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Workshop Report on “Partnership Development for Polder Water Management”

Polder-2, Satkhira
1st October’2019



Socioconsult Ltd.
for sustainable development



Workshop report on Partnership Development for Polder Water Management.

1st October, 2019, Polder-2, Satkhira

October'2019

Blue Gold Program

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1. Introduction

Water Management Groups (WMGs) and Water Management Associations (WMAs) have been formed and registration under BWDB has almost been completed in all 22 polders in four districts under Blue Gold Program (BGP). In 12 number of Polders O&M agreement among WMAs and BWDB has been signed. According to O&M agreement, WMA is responsible for operation of water control/management structures and minor/routine maintenance of the water management infrastructures. Moreover, WMAs needs to be actively involved for implementation/rehabilitation small water management infrastructures to develop internal water management systems fully operational which will help the farmers for higher agricultural production, reduce drainage and improve living conditions.

Capacity development of the WMOs (WMAs and WMGs) and the sub-committee members is one of the major priorities of the BGP. After collecting data from WMGs and other farmers, WMA finalized the catchment O&M plans involving O&M sub-committees. In this plan the following categories of actions were proposed by the farmers:

1. Regular operation of regulator/slucice gates, channels, embankments etc. to keep continue the proper water management;
2. Minor/routine maintenance of water management infrastructures;
3. Rehabilitation of small-scale infrastructures for in-polder water management;
4. Removal of illegal cross dams, net patta which creating obstruction of proper water management for agricultural production;
5. Removal of illegal occupation of sluice gates and channels;
6. Removal of illegal construction of house, latrine, cultivation on the dam/embankment;
7. Take initiative and raise voices at all level (local to administration level at Upazilla and Districts) to stop leasing of flowing khals/channels for the interest of proper water management and ensure proper drainage, enables water logging free suitable condition and environment for agricultural production and living condition;
8. Identify the source of funds and raise the capacity for own contribution for carrying out the cost of operation of water management/ water control structures within the WMG/sub-committee area and minor/routine maintenance of water management infrastructures.

Out of above-mentioned activities WMOs can carry out following activities by their own contribution and small funds:

1. Operation of regulator/sluice gates along with other water control/water management structures through their employed gate keepers;
2. Removal of water hyacinth, silt from the gates/khals to operationalize water flow to the agriculture field;
3. Establishing /removal cross dam, net patta etc.
4. Regular/small/routine maintenance of regulator/sluice gates (painting of metal parts, nut bolts repairing/replacing, small leaks repairing, fitting tightening of nut-bolts etc) and embankment (ghogs, rain cut pot holes etc.)

BGP has been trying to develop Partnership and Linkages among WMA and different GoB agencies such as DAE, BADC, LGED, DoFisheries, DLS, DoEnvironment, DoForest, Upazila parishad, UPs and other private sectors who have mandate to work in the field for the water management system in the polder area.

To strengthening network and partnership between WMOs, local elected representatives, NGOs and private sector under Polder-2 as well as Satkhira Upazila and district administration and different government agencies, a day long workshop was organized on 1st October 2019 with the title of “Partnership Development for Polder Water Management Plan and Implementation” at Circuit House conference room, Satkhira.

2. Objective of the workshop

The overall objective of the workshop was to share the polder water management plans & achievements by the Water Management Organizations (WMOs) of Polder-2 aiming to find support and future opportunities from the UZ and District level administration and other GoB departments overcoming the WM challenges.



The specific objectives were:

1. Share the prepared O&M plans and identify the opportunities of financial and technical support from UP, GoB departments and Private Sectors for rehabilitation of small water management infrastructures;
2. Identify the way and process of getting support of UP, UZP, DAE, BWDB, BADC, LGED, DPHE, Department of Forestry and other private sectors/agencies for better water management systems targeting higher crop production and self-sustaining organization;
3. Develop partnership and linkages in between WMA, GoB departments and private sectors for future opportunities.

3. Guests and Participants

This workshop organized under the Blue Gold Program. About 70 participants were attending from the WMA, UP and GoB officials from UZ and District level, local representatives, the LGs and local



media. Respected Deputy Commissioner of Satkhira, Mr. S.M. Mostofa Kamal gave consent to present the workshop as Chief Guest where the workshop was presided over by Executive Engineer, Satkhira O&M Division-2, BWDB Mr. Arifuzzaman Khan. Due to some emergency Chief Guest could not attend the inaugural session, in absence of District

Commissioner, Mr. Hussain Showkat, Deputy Director- Local Government, inaugurated the day long workshop. Along with them Mayor of Satkhira Municipality Mr. Taskin Ahmed, Additional DC (General) Mr. Badiuzzaman, Additional DC (Revenue) Mr. Mahmudur Rahman, Chairman of Satkhira Sadar Upazila and UNO of Satkhira Sadar also presented in the workshop. Mr. Amirul Hossain Program Coordination Director (PCD) BGP and Mr. Humayun Kabir, Project Director BGP (DAE-part), Mr. Guy Jones, Team Leader of BGP-TA part also attended.

The representatives of different Govt. Agencies working at Satkhira such as LGED, BADC, DAE, DoF, DLS, DPHE, Department of Forestry and 3 WMA representatives of Polder-2, Satkhira were attended the day long workshop.

