting in WMA	2 Nos.	x	x										
4	Accompaniment support to WMA for execution of O&M Agreement	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
5	Provide support to WMA to implement their WAP	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
6	WMA fund raising initiatives	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
7	Provide Support to O&M Sub-Committee and WMA to implement Catchment level Water Management and O&M Plan Implementation	7 Catchments	x	x	x	x	x	x	x	x	x	x	x	x
8	Establish functional linkage & network of WMA with GO & PS, LGI	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
9	Assist to WMA to establish WMA Office room	1 Nos.	x	x	x	x								
10	WMA Participatory monitoring session conduction	2 WMAs				x						x		
11	Organize Collective Action (Economic activity) in WMGs	12 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
12	Continue assisting WMGs & WMA to improve performance	12 WMGs & 2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
13	Fund mobilize for O&M activities in WMGs	Tk. 40000	x	x	x	x	x	x	x	x	x	x	x	x
14	Women empowerment initiatives in WMAs and WMGs	12 WMGs & 2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
15	Sluice Gate Operation and maintenance orientation for gatekeepers (Practical)	1 Batch					x							
16	WMGs Action Plan (WAP) prepare and execute	12 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
17	WMGs Participatory monitoring (PME session conduction)	24 Nos.				x						x		
18	WMG's Annual General Meeting (AGM) and WAP approve	12 WMGs	x	x										
19	Formation of WMA Monitoring committee for rehabilitation work	2 Nos.				x								
20	WMG Monthly meeting (12 WMGs x 12)	144 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
21	Saving Collection in WMGs	Tk. 50000	x	x	x	x	x	x	x	x	x	x	x	x

S.N.	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
22	Initiate Collective IGAs in WMGs	10 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
23	International day observation by polder level	4 Nos.					x				x	x		
24	Polder Coordination Meeting	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
25	Phasing out Consultation meetinbg with WMGs and exit	12 WMGs					x	x						
26	Consultation meetinbg with WMA and exit	2 WMAs						X						
<b>B.</b>	<b>Water Resources Management and Infrastructure Development</b>													
1	Construction of Drainage Outlet	1 Nos.					x	x	x	x	x	x	x	x
2	Supply drainage pipe	200 m				X	x	x						
<b>C.</b>	<b>Strengthen Value Chain/Agriculture and Economic Development</b>	0												
1	Backstopping Old FFS (networking support)	12 Nos.	x	x	x	x	x	x						
2	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	1 Nos.	x	x										
3	Training on post harvest handling and management for RF	1 Nos.					x	x						
4	Linkage meeting between WMOs and VC actors	6 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
5	Follow-up support to Community led Fisheries (CLF)	1 Nos.	x	x	x	x	x	x	x	x	x	x		
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Awareness meeting with WMOs on environment and DRR issues	10 Nos.					x					x		
<b>E.</b>	<b>Communication and Horizontal Learning</b>													
1	Identification of good practices	6 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	6 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing HL/experience sharing events/vigits	4 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
4	Booklet, flipchart, leaflet, poster distribution	12 WMGs & 2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
5	BGP barta distribution and feedback	12 WMGs & 2 WMAs				x			x			x		
6	Drama and video show	2 Nos.					x	x						
7	O&M awareness notice instalation at sluice site	7 Catchments	x	x										
<b>F.</b>	<b>Community Agriculture Water Management (CAWM)/SSIPWM</b>													

S.N.	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	IPWM/Small Scale Infrastructures scheme implementation	2 WMGs	x	x										

## D.6 Polder 43/2F

### Progress to end-June 2019

- WMOs have become functional and they collect members' savings (Tk. 526,181) and invest in potential IGAs (Tk.1,199,845). Completed all of 16 catchment level water management and O&M plan and plan is executing.
- WMOs are taking part in O&M and small-scale activities spontaneously that resulting with last FY 15.8km khals removed from water hyacinth, excavated 4.3km field drainage channels and apart from that breach repaired on embankment and sluices and outlet lubricated and some of them painted also;
- Improved water management systems by performing on water resource infrastructures (last year 14.731km khal re-excavated) in the polder that resulting with increased HYV rice cultivation (90% HYV), diversify crop cultivated at rabi season and created aus rice cultivation scope;
- Increased collectively agro-inputs purchase and tillage service which leads to reduce of production cost and increase farm profitability
- Increased women participation with income generating activities like poultry rearing, tailoring, homestead gardening etc.;
- WMOs' members become equip to encounter with market sectors that resulting to establish demand based agro-inputs supply systems, built linkage and network with private sectors including buyers;
- Increased informal horizontal learning among WMO's members on internal water management practices from CAWM activities and take in account in their crop fields that helps to get more production

### Lessons learnt

- Small scale infrastructures for IPWM contributes a lot in increase of farm productivity and profitability through reduce risk, creating high value crop cultivation opportunity, increase facility of water drainage during monsoon and irrigation in rabi/dry season (case of Uttar Khekuani);
- Horizontal learning in inter WMGs is effective tool for dissemination of good practices/technologies like cultivation of modern variety for crop/rice, internal polder water management practices (excavation field channel), involvement of women in IGA etc.
- Good leadership makes a good WMG/WMA resulting with responsive performances in organizational activities (meeting, savings and O&M fund collection and fund invest, maintain functional network with necessary stakeholders etc.) equitable water management (operate sluice as required of crops and land topography, and take part in maintenance of WRIs.