4. Workshop Inauguration

4.1. Welcome Speech

The workshop started with the welcome speech by **Mr. Abul Khaer, Executive Engineer, Satkhira O&M Division-1, BWDB** followed by recitation from Holy Al-Quran. In his speech Executive Engineer welcomed the dignitaries, local stakeholders, administration, elected representatives, media persons and all participants from Stakhira



and few from BWDB and DAE from Dhaka in the workshop. He then briefly described the BWDBs role and responsibility along with limitations. He briefly described necessity of today's workshop. He urged cooperation and support from all to deliver better by the BWDB to minimize or overcome the difficulties and problems in connection with the water resources management of Satkhira districts. Mr. Khaer mentioned that the Blue Gold Program is specially taking care of the local community participation in the water management in the Polder area. He thanked all to make it convenient for participating in the workshop.



Team Leader, BGP-Technical Assistance Team Mr. Guy Jones gave emphasis on the collaboration at local level among WMOs and local Govt. institutions, NGOs and private organizations for the betterment of Polder water Management of Polder-2. He updated the house that by the end of October-2019 an O&M

Agreement will be signed between WMAs of Polder-2 and Satkhira O&M Division-2 which allow WMOs to take responsibility and perform designated role and responsibilities of water management infrastructures of the Polder-2 formally. In the meantime, WMOs of polder-2 already showed examples of using water management infrastructure for improvement of agricultural production, crop diversification, more involvement of seasonal fish production, more income generation, for more convenient living condition and ultimately improvement of livelihood. But WMAs need help of other govt. and private agencies to carry out the in-polder water management activities. He expressed his hope that this workshop would help WMA to implement water management plan.

Special Guest Mr. Taskin Ahmed, Mayor, Satkhira Municipality started his speech by expressing that Satkhira district already become vulnerable due to climate change i.e. natural calamities and manmade causes. He mentioned that water logging is the main problem of the city as well as the polder-2. He hoped that Municipality would excavate the “Pran-Shaher” Khal very soon for improvement the drainage system of Stakhira city but it will not work until unless the concerned authority replace the damage sluice at the end of this canal which is located in the polder-2 with good one and eradicate unplanned fish farm (shrimp gher).



In his **inaugural speech Mr. Hussain Showkat, DD-LG, Satkhira**, expressed that this workshop was organized in right time addressing the water logging problem of Satkhira. He informed that District



Administration already taken action to cancel all the leas out of canal in Satkhira District and District Commissioner is very much concerned about the consequences of leasing out canal and illegal possession. As Blue Gold Program would phasing out from June 2020, but he expected that the effort given during the project period should continue after the project completion. With this expectation he

finally inaugurated the day long workshop.

After the inauguration respected **Deputy Commissioner Mr. S.M. Mostofa Kamal** joined the workshop along with Upazila Chairman of Satkhira Sadar Mr. Md. Assaduzzaman Babu. In his short visit he expressed his concern about the water logging problem of Satkhira as well as polder area. He gave emphasis on find out the way of pumping/drain out of water from water logging area as farmer could not cultivate timely. He proposed to BWDB to identify the easy way and support to overcome this problem.



5. Presentation on Activities of Blue Gold Program

5.1 Program Coordinating Director, Mr. Amirul Hossain described Blue Gold Program is one of the first project under the Delta Plan-2100 which is the ultimate success of present government. The



Delta Plan-2100 and the Blue Gold Program both supported by the Dutch Govt. The success of the project especially Polder-2 has already visible and noted by the international and national experts. He explained how one khal/canal re-excavation of about 8 km (i.e. Amodkhali Khal of polder-2) contributed in Aman production after 15 or 16 years in 19 Beels of Polder-2. Under the Blue Gold Program

almost completed its planned physical activities/interventions and he hoped that WMA will be the key element for in-polder water management and carrying out operation & maintenance activities through its O&M sub-committee which were done exceptionally well in polder-2 already. But they need certain help from the Upazila Administration and UP to continue the water management activities. He also informed the Workshop that BWDB already taking preparation for dredging of Betna River.

5.2. Presentation on overall infrastructure development activities

Executive Engineer, Satkhira O&M Division-2, BWDB presented an overall progress of infrastructure development activities by BWDB under Blue Gold Program in polder-2. Some important points emerged from his presentation are given below:

- Embankment Repair/Re-excavation 35.5 KM out of 58.99 KM
- Re-excavation of Khal 28.068 KM.
- Construction of 3 new sluice were completed where another 2 new sluices construction are going on. Repairing of 8 Sluice are also going on.

- d. Construction of Culvert for Water Management and communication 5 nos
- e. Repairing of existing Regulator/Sluices 7 nos
- f. Construction of Pump Shed for using by the WMG 4 nos.
- g. Low cost embankment protection work was completed for 478m and ongoing 507m.

5.3. Presentation on activities of Blue Gold Program-DAE Component

A presentation was given by **Mr. Humayun Kabir, Project Director, BGP-DAE part** on overall activities of BGP-DAE part under Blue Gold Program and progress. He mentioned the Blue Gold Program is an integration of Water resources and Agriculture to make best use



of water to optimize the production. Polder-2 has been pioneering the crop diversification with new and improved varieties in the Polder-2 under Blue Gold Program. Major points emerged from his presentation are given below:

1. Increasing Aman and Aus cropped area in the polder area. T-Aman cultivation area increased up to 54% (2018) from 21% (2015) in a total area of 15308 acre. Even the precipitation showing increased in each year during the monsoon season, Khal/canal re-excavation and sluice/regulator repairing improve in drainage condition and more area under cultivation and more yield attained.
2. Expansion of climate smart technology (vegetable cultivation in water logged area)
3. Changing cropping pattern, contributing to yield increase.
4. Increased in cropping intensity from 212% and 178% in 2013 to 223% and 203% in 2018 at Satkhira Sadar and Assasuni Upazila respectively.
5. Institutionalization of in-polder water management for agricultural development.

| ক্রমিক নং | কার্যক্রম | সংখ্যা | মন্তব্য |
|-----------|------------------------------------|--------|--|
| ১ | ডিএই কৃষক মাঠ স্কুল | ১৮৭ | প্রশিক্ষণ প্রাপ্ত কৃষক-৯৩৫০ (পুরুষ-৪৬৭৫, নারী-৪৬৭৫) |
| ২ | ডিএই কৃষক মাঠ দিবস | ১৮৭ | |
| ৩ | ডিএই কৃষি মেলা | ১ | |
| ৪ | টিএ কৃষক মাঠ স্কুল | ১২৫ | প্রশিক্ষণ প্রাপ্ত কৃষক- ৩১২৫ (পুরুষ-২২২, নারী-২৯০৩) |
| ৫ | টিএ কৃষক মাঠ দিবস | ১২৫ | |
| ৬ | গ্রীষ্মকালীন টমেটো সম্প্রসারণ | ৬০ | |
| ৭ | সমাজভিত্তিক মাছ চাষ | ৫ | |
| ৮ | সমাজভিত্তিক কৃষি পানি ব্যবস্থাপনা | ৮ | প্রশিক্ষণ প্রাপ্ত কৃষক ৬০৭ |
| ৯ | সমাজভিত্তিক মৎস্য পানি ব্যবস্থাপনা | ২ | |
| ১০ | শস্য নিবিড়তা বৃদ্ধি কার্যক্রম | ২২ | |
| ১১ | দলীয় সহায়তা প্যাকেজ | ৩০ | |

| কার্যক্রম | ২০১৫ | ২০১৬ | ২০১৭ | ২০১৮ |
|---|--------------|--------------|--------------|--------------|
| রোপা আমন চাষের আওতায় জমির পরিমাণ (একর) | ৩,২০৪ | ৩,৩০৪ | ৪,৭৯৯ | ৮,৩১৩ |
| পোল্ডা-২ মোট চাষের জমি ১৫,৩০৮ একর | | | | |
| রোপা আমন চাষের আওতায় বিলের সংখ্যা | ২৭ | ২৭ | ৩০ | ৩০ |
| শতকরা হিসাবে জমির বৃদ্ধি | ২১% | ২২% | ৩১% | ৫৪% |
| বৃষ্টির পরিমাণ (মে- অক্টোবর) | ১৬১১ মিমি | ১৬৪৪ মিমি | ১৭৮৯ মিমি | ১২১৪ মিমি |

6. Presentation of WMA

Two representatives from WMAs of polder-2 gave a short presentation on experience of polder



water management plan of concerned WMAs, implementation of water management plan and challenges for sustainable water management. The key points were:

They completed 12 catchment O&M plan including 64 WMGs. WMOs member are properly accomplishing some activities such as gate operation as per plan, cleaning of water hyacinth, repairing of ghog/rain cut of embankment as routine activities. While some activities are implemented with the help of UP and BGP such as construction of gated pipe culvert, excavation of field channel and removal of silt from sluice gate. They are getting good support from the UP as and when the need.

They have addressed a big concern and many problems for water management at Satkhira that



Betna and Morichap river heavily silted up and the river bed has been raised in many places higher project effort will not function properly and water management systems will be died.

They mentioned in their presentation about few water managements challenges such as illegal occupation or encroachment of Khals/canals and embankment, illegal fishing net/cross dam/bandh, leased out of flowing canal & unplanned fishing in this Polder.

They are looking another challenge in absence of Blue Gold Program that how they can manage

funds and implement small infrastructures for in-polder water management. To implement these small water management infrastructures, they must need support of UP, Upazila and District



Administration, BADC, LGED and DAE to continue in-polder water management activities.

7. Video clips on “News Compile” on Blue Gold activities

The participants had the opportunity to enjoy a compiled video clips on achievements, experiences, has been broadcasted in the electronic and news media in different times about BGP activities in Polder-2. The Video clips covered improved water management, crop production, reduced flood or water congestion/water logging, fish production and crop diversification. The self-motivated activities of water management are showing in the videos much applauded by the participants.



8. Showcasing WMA activities in Polder-2: Stall and poster



Three stalls were prepared temporary on the yard of circuit house based on the theme of Organizational Management, Integrated Water Management, Agricultural Economic Development, along with Publication corner where the printed BCC materials of Blue Gold program were demonstrated. Three WMAs were demonstrated their agricultural productions/benefits at their own areas due to effective water management. They identified the water management challenges in different areas in their polder and explaining why UZ and District level support is a



must to save effective water management. They have also demonstrated some sample of vegetables and crops.

In these stall participants had the opportunity to get understanding on catchment water management plan, climate smart agricultural technology and value chain/ market development model.

9. Drama on Polder Water Management

After visiting the stall participants had the opportunity to enjoy a 20 minutes socio-drama on polder water management systems and how the different challenges can destroy the whole water management systems in polder-2 if not overcome



those challenges timely. Through different acting with mask and dress the actors played the role of challenges as monsters and criticized the audience to kill the water management. This drama opened the eyes of the audience specially the UZ and District administration that how important and emergent to deal with those challenges and overcoming for effective polder water management. Otherwise these monsters (challenges) will make the water management ineffective waste all the investment.