### 2019 - 2020 Objectives

- To accomplish the Blue Gold activities in polder 43/2F properly, timely and efficiently
- To strengthen WMOs so that, they can identify their problems and way out of raised problems themselves
- To equip the WMOs thereby they can accumulate internal and external resources for their sustainability
- Establish functional partnership with relevant agencies including private sectors
- Develop enable business environment thereby each actor including producers will be benefited from competitive market;
- To improve water management systems in respect of crop production.



## Annual Work Plan of Polder 43/2F with timeline

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A</b>	<b>Organization and Equitable Water Management</b>													
1	Bi-monthly WMA meeting (3 WMA)	18	x	x	x	x	x	x	x	x	x	x	x	x
2	WMA WAP preparation and approval in AGM	3	x	x										
3	Annual General Meeting in WMA	3	x	x										
4	Accompaniment support to WMA for execution of O&M Agreement	3	x	x	x	x	x	x	x	x	x	x	x	x
5	Provide support to WMA to implement their WAP	3	x	x	x	x	x	x	x	x	x	x	x	x
6	WMA fund raising initiatives	3	x	x	x	x	x	x	x	x	x	x	x	x
7	Provide Support to O&M Sub-Committee and WMA to implement Catchment level Water Management and O&M Plan preparation and Implementation	6	x	x	x	x	x	x	x	x	x	x	x	x
8	Establish functional linkage & network of WMA with GO & PS, LGI	As require	x	x	x	x	x	x	x	x	x	x	x	x
9	Assist to WMA to establish WMA Office room	1	x	x	x	x	x	x	x	x	x	x	x	x
10	WMA Participatory monitoring session conduction	6				x						x		x
11	Organize Collective Action in WMGs	20 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
12	Continue assisting WMGs & WMA to improve performance	3WMA 28WMGs	x	x	x	x	x	x	x	x	x	x	x	x
13	Fund mobilize for O&M activities in WMGS	Tk. 84,000	x	x	x	x	x	x	x	x	x	x	x	x
14	Women empowerment initiatives in WMA and WMG	27	x	x	x	x	x	x	x	x	x	x	x	x
15	Sluice Gate Operation and maintenance orientation for gatekeepers (Practical)	1		x	x				x	x				
16	WMGs Action Plan (WAP) prepare and execute	27	x	x	x	x	x	x	x	x	x	x	x	x
17	WMGs Participatory monitoring (PME session conduction)	54	x		x			x			x			x
18	WMG's Annual General Meeting (AGM) and WAP approve	27	x											x
19	Formation of WMA Monitoring committee for rehabilitation work	3				x	x	x	x	x	x	x	x	
20	WMG Monthly meeting (12x27)	324	x	x	x	x	x	x	x	x	x	x	x	x
21	Saving Collection in in WMGs (Tk.)	600,000	x	x	x	x	x	x	x	x	x	x	x	x
22	Initiate Collective IGAs in WMGs	20 WMGs	x	x	x	x	x	x	x	x	x	x	x	x

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
23	International day observation by polder level	4					x				x	x		
24	Polder Coordination Meeting	12	x	x	x	x	x	x	x	x	x	x	x	x
<b>B.</b>	<b>Water Resources Management and Infrastructure Development</b>													
1	Retired embankment	2km					x	x	x	x	x	x	x	
2	Re-excavation of Khals	0												
3	Construction of drainage sluice	2					x	x	x	x	x	x	x	
4	Construction of drainage outlet	2					x	x	x	x	x	x	x	
5	Supply drainage pipe	550m					x	x	x					
6	Low cost Bank protection	0												
<b>C.</b>	<b>Strengthen Value Chain/Agriculture and Economic Development</b>													
1	Backstopping Old FFS (networking support)	28	x	x	x	x	x	x	x	x	x	x	x	x
2	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	1												
3	Training on post-harvest handling and management for RF	1			x	x								
4	Linkage meeting/workshop/seminar with VC actors	1	x	x	x	x	x	x	x	x	x	x	x	x
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Awareness meeting with WMOs on environment and DRR issues	27					x					x		
<b>F.</b>	<b>Communication and 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 HL/experience sharing events/visits	12	x	x	x	x	x	x	x	x	x	x	x	x
4	Booklet, flipchart, leaflet, poster distribution	27	x	x	x	x	x	x	x	x	x	x	x	x
5	BGP barta distribution and feedback	27	x	x	x	x	x	x	x	x	x	x	x	x
6	Drama and video show	4					x	x	x	x				
7	O&M awareness notice installation at sluice site	6	x	x										
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>													
1	Water Management Infrastructures Development (cannel excavation, pipe installation, culvert construction etc.)	1 WMG	x	x	x									
2	IPWM/Small Scale Infrastructures scheme implementation	23	x	x	x	x	x	x	x	x	x	x	x	x
3	Demonstration at IPWM field	2	x	x	x	x	x	x	x	x	x	x	x	x
4	Crop cutting festival	2					x					x		

## Phasing-in Polders:

### D.7 Polder 47/3

#### Progress to end-June 2019

- 8 WMGs have been registered to BWDB.
- Polder level WMA has been formed and submitted document to DECO Office, BWDB, Barishal for registration;
- 18 nos. of courtyard meetings conduct at WMGs level for gender awareness;
- 4 WMGs arranged rented office;
- 5 WMGs collected 10 Mon rice from farmers during Aman season for O&M purpose;
- WMGs are working according to their action plan as a result they got the capacity to do better water management, increased production by using HYV thus the WMG members individually benefitted;
- 12.57km khal re-excavation work and 4 sluices repairing work is on-going
- 15 nos. of FFS have been completed under 11 & 12 cycle module on Poultry-10, Fish-4 and Beef Fattening 01;
- 42 nos. female members have been constructed modern poultry shed;
- 29 nos. Vaccination Camp organized by WMGs;
- Shafakhali-Islampur Khal WMG excavation field channel 320m during Amon season for drainage and irrigation purpose.
- Mela Para khal WMG, Tegasia Azimuddin Khal WMG, Paschim Madhukhali Sluice WMG and Mithagonj Union Parishad jointly installed wooden gate on Tegachia Outled, Paschim Madukhali Sluice and Mela Para sluice, resulting 600-acre land will be benefitted;
- Shafakhali- Islampur Khal WMGs have made cross dam on Shafakhali branches khal to preserve sweet water and use it Rabi Crops;
- About 169 members in 5 WMGs collectively purchasing agriculture inputs like seeds, fertilizers, pesticide, tillage and selling products resulting good relationship has developed with different inputs and output market actors;
- 3 nos. CAWM have been taken for next year;
- Established relationship with different organizations like UP, BWDB, DAE, BADC, NGOs which helps to get support to smooth running of WMG activities.

#### Lessons learnt

- Horizontal learning is an essential tool to transfer technologies and to create an adaptive environment.
- To execute catchment plan, creating fund for O&M should be regularized and the participation of WMG members/farmers would be ensured.
- For active performance of WMOs good communication with UP, BWDB, DAE, BADC and other service providers is essential as well as support to WMOs from these organization would be helpful.
- Collectively buying and selling agricultural inputs and products created an enable environment to WMGs` members for saving time and make economically benefitted
- Through implementation of smalls scale water management infrastructures under IPWM program farmers became united and able to bring a large area under cultivation by removing water logging

problem.

- CAWM is a program which made farmers united, adopt new technologies, motivated for water management within the crop field by themselves, adopt collective action.

### 2019 - 2020 Objectives

- Assist WMAs for fundraising from internal/external resources.
- Assist to establish active relationship between BWDB and WMA thus BWDB can regularly help to WMA in operation and maintenance activities.
- Build up professional relationship among WMA, WMG and Catchment Committee.
- WMOs (WMGs & WMAs) and O&M catchment Committee become capable to up-date their action plan regularly.
- WMAs would be capable to support WMGs such as:
  - Executing WMGs Annual Action Plan;
  - Collection of season-based O&M fund from farmers,
  - Establish strong Linkage with WMGs, UP, BWDB, BADC, DAE, DLS and DoF officials;
  - WMGs Participatory Monitoring by themselves;
  - To mitigate conflict resolution on water management/other issues;
  - To ensure the sluice gate operation by the gate operator according to demand of WMGs/ farmers;
  - To ensured routine maintenance of water management structures;
  - Assist to Catchment O&M Sub-Committee to perform catchment O&M Plan.
- Efficiency will increase of Community based Service Providers (FT, CAHW, RF, RP etc.).
- More farmers of the polder area to be adopted modern agricultural technologies for crop cultivation.

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

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A</b>	<b>Organization and Equitable Water Management</b>													
1	Polder wise WMA Registration	1	x											
2	Bi-monthly WMA meeting (1 WMA)	6	x	x	x	x	x	x	x	x	x	x	x	x
3	AGM in WMA & WMA WAP preparation and approval in AGM	1	x	x										
4	O&M Agreement between WMA and BWDB	1	x	x		x	x						x	x
5	Accompaniment support to WMA for excution of O&M Agreement	1			x	x	x	x	x	x	x	x	x	x
6	Provide support to WMA to implement their WAP	1	x	x	x	x	x	x	x	x	x	x	x	x
7	WMA fund raising initiatives	1	x	x	x	x	x	x	x	x	x	x	x	x
8	Catchment level Water Management and O&M Plan preparation	7	x	x	x	x	x	x	x	x	x	x	x	x
9	Workshop with WMA for Catchment plan share and aproval	1				x								
10	Provide Support to O&M Sub-Committee and WMA to implement Catchment level Water Management and O&M Plan Implementation	7	x	x	x	x	x	x	x	x	x	x	x	x
11	Establish functional linkage & network of WMA with GO & PS, LGI		x	x	x	x	x	x	x	x	x	x	x	x
12	Assist to WMA to establish WMA Office room	1	x	x	x	x	x	x	x	x	x	x	x	x
13	WMA Participatory monitoring session conduction	2				x						x		x
14	Organise Collective Action in WMGs	8 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
15	Continue assisting WMGs & WMA to improve performance	1 WMAs 8 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
16	Fund mobilize for O&M activities in WMGS (Tk.)	60,000	x	x	x	x	x	x	x	x	x	x	x	x
17	Women empowerment initiatives in WMA and WMG	8	x	x	x	x	x	x	x	x	x	x	x	x
18	Sluice gate operation and maintenance orientation for gatekeepers (Practical)	1		x	x				x	x				
19	WMGs Action Plan (WAP) prepare and execute	8	x	x	x	x	x	x	x	x	x	x	x	x
20	WMGs Participatory monitoring (PME session conduction)	32	x		x			x			x			x
21	WMG's Annual General Meeting (AGM) and WAP approve	8	x											x
22	Formation of WMA Monitoring committtee for rehabilitation work	1												
23	WMG Monthly meeting (12x8)	96	x	x	x	x	x	x	x	x	x	x	x	x