10. Suggestion and Feedback to overcome the CHALLENGES

Participants wrote their comments and suggestion to overcome the challenges. Most of them gave emphasis on following key issues. A detail of these suggestion is attached as **annex-2**.

01. Dredging/re-excavation of Betna, Morichchap river and removal of siltation other connected main channels.
02. Cancellation of leasing out of free flowing khal by District/Upazila Administration immediately.
03. Eradicate illegal and unplanned Fish farm which affecting agriculture.
04. Removal of fishing net, cross dam for fish farming from the canal coordinating with local government representatives.
05. District Administration should take necessary action against who did not implement the instruction of District Commissioner on cancellation of leasing khals.

11. Closing Session

In the closing session **UNO, Satkhira Sadar Upazila** expressed his gratitude to the organizer for arranging timely demand issues-based workshop as waterlogging is the main problem of Satkhira as well as polder area. He thanked Blue Gold Program to work on these issues.

Mr. Amirul Hossain, PCD, BGP-BWDB again thanked all the participants to make the workshop successful and he hoped that Blue Gold Program have to come an end but other new program will be launched with new strategy and goal. He also expressed his wishes that a strong partnership and



networking has been developed among the local government agencies and WMOs which help WMOs to implement the polder water management activities properly after Blue Gold Program. He mentioned about strong hope that the achievements and capacity improvement of the WMOs should be sustained in long run. Appreciated the cooperation and declaration from the District Administration for cancellation and no more leasing of flowing Khals/Canals in the Polder area, that hinders the proper water management.

In the closing remarks **Mr. Hussain Showkat, DD-LG, Satkhira**, gave emphasis on how we could face the challenges which are came out through this workshop. All of us should be awarded about these challenges as our river and canal silted up day by day. Through the consciousness and cooperation all of us we can deal with these challenges of water management. He strongly commented that immediately District Administration will take necessary action to overcome the challenges that identified in this workshop. He also suggested the WMA to keep regular communication with District level administration keep up them update about the situation. Finally, He conclude the workshop by expressing his gratitude to organizer and participants.

12. Overall Observation and Recommendations

In this workshop about 75 District and Upazilla level officials, UP and WMA representatives were participated. The Deputy Commissioner, Satkhira was shown his interest to participate in this day-long workshop as a learner and accordingly he instructed his staff to find a suitable date where there is no other program or any commitment. Considering all he fixed date on 1st October 2019. He offered to organize this event to the circuit house, Satkhira and suggested other ADCs and officers to support this program. During this process he extended his cordial cooperation and support to organize this workshop. Other ADC's and officials also supported in organizing the event.

Unfortunately, on the day of workshop the DC could not participate in the inaugural session due to another emergency. He requested to the Deputy Director, Local Government to inaugurate the

workshop and he joined after half an hour. Another emergency emerged for DC and ADCs to join the “VDO conferencing” at 12.00 noon as a result they left the venue at 11.45 AM which disrupted the flow of the workshop.

In the future we need to rethink regarding the time and availability of DC and ADC participation for such day long workshop. But through this experience it is clear that the District and Upazilla level officials are become aware about the Blue Gold Program and its impacts in Polder- 2, Water Management Challenges and realized the urgency to find immediate way to resolve those problems for water management.

It is very clear that the WMAs are successfully introduced with the UZ and District level officials/offices as a registered organization who are responsible and experienced in operation and maintenance of water management infrastructures. This has been created a wider opportunity and opened several windows to save and sustain their organization. We hope after this workshop, WMAs will get active support from the UZ and DC offices to overcome the Water Management challenges.

November 5, 2019

Major Challenges for Proper Polder Water Management

1. **River Silted Up:** High tide and low tide water cannot rise and fall in Polder-2 and Extension Part due to siltation of outfall Betna River, Marichap River and Pranshah Khal or Satkhira Khal. As a result, water logging problem is created.
2. **Leasing out of Flowing Khals or Main Khals:** Few **Flowing Khals or Mail Khals** have been leased out in Polder-2. The following khals identified at the Workshop were leased out in Polder 2:

| Name of the Khal | Name of UP |
|--|--------------------|
| Himkhali Khal | Budhata |
| From Bolmari Khal to Kolatola Khal under Surjokhali Beel | Budhata |
| From Sorbo Kashempur Khal via Bewla Khal to Chumri Beel | Fingri and Budhata |
| Bewla Naeber Khal | Budhata |

3. **Illegal Occupancy:** Some influential peoples occupied water management infrastructures and constructed cross bundhs for fish culture. Intentionally they closed sluice gates and interrupted water flow in the open khals. List of some illegal installations:
 - a) **Cross bundh construction and installation net parta's:** There are lot of obstacles (cross bundhs, net parta's) in the main khals in Polder 2 but it is crucial to drain out water from the agricultural land.
 - b) **legal occupancy of khas khal/govt. khal and fish culture:** Some influential peoples construct cross bundhs and installed net parta's for fish culture under Budhata UP and creating water logging problem in Chapra, Maheswarkati, Surjokhali, Nobadkhali Beel Area in connection with the khals which creates water logging.
 - c) **Illegal construction of houses, shops and toilet:** It is found that Embankment Side slopes (R/S and C/S) have been sliced/damaged or cut to a flatbed to make illegal houses, shops and toilet by the local inhabitant which damage the embankment.
 - d) **Illegal use of sluice gates:** In most cases sluices are used by the influential people according to their own purposes.
 - e) **Unavailability of Internal Small-scale Water Management Infrastructures:**
 - f) **Insufficient O&M Fund:** Most of the WMGs have insufficient O&M fund which they can carry out some regular operation but could not carryout larger maintenance works or construction of small-scale water management infrastructure such as field channel or pipe culvert for in-polder water management.

Comments & suggestion of Participants to overcome the challenges of Polder-2

- 1.** Dredging of Betna and Morichap River to make them alive as previous. The Peripheral Rivers are very important for proper Water Management of the Polder-2 and ensure drainage regularly and timely.
- 2.** Silt deposition on the River bed and Khals is a big problem, need proper management or re-excavation or removal of Silt for Proper Water Management of the area.
- 3.** Remove all the illegal fish farm or cross bundh or obstruction on the flowing khals. Those obstruction seriously hampered the Flow of Water in the Khals, obstructing drainage that creating flooding situation, seriously and adversely affecting livelihood, agriculture communication etc.
- 4.** Remove all the illegal fish nets, cross dam from the flowing Khals/canals to ensure free flow of water. Specially in Satkhira, obstruction in the Flowing Khals accelerating the Sit Deposition on the Khals, aggravating drainage congestion.
- 5.** Remove illegal occupation of embankment, khals and sluice gates.
- 6.** Need Social movement against illegal possession of canal, fish net, cross dam.
- 7.** The Brick field on the embankment near the river side and encroaching the rivers need to be removed ensuring the river flow.
- 8.** Remove illegal possession or of Lobondanga Jamirer khal.
- 9.** Remove of illegal fishing net, cross bundh, obstruction of flow from the Mohesharkathi Himkhali Khal, Beula Naiber khal and Jamirer Khal. These are essential to make fully operational the newly constructed Mohesharkathi 3V Regulator/Sluice.
- 10.** Integrated and coordinated activities of Agencies like AC (Land), BADC, LGED, DoFish, DoForest, DLS, PIO etc is needed to support and ensure implementation/construction of all water management infrastructure or water related structures, specially Bridge, Culverts, Khal Re-excavation, earthen/semi-pacca roads etc. All development infrastructures should consider the water management and water flow.
- 11.** Union Parishods (UPs) should come forward to support for polder water management like fingri UP.
- 12.** District administration already announced of cancellation of leasing out of all the flowing canal, need to be ensured and followed.
- 13.** Required strong partnership in between WMA and GoB departments at the UZ level and UP should support them.
- 14.** Need to remove illegal cross dam in Surjomukhi khal.
- 15.** Remove fishing net in the Sorbo Kashem Khal in the Budhhata Union after Fingri Union.

Blue Gold

ব্লু গোল্ড প্রোগ্রাম

পোল্ডার পানি ব্যবস্থাপনা পরিকল্পনা বাস্তবায়ন ও অংশীদারিত্ব উন্নয়ন কর্মশালা

পোল্ডার-২, সাতক্ষীরা

ভেন্যুঃ- সার্কিট হাউজ মিলনায়তন, সাতক্ষীরা ।

অংশগ্রহনকারীদের উপস্থিতি (স্বাক্ষর) সীট

তারিখ: ০১/১০/২০১৯

| ক্রঃ নং | নাম | পদবী ও সংস্থা/সংগঠন | মোবাইল নং | স্বাক্ষর |
|---------|------------------------|---------------------------------------|---------------|-------------|
| ১ | মো: মিজানুর রহমান | SSM সুপারিস WMA এর সদস্য (CCF) | ০২১২২৬৭৭০৭ | [Signature] |
| ২ | মো: ডাঃ সাজুদ | মহেশ্বরদাটি WMA এর সদস্য | ০৭৭০৫-৩০৭৪৬৬ | [Signature] |
| ৩ | মো: হাফিজুল হক | SSM-WMA এর সদস্য | ০২২৫-১৮০৩৬০ | [Signature] |
| ৪ | মো: হুমায়ুন কবীর | WMA সদস্য | ০২৭৪৫-১৪০৬০৪০ | [Signature] |
| ৫ | নাঈমুল হক | জোয়ারদা মহেশ্বরদাটি WMA | ০২৭৬৫-৬২২২২২ | [Signature] |
| ৬ | বিশ্বজিৎ কু: চক্রবর্তী | জোয়ারদা WMA সদস্য | ০১৭২০১০৫৬৫ | [Signature] |
| ৭ | মো: জুবায়ের হোসেন | মহেশ্বরদাটি WMA সদস্য | ০১৪৩৫-৬৭৬৩৭০ | [Signature] |
| ৮ | মো: হুমায়ুন কবীর | মহেশ্বরদাটি WMA সদস্য | ০১২৭৫-৭২১৬৩৪ | [Signature] |
| ৯ | মো: হুমায়ুন কবীর | মহেশ্বরদাটি WMA ও ২ উদ্বোধনকারী (SSM) | ০১৭২৩৪২৬৬২ | [Signature] |
| ১০ | মো: রফিকুল হক | SSM WMA এর সদস্য | ০১৭৭৬০১৫১২৭ | [Signature] |
| ১১ | মো: আমিনুল হক | SSM WMA এর সদস্য | ০২০১০২২৬৫৭১৫ | [Signature] |
| ১২ | শেখ মোনায়েম | মো: হুমায়ুন কবীর মহেশ্বরদাটি WMA | ০১৭১১৪৫৬০৪৫ | [Signature] |
| ১৩ | আব্দুল মাজেদ | জোয়ারদা-১ এর উদ্বোধনকারী WMA | ০১৭২০-৩৫৫৩৩৩০ | [Signature] |
| ১৪ | মো: হুমায়ুন কবীর | জোয়ারদা-১ এর উদ্বোধনকারী WMA | ০১৭২৫৬৬০৭২০ | [Signature] |
| ১৫ | মো: হুমায়ুন কবীর | স.স.দ WMA সদস্য | ০১৭২৫-২১৭৭৬৫ | [Signature] |