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
24	Saving Collectionin in WMGs	Tk. 150,000	x	x	x	x	x	x	x	x	x	x	x	x
25	Initiate Collective IGAs in WMGs	8 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
26	International day observation by polder level	4					x				x	x		
27	Polder Coordination Meeting	12	x	x	x	x	x	x	x	x	x	x	x	x
<b>B.</b>	<b>Water Resources Management and Infrastructure Development</b>													
1	Re-sectioning of embankment	2.54km					x	x	x	x	x	x	x	
2	Re-exavation of Khals	7.71 km					x	x	x	x	x	x	x	
3	Repair of sluice	7						x	x	x				
4	Repair of outlet	1						x	x	x				
5	Repair of inlet	4						x	x	x				
6	Construction of sluice	1						x	x	x	x	x	x	
7	Construction of Culvert	1					x	x	x	x	x	x	x	
8	Supply drainage pipe	500 m					x	x	x					
<b>C.</b>	<b>Strengthen Value Chain/Agriculture and Economic Development</b>													
1	Backstopping Old FFS (networking support)	21	x	x	x	x	x	x	x	x	x	x	x	x
2	Workshop with WMO to promote CA, business planning & linkage	1												
3	Training on post harvest handling and management for RF	1			x	x								
4	Linkage meeting/workshop/seminar with VC actors	1	x	x	x	x	x	x	x	x	x	x	x	x
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Awareness meeting with WMOs on environment and DRR issues	8					x					x		
<b>F.</b>	<b>Communication and Horizontal Learning</b>													
1	Identification of good practices; Fact sheet preparation of identified good practices & Organizing HL	8	x	x	x	x	x	x	x	x	x	x	x	x
2	Booklet, flipchart, leaflet, poster & BGP barta distribution	8 WMGs												
3	Drama and video show	4												
4	O&M awareness notice instalation at sluice site	7												
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>													
1	Consultation meeting with WMG/Community & field selection finalization	3 WMG	x											
2	Facilitate & Assist CAWM activities	3 WMG	x	x	x	x	x	x	x	x	x	x	x	x
3	Water Management Infrastructures Development	3 WMG						x	x	x	x	x	x	x

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
4	FFD/Crop cutting events and reporting	3 WMG					x					x		
5	IPWM/Small Scale Infrastructures scheme implementation	8 WMGs	x	x										
6	Demonstration at IPWM field	1 WMG	x	x	x	x	x	x	x	x	x	x	x	x
7	Crop cutting festival	1					x					x		

## D.8 Polder 47/4

### Progress to end-June 2019

- Polder level WMA has been formed and submitted document to DECO Office, BWDB, Barishal for registration;
- WMGs are working according to their action plan as a result they got the capacity to do better water management, increased production by using HYV thus the WMG members individually benefitted;
- 7 WMGs collected 21 Mon rice from farmers during Aman season for O&M purpose;
- 16.825km khal re-excavation work, 13 sluices repairing work and 01 sluice construction work is on-going
- 40 nos. of FFS have been completed under 11 & 12 cycle module on Poultry-22, Vegetable-8, Fish-4 and Beef Fattening 6
- 8 WMGs arranged rented office;
- WMGs collectively purchasing agriculture inputs like seeds, fertilizers, pesticide and selling products resulting good relationship has developed with different inputs and output market actors;
- Amtali Khal WMG and Baliatali Union Parishad jointly construction a box culvert, resulting 50acre land will be benefitted;
- 3 nos. of CAWM are being implemented and another 2 nos. have been taken for next year;
- Polder team organized 8 nos. informal Horizontal Learning events on Duck raring, Water Managements and Organization activities.
- 18 nos. Vaccination Camp organized by WMGs;
- 28 nos. of courtyard meetings conduct at WMGs level for gender awareness;
- 8 WMGs have made cross dam on different khal to preserve sweet water and use it Rabi Crops;
- Company Khal WMG and Borkatia Khal WMG installed wooden gate on Koromjapara Sluice and Borkatia Sluice;
- 04 WMGs (Char Nazib Khal WMG, Amtali Khal WMG, Company Khal WMG, Pakkshia Para Khal WMG) excavation field channel about 960m during Amon season for drainage and irrigation purpose
- Established relationship with different organizations like UP, BWDB, DAE, BADC, NGOs which helps to get support to smooth running of WMG activities;

### Lessons learnt

- Horizontal learning is an essential tool to transfer technologies and to create an adaptive environment.
- To execute catchment plan, creating fund for O&M should be regularized and the participation of WMG members/farmers would be ensured.
- For active performance of WMOs good communication with UP, BWDB, DAE, BADC and other service providers is essential as well as support to WMOs from these organization would be helpful
- Collectively buying and selling agricultural inputs and products created an enable environment to WMGs` members for saving time and make economically benefitted.
- Through implementation of smalls scale water management infrastructures under IPWM program farmers became united and able to bring a large area under cultivation by removing water logging



problem.

- CAWM is a program which made farmers united, adopt new technologies, motivated for water management within the crop field by themselves, adopt collective action.

### 2019 - 2020 Objectives

- Assist WMAs for fundraising from internal/external resources.
- Assist to establish active relationship between BWDB and WMA thus BWDB can regularly help to WMA in operation and maintenance activities.
- Build up professional relationship among WMA, WMG and Catchment Committee.
- WMOs (WMGs & WMAs) and O&M catchment Committee become capable to up-date their action plan regularly.
- WMAs would be capable to support WMGs such as:
  - Executing WMGs Annual Action Plan;
  - Collection of season-based O&M fund from farmers,
  - Establish strong Linkage with WMGs, Ups, BWDB, BADC, DAE, DLS and DoF officials;
  - WMGs Participatory Monitoring by themselves;
  - To mitigate conflict resolution on water management/other issues;
  - To ensure the sluice gate operation by the gate operator according to demand of WMGs/ farmers;
  - To ensured routine maintenance of water management structures;
  - Assist to Catchment O&M Sub-Committee to perform catchment O&M Plan.
- Efficiency will increase of Community based Service Providers (FT, CAHW, RF, RP etc.).
- More farmers of the polder area to be adopted modern agricultural technologies for crop cultivation.

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

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A</b>	<b>Organization and Equitable Water Management</b>													
1	Polder wise WMA Registration	1	x											
2	Bi-monthly WMA meeting (1 WMA)	6	x	x	x	x	x	x	x	x	x	x	x	x
3	AGM in WMA & WMA WAP preparation and approval in AGM	1	x	x										
4	O&M Agreement between WMA and BWDB	1	x	x		x	x						x	x
5	Accompaniment support to WMA for excution of O&M Agreement	1			x	x	x	x	x	x	x	x	x	x
6	Provide support to WMA to implement their WAP	1	x	x	x	x	x	x	x	x	x	x	x	x
7	WMA fund raising initiatives	1	x	x	x	x	x	x	x	x	x	x	x	x
8	Catchment level Water Management and O&M Plan preparation	18	x	x	x	x	x	x	x	x	x	x	x	x
9	Workshop with WMA for Catchment plan share and aproval	1				x								
10	Provide Support to O&M Sub-Committee and WMA to implement Catchment level Water Management and O&M Plan Implementation	18	x	x	x	x	x	x	x	x	x	x	x	x
11	Establish functional linkage & network of WMA with GO & PS, LGI		x	x	x	x	x	x	x	x	x	x	x	x
12	Assist to WMA to establish WMA Office room	1	x	x	x	x	x	x	x	x	x	x	x	x
13	WMA Participatory monitoring session conduction	2				x						x		
14	Organise Collective Action in WMGs	18 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
15	Continue assisting WMGs & WMA to improve performance	1 WMA 18 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
16	Fund mobilize for O&M activities in WMGS (Tk.)	180,000	x	x	x	x	x	x	x	x	x	x	x	x
17	Women empowerment initiatives in WMA and WMG	18	x	x	x	x	x	x	x	x	x	x	x	x
18	Sluice gate O & M orientation for gatekeepers (Practical)	1		x	x				x	x				
19	WMGs Action Plan (WAP) prepare and execute	18	x	x	x	x	x	x	x	x	x	x	x	x
20	WMGs Participatory monitoring (PME session conduction)	72	x		x			x			x			x
21	WMG's Annual General Meeting (AGM) and WAP approve	18	x											x
22	Formation of WMA monitoring committtee for rehabilitation work	1												
23	WMG Monthly meeting (12x18)	216	x	x	x	x	x	x	x	x	x	x	x	x
24	Saving Collectionin in WMGs	Tk. 350,000	x	x	x	x	x	x	x	x	x	x	x	x

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
25	Initiate Collective IGAs in WMGs	18 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
26	International day observation by polder level	4					x				x	x		
27	Polder Coordination Meeting	12	x	x	x	x	x	x	x	x	x	x	x	x
<b>B.</b>	<b>Water Resources Management and Infrastructure Development</b>													
1	Re-sectioning of embankment	3 km					x	x	x	x	x	x	x	
2	Retired embankment	500												
3	Re-exavation of Khals	16 km					x	x	x	x	x	x	x	
4	Repair of sluice	23						x	x	x				
5	Construction of sluice	2						x	x	x	x	x	x	
6	Construction of drainage outlet	1					x	x	x	x	x	x	x	
7	Construction of drainage culvert	2					x	x	x	x	x	x		
8	Supply drainage pipe	500 m					x	x	x					
<b>C.</b>	<b>Strengthen Value Chain/Agriculture and Economic Development</b>													
1	Backstopping Old FFS (networking support)	58	x	x	x	x	x	x	x	x	x	x	x	x
2	Workshop with WMO on CA, business planning & linkage with Private Sector	1												
3	Training on post harvest handling and management for RF	1			x	x								
4	Linkage meeting/workshop/seminar with VC actors	1	x	x	x	x	x	x	x	x	x	x	x	x
5	Refreshers Training for Input providers	1												
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Awareness meeting with WMOs on environment and DRR issues	18					x					x		
<b>F.</b>	<b>Communication and Horizontal Learning</b>													
1	Identification of good practices, fact sheet preparation on identified good practices and organizing HL/experience sharing events/vigits	18	x	x	x	x	x	x	x	x	x	x	x	x
2	Booklet, flipchart, leaflet, poster & BGP barta distribution	18 WMGs												
3	Drama and video show	6												
4	O&M awareness notice instalation at sluice site	1												
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>													
1	Consultation meeting with WMG/Community & field selection finalization	3 WMG	x											
2	Facilitate & Assist CAWM activities	3 WMG	x	x	x	x	x	x	x	x	x	x	x	x

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
3	Water Management Infrastructures Development	3 WMG						x	x	x	x	x	x	x
4	FFD/Crop cutting events and reporting	3 WMG					x					x		
5	IPWM/Small Scale Infrastructures scheme implementation	14 WMGs	x	x										
6	Demonstration at IPWM field	2 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
7	Crop cutting festival	2					x					x		