Blue Gold

ব্লু গোল্ড প্রোগ্রাম

পোল্ডার পানি ব্যবস্থাপনা পরিকল্পনা বাস্তবায়ন ও অংশীদারিত্ব উন্নয়ন কর্মশালা

পোল্ডার-২, সাতক্ষীরা

ভেন্যুঃ- সার্কিট হাউজ মিলনায়তন, সাতক্ষীরা ।

অংশগ্রহনকারীদের উপস্থিতি (স্বাক্ষর) সীট

তারিখ: ০১/১০/২০১৯

| ক্রঃ নং | নাম | পদবী ও সংস্থা/সংগঠন | মোবাইল নং | স্বাক্ষর |
|---------|----------------------------------|--|--------------|-------------------|
| ১১ | মো: পুষ্পাঙ্গন কান্তি | SSM, WMA ১২-সতক্ষীরা | ০১৭১০০৪০০৬৪৭ | পুষ্পাঙ্গন কান্তি |
| ১৭ | মো: সত্যমুখের হোসেন (স্বাক্ষর) | ১২-সতক্ষীরা সুইডেন জা: ক্রীড়া | ০১৭১৫-২৩৮৩৮৫ | সত্যমুখের |
| ১৮ | ডা: শ্রীমতী সুলভা - নতুনসদস্য | স্বাক্ষর করা হয়েছে স্বাক্ষর করা হয়েছে | ০১৭২৪-১১৭৪০৭ | শ্রীমতী সুলভা |
| ১৯ | আব্দুল হক রহমান | স্বাক্ষর করা হয়েছে SAMUNATV | ০১৭১১৪২৩২৩ | আব্দুল হক |
| ২০ | মো: সত্যমুখের হোসেন | স্বাক্ষর করা হয়েছে স্বাক্ষর করা হয়েছে | ০১৭১১০১৪৪১১ | সত্যমুখের |
| ২১ | মো: সত্যমুখের হোসেন | স্বাক্ষর করা হয়েছে স্বাক্ষর করা হয়েছে | ০১৭১২৪৩ ৫৭৪৮ | সত্যমুখের |
| ২২ | শ্রী: সত্যমুখের হোসেন | LUBD, SAB | ০১৭১৬-২৭১০৭২ | সত্যমুখের |
| ২৩ | সত্যমুখের হোসেন | স্বাক্ষর করা হয়েছে W.M.A | ০১৭১৬০২০৬৬৪ | সত্যমুখের |
| ২৪ | সত্যমুখের হোসেন | স্বাক্ষর করা হয়েছে W.M.A | ০১৭২৫ ৪৪৭২৪৫ | সত্যমুখের |
| ২৫ | মো: সত্যমুখের হোসেন | S.AE, BODD, Sathkhera | ০১৭১১-৪৪৩৩৪৫ | সত্যমুখের |
| ২৬ | মো: সত্যমুখের হোসেন | BAE D PHE Sadat ১/২ | ০১৭৪৪৫৫৪৩০ | সত্যমুখের |
| ২৭ | মো: সত্যমুখের হোসেন | স্বাক্ষর করা হয়েছে W.M.A | | সত্যমুখের |
| ২৮ | মো: সত্যমুখের হোসেন | DAP, DISTRICT FIDELITY Office | ০১৭১১১০৩৪৭ | সত্যমুখের |
| ২৯ | মো: সত্যমুখের হোসেন | AFD, DAF, Sadat Sathkhera | ০১৭১২৭১৭৭১ | সত্যমুখের |
| ৩০ | মো: সত্যমুখের হোসেন | স্বাক্ষর করা হয়েছে | ০১৭১২৭১৭৭১ | সত্যমুখের |