## D.9 Polder 55/2A

### Progress to end-June 2019

O&M agreement between WMA and BWDB have been signed and distributed;

Catchment level Water Management and O&M Plan preparation have been completed and they are performing according to plan;

- 12 WMGs collected 24 Mon rice from farmers during Aman season for O&M purpose;
- WMGs are working according to their action plan as a result they got the capacity to do better water management, increased production by using HYV thus the WMG members individually benefitted;
- 32 nos. of courtyard meetings conduct at WMGs level for gender awareness;
- 16.919km khal re-excavation work and 12 sluices repairing work is on-going
- 19 nos. FFS have been completed under 12 cycles (14 nos. poultry & 5 nos. Vegetables);
- WMGs collectively purchasing agriculture inputs like seeds, fertilizers, pesticide, land tillage and selling products, resulting good business relationship has developed with different inputs and output market actors;
- Established relationship with different organizations like UP, BWDB, DAE, BADC, NGOs which helps to get support to smooth running of WMG activities;
- 3 nos. of CAWM are being implemented and another 2 nos. have been taken for next year
- 25 nos. Vaccination Camp organized by WMGs
- 3 nos. WMGs have installed a notice beside the Sluice gate to aware community on operation and maintenance
- 2 WMGs and Union Parishad jointly cleaned water hyacinth from Chonkhola Khal, Radhasitaram khal and Ptabunia Khal;
- Polder team organized informal Horizontal Learning events on Water Managements and Organization activities.

### Lessons learnt

- Horizontal learning is an essential tool to transfer technologies and to create an adaptive environment
- To execute catchment plan, creating fund for O&M should be regularized and the participation of WMG members/farmers would be ensure
- For active performance of WMOs good communication with UP, BWDB, DAE, BADC and other service providers is essential as well as support to WMOs from these organization would be helpful
- Collectively buying and selling agricultural inputs and products created an enable environment to WMGs' members for saving time and make economically benefitted
- Through implementation of smalls scale water management infrastructures under IPWM program farmers became united and able to bring a large area under cultivation by removing water logging problem
- CAWM is a program which made farmers united, adopt new technologies, motivated for water management within the crop field by themselves, adopt collective action.

### 2019 - 2020 Objectives

- Assist WMAs for fundraising from internal/external resources.
- Assist to establish active relationship between BWDB and WMA thus BWDB can regularly help to WMA in operation and maintenance activities.
- Build up professional relationship among WMA, WMG and Catchment Committee.

- WMOs (WMGs & WMAs) and O&M catchment Committee become capable to up-date their action plan regularly.
- WMAs would be capable to support WMGs such as:
  - Executing WMGs Annual Action Plan;
  - Collection of season-based O&M fund from farmers,
  - Establish strong Linkage with WMGs, UP, BWDB, BADC, DAE, DLS and DoF officials;
  - WMGs Participatory Monitoring by themselves;
  - To mitigate conflict resolution on water management/other issues;
  - To ensure the sluice gate operation by the gate operator according to demand of WMGs/ farmers;
  - To ensured routine maintenance of water management structures;
  - Assist to Catchment O&M Sub-Committee to perform catchment O&M Plan.
- Efficiency will increase of Community based Service Providers (FT, CAHW, RF, RP etc.).
- More farmers of the polder area to be adopted modern agricultural technologies for crop cultivation.

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

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A</b>	<b>Organization and Equitable Water Management</b>													
1	Bi-monthly WMA meeting (1 WMA)	6 Nos.	x		x		x		x		x		x	
2	WMA WAP preparation and approval in AGM	1 Nos.	x	x										
3	Annual General Meeting in WMA	1 Nos.	x	x										
4	Accompaniment support to WMA for execution of O&M Agreement	1 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
5	Provide support to WMA to implement their WAP	1 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
6	WMA fund raising initiatives	1 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
7	Provide Support to O&M Sub-Committee and WMA to implement Catchment level Water Management and O&M Plan Implementation	12 Catchment	x	x	x	x	x	x	x	x	x	x	x	x
8	Establish functional linkage & network of WMA with GO & PS, LGI	1 WMAs & 13 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
9	Assist to WMA to establish WMA Office room	1 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
10	WMA Participatory monitoring session conduction	2 Nos.				x						x		
11	Organise Collective Action (Economic activity) in WMGs	10 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
12	Continue assisting WMGs & WMA to improve performance	1 WMA 13 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
13	Fund mobilize for O&M activities in WMGS	Tk. 120,000	x	x	x	x	x	x	x	x	x	x	x	x
14	Women empowerment initiatives in WMA and WMG	1 WMA 13 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
15	Sluice Gate Operation and maintenance orientation for gatekeepers (Practical)	1 Batch					x	x						
16	WMGs Action Plan (WAP) prepare and execute	13 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
17	WMGs Participatory monitoring (PME session conduction)	26 Nos.				x						x		
18	WMG's Annual General Meeting (AGM) and WAP approve	13 Nos.	x	x										
19	Formation of WMA Monitoring committee for rehabilitation work	1 Nos.					x							
20	WMG Monthly meeting (12x13 WMGs)	156 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
21	Saving Collection in WMGs (Tk.)	150,000	x	x	x	x	x	x	x	x	x	x	x	x

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
22	Initiate Collective IGAs in WMGs	10 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
23	International day observation at polder level	4 Nos.					x				x	x		
24	Polder Coordination Meeting	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
25	Phasing out Consultation meetinbg with WMGs and exit	13 WMGs											x	x
26	Consultation meetinbg with WMA and exit	1 WMA												x
<b>B.</b>	<b>Water Resources Management and Infrastructure Development</b>													
1	Re-sectioning of embankment	4.42 km					x	x	x	x	x	x	x	x
2	Re-excavation of Khals	17.00 km					x	x	x	x	x	x		
3	Repair of sluice	12 Nos.					x	x	x	x	x	x	x	x
4	Repair of outlet	4 Nos.					x	x	x	x	x	x	x	x
5	Construction of Drainage sluice	2 Nos.					x	x	x	x	x	x	x	
6	Construction of Drainage outlet	2 Nos.					x	x	x	x	x	x	x	x
7	Supply of Drain Pipe	550 M					x	x						
<b>C.</b>	<b>Strengthen Value Chain/Agriculture and Economic Development</b>													
1	BG-TA FFS formation and conduction	12 Nos.	x	x	x	x	x	x						
2	Backstopping Old FFS (networking support)	80 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
4	Field Farmers day observein FFS	12 Nos.		x		x	x							
5	Baseline & Endline survey in FFS	12 Nos.	x			x	x							
6	FFS RF capacity building training and market visit	1 Nos.	x	x										
7	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	1 Nos.												
8	Training on post harvest handling and management for RF	1 Nos.			x	x								
9	Linkage meeting between WMOs and VC actors	1 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
10	VC Actors meeting with WMO for Linkage, Discussion negotiation and Intervention designing	1 Nos.					x							
11	Follow-up support to Community led Fisheries (CLF)	3 Nos	x	x	x	x	x	x	x	x	x			
12	Trial on potential profitable cropping systems/ technologies followed by chance crop (CII)	1	x	x	x	x	x	x	x	x	x	x		
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													



S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	Awareness meeting with WMOs on environment and DRR issues	15 Nos.					x					x		
<b>E</b>	<b>Communication and Horizontal Learning</b>													
1	Identification of good practices	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
2	Fact sheet preparation of identified good practices	12 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
3	Organizing HL/experience sharing events/vigits	10 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
4	Booklet, flipchart, leaflet, poster distribution	1 WMA 13 WMGs					x	x						
5	BGP barta distribution and feedback	1 WMA 13 WMGs	x			x			x			x		
6	Drama and video show	8 Nos.		x	x			x	x	x				
7	O&M awareness notice instalation at sluice site	12 Catchment	x	x	x									
<b>F.</b>	<b>Community Agriculture Water Management (CAWM)/SSIPWM</b>													
1	Consultation meeting with WMG/Community	2 WMG	x											
2	Area/field selection finalization	2 WMG	x											
3	Facilitate & Assist CAWM activities	2 WMG	x	x	x	x	x	x	x	x	x	x	x	x
4	Water Management Infrastructures Development (cannel excavation, pipe instalation, culvart construction etc.)	5 WMG	x	x							x	x	x	x
5	FFD/Crop cutting events and reporting	2 WMG					x					x		
6	IPWM/Small Scale Infrastructures scheme implementation	4 WMGs	x	x										
7	Demonstration at IPWM field	4 Nos.	x	x	x	x	x	x	x	x	x	x	x	x
8	Crop cutting festival	4 Nos.					x					x		

## D.10 Polder 55/2C

### Progress to end-June 2019

Blue Gold Program has extended its activities in this polder about two & half year back and has been working for livelihood improvement of the polder dwellers through equitable water management led by agricultural improvement by forming functional WMGs & WMAs. In the meantime, the Polder has achieved the following issues:

- Achieved registrations from BWDB for 2 WMAs and completed Agreement Signing between BWDB and WMAs for O&M of WRI
- Completed 2<sup>nd</sup> tenure EC election of all 16 WMGs and completed all formalities and formation of Election Commission for 2<sup>nd</sup> tenure EC election of WMAs.
- Completed 7 Catchment level O&M sub-committee with annual planning
- Mobilized around 6.5 Lakhs Taka as O&M funds
- Mobilized savings money of Tk. 115950.00 through 16 WMGs
- Completed 2.6 km embankment re-sectioning work and completed 16 km Khal re-excavation successfully.
- Due to 2 CAWM, 20 acres (at 6 locations) CII demo. & 12 DAE-FFS about 60% land covered by HYV rice in Aman session.
- Improved relation with LGIs and completed 3 culverts (with provision of gate) and 1 gate for a culvert by getting financial supports from 3 Ups of the Polder.
- Developed linkage/relationship with Private Sector (Grameen Uglana) and supplied 3000 kg Mungbean through 12 Collective Action Groups with higher price.

### Lessons learnt

As WMAs has registered and are given the authority to look after the O&M of WMR in the polder by the BWDB as well as they are responsible for equitable water management, agricultural & livelihood improvement activities of the Polder, to develop leadership among the WMAs, we have to organize some need base training including Linkage Development training for the WMA EC members. So that, they will able to assist, guide and monitor WMGs activities as well as continue BGP activities in the Polder. Involvement of community people in the planning & implementation of water management structures is essential for the sustainability of equitable water management aspects ultimately improved agriculture which we have experienced from SSIPWM activities. So, we should have more SSIPWM schemes in the polder. So, community people are needed to aware on IPWM as well as needed to organize exchange visit for the farmers to the place where water management is maintained through SSIPWM by the farmer themselves.

### 2019 - 2020 Objectives

Plan is very much important to accomplish any activity effectively so, objectives of annual plan of Polder 55/2C 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 of WMAs with UP, DAE, DLS, DoF and BWDB.