বু গোল্ড প্রোগ্রাম

পোল্ডার পানি ব্যবস্থাপনা পরিকল্পনা বাস্তবায়ন ও অংশীদারিত্ব উন্নয়ন কর্মশালা

পোল্ডার-২, সাতক্ষীরা

ভেন্যুঃ- সার্কিট হাউজ মিলনায়তন, সাতক্ষীরা ।

অংশগ্রহনকারীদের উপস্থিতি (স্বাক্ষর) সীট

তারিখ: ০১/১০/২০১৯

| ক্রঃ নং | নাম | পদবী ও সংস্থা/সংগঠন | মোবাইল নং | স্বাক্ষর |
|------------|-----------------------|---|-----------------|-----------------------|
| ৩৩ | মোঃ সফিউল ইসলাম | CNR S | ০১২৩২৬৩১৫ ৩৬ | |
| ৩৬ | মোঃ সফিউল ইসলাম | নিয়ন্ত্রক (কৌশলিক) । সাতক্ষীরা | ০১২১১১৮৭৮১ | |
| ৩৬ | শেখর চন্দ্র পাল | সহকারী প্রকৌশলী সাতক্ষীরা | ০১৭২২৪৪৭৭৫১ | |
| ৩৪ | ডাঃ হান্নাতুল মাহসুনা | SSM WMA SDO (সাতক্ষীরা) | — | ডাঃ হান্নাতুল মাহসুনা |
| ৩৫ | মোঃ জিয়াউর রহমান | S.S.M. WMA SDO কোম্পানী (সাতক্ষীরা) | ০১৪২৭২২৬৭২২ | |
| ৩৬ | প্লাবনী সরকার | ই-সি সফটওয়্যার প্রকৌশলী সদর সাতক্ষীরা | ০১৭২৫৫৬৫৬৭৪ | |
| ৩৭ | মোঃ হান্নাতুল মাহসুনা | সহকারী প্রকৌশলী সাতক্ষীরা | ০১৭১৬৫৪২৪৪০ | |
| ৩৮ | Amey Sam | TL BAP | ০১৭৪৭ ৬৫৭ ৩৬৫ | |
| ৩৯ | আফিকুল হক | প্রকৌশলী সাতক্ষীরা সাতক্ষীরা | ০১৭৫৫২৬১০৬৪০ | |
| ৪০ | Amey Sam | Amey Sam | ০১৭৬১৭০ ২২৩২ | |
| ৪১ | Md. Rashidul Rahman | SDE, BWDB, Sat-1 | ০১৭৩৬৪৪৫৪৪০ | |
| ৪২ | Dipankar Kumar Das | AE, BWDB, Sat-1 | ০১৭২৫-৪৪১৭৭৪ | |
| ৪৬ | Md. Nazmul Huda | SSO, DoF, Satkhira | ০১৭১৬১৩৫০৩২ | |
| ৪৪ | Shuvendu Biswas | AE, BWDB, Sat-1 | ০১৪৫৭-৭৬৩২১২ | |
| ৪৭ | Md. Shafiqul Azam | UE, LGED, Sadar | ০১৭২৪৫৩২৬০৩ | |

Blue Gold

ব্লু গোল্ড প্রোগ্রাম

পোল্ডার পানি ব্যবস্থাপনা পরিকল্পনা বাস্তবায়ন ও অংশীদারিত্ব উন্নয়ন কর্মশালা

পোল্ডার-২, সাতক্ষীরা

ভেন্যুঃ- সার্কিট হাউজ মিলনায়তন, সাতক্ষীরা ।

অংশগ্রহনকারীদের উপস্থিতি (স্বাক্ষর) সীট

তারিখ: ০১/১০/২০১৯

| ক্রঃ নং | নাম | পদবী ও সংস্থা/সংগঠন | মোবাইল নং | স্বাক্ষর |
|---------|----------------------------|---|--------------|--------------------|
| ৪৬ | শ.সি.এ. জে.সি.আই.সি.এন. ২৪ | SVE-Group Leader | ০১৭১১৪৩২০৩৭ | Shahed |
| ৪৭ | আলমগীরি জে.সি.আই.সি.এন. | DTL | ০১৭১১৪৩৩২১২ | Alamgir |
| ৪৮ | আব্দুল হক হোসেন | COE/2C, panchajanya | ০১৭১১৩৫৫২০৭ | Abdul |
| ৪৯ | ডাঃ. এফ.ই.এ. হোসেন | SSE/2C, Khulna | ০১৭২৭-৫৭৭০৬৫ | Dr. A.F.A. Hossain |
| ৫০ | ডাঃ. এফ.ই.এ. হোসেন | স্বাক্ষর | ০১৭১১-৪০৫৫ | Dr. A.F.A. Hossain |
| ৫১ | ডাঃ. এফ.ই.এ. হোসেন | স্বাক্ষর | ০১৭১১-১২১১৪৫ | Dr. A.F.A. Hossain |
| ৫২ | সুজনী বেগম | NTV/খুলনা | ০১৭১১১৭০১০০ | Sujan |
| ৫৩ | কমান্ড গ্যানার্ড | স্বাক্ষর | ০১৭১১-৪৭২৭২৭ | Command |
| ৫৪ | আব্দুল আজিজ হোসেন | মোজাফ্ফার, সাতক্ষীরা ডি.সি.এ.সি. | ০১৭১১৩১০১২২ | Abdul |
| ৫৫ | শব্বিরুল কাদের সূমন | bdnews24.com দেশ টিভি দেশ ক্যান্টিন | ০১৭১১২৭৪৪২৭ | Shabbir |
| ৫৬ | ডাঃ. মিলন হোসেন | DBE News TL | ০১৭১২-৭৫২৫২৬ | Dr. Milon |
| ৫৭ | ডাঃ. এফ.ই.এ. হোসেন | স্বাক্ষর | ০১৭১১৪১২২৭ | Dr. A.F.A. Hossain |
| ৫৮ | স্বাক্ষর | স্বাক্ষর | ০১৭২৫০২৫১৭৬ | Signature |
| ৫৯ | স্বাক্ষর | স্বাক্ষর | ০১৭১২৫৬৬৭১৭ | Signature |
| ৬০ | স্বাক্ষর | স্বাক্ষর | ০১৭১১-৭২৬৭৭৭ | Signature |

Blue
Gold

ব্লু গোল্ড প্রোগ্রাম

পোল্ডার পানি ব্যবস্থাপনা পরিকল্পনা বাস্তবায়ন ও অংশীদারিত্ব উন্নয়ন কর্মশালা

পোল্ডার-২, সাতক্ষীরা

ভেন্যুঃ- সার্কিট হাউজ মিলনায়তন, সাতক্ষীরা ।

অংশগ্রহনকারীদের উপস্থিতি (স্বাক্ষর) সীট

তারিখ: ০১/১০/২০১৯

| ক্রঃ নং | নাম | পদবী ও সংস্থা/সংগঠন | মোবাইল নং | স্বাক্ষর |
|------------|---------------------------------|--|--------------|----------------|
| ৬১ | শ্রীমতী কামা কান্ত | কম্পিউটার বিশেষজ্ঞ ডেপুটি কম্পিউটার | ০১৭১৬-৫২০১৭৪ | |
| ৬২ | শ্রী. শিখোজ (স্বামিন) | কেন্দ্র প্রোগ্রামার ইন্টারনেট সিস্টেম | ০১৭৩৩-২১৪৫৭০ | |
| ৬৬ | শ্রী. শ্রী. ওয়াই. ব্রহ্মাচার্য | ডেপুটি কম্পিউটার (NMA) | ০১৭১২-৬৬২২১০ | |
| ৬৪ | শ্রীঃ আব্দুল ক্বাদির বাবু | উপজেলা প্রোগ্রামার সাতক্ষীরা সদর | ০১৭১১ ৩৫৫৪৪৭ | |
| ৬৫ | শ্রীঃ জাহাঙ্গীর হোসেন | ডেপুটি প্রোগ্রামার সাতক্ষীরা সদর | ০২৭২৪৮৪৭২০৭ | |
| ৬৭ | শ্রীঃ হুমায়ুন কবীর | সি.টি. সিস্টেম কম্পিউটার | ০১৭২৪৭৭৭৭৪ | H. Kabir |
| ৬৮ | শ্রীঃ দেবজীত (কবি) | উপজেলা প্রোগ্রামার সাতক্ষীরা সদর | ০১৩০৭৫১৩৫৭২ | ০১.১০.২০১৭ |
| ৬৯ | শ্রীঃ হুমায়ুন হোসেন | CDF/PCC - BGP | ০১৭২২ ২৭১৪৬৭ | ০১.১০.২০১৭ |
| ৬৯ | শ্রীঃ ফারজানা সান | CDF/PCC - BGP | ০১৭৩৪২৪৭২৫ | |
| ৭০ | শ্রীঃ দীপক সর্কার | C.D.F (N.M) BGP | ০১৭২৪ ১৩২৪০১ | |
| ৭১ | শ্রীঃ আব্দুল হুসেন | CDF/PCC - BGP | ০১৭৩৬-৭৪৫৫৭০ | |
| ৭২ | শ্রীঃ অক্ষয় কুমার দে | JSE, BGP | ০১৭২২৬৩২৩০৩ | |
| ৭৬ | শ্রীঃ জাহাঙ্গীর হোসেন | O/M | ০১৭১৬-৪৭৭০৭৩ | |
| ৭৪ | শ্রীঃ আব্দুল হুসেন | OCE | ০১৭১৪৪৭৭৭২ | |
| ৭৫ | শ্রীঃ ওয়েদন/মায় (স্বামিন) | SAC | ০১৭১৪-৫৫১৭৭২ | |

বু গোল্ড প্রোগ্রাম

পোল্ডার পানি ব্যবস্থাপনা পরিকল্পনা বাস্তবায়ন ও অংশীদারিত্ব উন্নয়ন কর্মশালা
পোল্ডার-২, সাতক্ষীরা

ভেন্যুঃ- সার্কিট হাউজ মিলনায়তন, সাতক্ষীরা ।
অংশগ্রহনকারীদের উপস্থিতি (স্বাক্ষর) সীট

তারিখ: ০১/১০/২০১৯

| ক্রঃ নং | নাম | পদবী ও সংস্থা/সংগঠন | মোবাইল নং | স্বাক্ষর |
|------------|----------------------|-------------------------------------|--------------|----------|
| ৭৩ | কুশলীয়া মুন্সী | TC - map | ০১৭১৪-৩৯০০৭৭ | |
| ৭৭ | শাহিনুর | CS | ০১৭১১-৫৭৯৬ | |
| ৭৮ | M. A. Kasim | TCL | ০১৭১৭৩৩৭১৭ | |
| ৭৯ | Md. Joyuel Abedin | 20 & Env. Expert BGP | ০১৭১১৭৪৩৪৭০ | |
| ৮০ | Mohammad Shahidullah | Civil Engineer Blue Gold Program | ০১৭১৫৪৭৪০৩ | |
| ৮১ | Md. Aleker Rahman | TC - Patuakhali BGP | ০১৭১৭-৪৪৭৭৫৬ | |

| ক্রঃ নং | নাম | পদবী ও সংস্থা/সংগঠন | মোবাইল নং | স্বাক্ষর |
|------------|-------------------------------|---------------------------------------|--------------|----------|
| ৯২ | এম এম মোস্তফা করমচন্দ | DC, Satkhira | | |
| ৯৩ | মো: বাড়ীউরুমান | অতিরিক্ত প্রোগ্রামার (সাতক্ষীরা) | | |
| ৯৪ | এম এম মোস্তফার রহমান | অতিরিক্ত প্রোগ্রামার (সাতক্ষীরা) | | |
| ৯৫ | মো: হুমায়ুন শওকত | DDL & সাতক্ষীরা | | |
| ৯৬ | স্বপন হোসেন | NDC, সাতক্ষীরা | ০১৭২৩-৫৫৫০২৬ | |
| ৯৭ | কৃষ্ণবিন্দু এরবিন্দ বিন্দু | উপ-প্রোগ্রামার কৃষ্ণবিন্দু এরবিন্দ | ০১৭১০১২৭৫৫ | |
| ৯৮ | মো: আবুল মাসুদ | নির্দেশক সাতক্ষীরা পড়া বিষয়-১ | ০১৭১৩-৪২৫৪৭৬ | |