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

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<b>A</b>	<b>Organization and Equitable Water Management</b>													
1	Bi-monthly WMA meeting (2 WMA)	12	x	x	x	x	x	x	x	x	x	x	x	x
2	WMA Executive Committee Election (For 2nd Tanure)	2		x										
3	WMA WAP preparation and approval in AGM	2	x	x										
4	Annual General Meeting in WMA	2	x	x										
5	Accompaniment support to WMA for execution of O&M Agreement	2	x	x	x	x	x	x	x	x	x	x	x	x
6	Provide support to WMA to implement their WAP	2	x	x	x	x	x	x	x	x	x	x	x	x
7	WMA fund raising initiatives	2	x	x	x	x	x	x	x	x	x	x	x	x
8	Provide Support to O&M Sub-Committee and WMA to implement Catchment level Water Management and O&M Plan preparation and Implementation	7	x	x	x	x	x	x	x	x	x	x	x	x
9	Establish functional linkage & network of WMA with GO, PS & LGI	2 WMAs	x	x	x	x	x	x	x	x	x	x	x	x
10	Assist to WMA to establish WMA Office room	2	x	x	x	x	x	x						
11	WMA Participatory Monitoring session conduction	4				x						x		
12	Organize Collective Action Initiatives in WMGs	12 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
13	Continue assisting WMGs & WMA to improve performance	2WMA 16WMGs	x	x	x	x	x	x	x	x	x	x	x	x
14	Fund mobilize for O&M activities in WMGS	Tk. 80,000	x	x	x	x	x	x	x	x	x	x	x	x
15	Women empowerment initiatives in WMA and WMG level	16	x	x	x	x	x	x	x	x	x	x	x	x
16	Sluice Gate Operation and maintenance orientation for gatekeepers (Practical)	1		x	x				x	x				
17	WMGs Action Plan (WAP) prepare and execute	16	x	x	x	x	x	x	x	x	x	x	x	x
18	WMGs Participatory monitoring (PME session conduction)	32				x						x		
19	WMG's Annual General Meeting (AGM) and WAP approve	16	x											
20	Formation of WMA Monitoring committee for rehabilitation work	2	x	x	x	x	x	x	x	x	x	x	x	x
21	WMG Monthly meeting (12x16)	192	x	x	x	x	x	x	x	x	x	x	x	x
22	Saving Collection in WMGs (Tk.)	192,000	x	x	x	x	x	x	x	x	x	x	x	x

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
23	Initiate Collective IGAs in WMGs	12 WMGs	x	x	x	x	x	x	x	x	x	x	x	x
24	International day observation by polder level	4					x				x	x		
25	Polder Coordination Meeting	12	x	x	x	x	x	x	x	x	x	x	x	x
<b>B.</b>	<b>Water Resources Management and Infrastructure Development</b>													
1	Retired embankment	1.64 km					x	x	x	x	x	x		
2	Re-sectioning of embankment	5.0 km					x	x	x	x	x	x		
3	Re-excavation of Khals	14.0 km							x	x	x	x	x	
4	Repair of sluice	7 sluices						x	x	x	x	x	x	
5	Construction of drainage sluice	1					x	x	x	x	x	x	x	
6	Low cost Bank protection work (Taka)	77.5 LTK.	x	x	x									x
7	Supply of Drain Pipe (M)	550 M						x	x	x	x	x		
8	Flood Damage Repair/Breach Cost (Taka)	50 LTK.		x	x	x								
<b>C.</b>	<b>Strengthen Value Chain/Agriculture and Economic Development</b>													
1	Backstopping Old FFS (networking support)	80	x	x	x	x	x	x	x	x	x	x	x	x
2	Training on post harvest handling and management for RF	1			x	x								
3	Linkage meeting/workshop/seminar with VC actors	1	x	x	x	x	x	x	x	x	x	x	x	x
4	Workshop with WMO to Promote Collective action, Business planning and Linkage with Private Sector	1				x	x	x	x	x				
5	Follow-up support to Community led Fisheries (CLF)	3	x	x	x	x	x	x	x	x	x			
<b>D.</b>	<b>Environmental Sustainability and DRR</b>													
1	Awareness meeting with WMOs on environment and DRR issues	20					x					x		
<b>F.</b>	<b>Communication and 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 HL/experience sharing events/visits	12	x	x	x	x	x	x	x	x	x	x	x	x
4	Booklet, flipchart, leaflet, poster distribution	16WMGs												
5	BGP barta distribution and feedback	16 MGs												
6	Drama and video show	4					x	x	x	x				
7	O&M awareness notice installation at sluice site	7		x	x	x								
<b>G.</b>	<b>Community Agriculture Water Management (CAWM)</b>													

S.N	Task Name	Target	2019						2020					
			Jul	Aug	Se p	O ct	Nov	Dec	Jan	Feb	Ma r	Apr	May	Jun
1	Consultation meeting with WMG/Community	3 WMG											x	x
2	Area/field selection finalization	3 WMG											x	x
3	Facilitate & Assist CAWM activities	3 WMG	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 WMG						x	x	x	x	x	x	x
5	FFD/Crop cutting events and reporting	3 WMG					x					x		
	IPWM/Small Scale Infrastructures scheme implementation	20	x	x				x	x	x	x	x		
	Demonstration at IPWM field	6	x	x	x	x	x	x	x	x	x	x	x	x
	Crop cutting festival	6					x					x		