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SAP008 "Extended Community Climate Change Project-Flood (ECCCP-Flood)"

Quarterly Environmental & Social Safeguards Monitoring Report

April 2022-June 2022





Quarterly ESS Monitoring Report (April-June 2022)

ECCCP-Flood



BASIC INFORMATION ABOUT THE PROJECT

Project ID / OutputID	SAP 008		
Full Title:	Extended Community Climate Change Project-Flood (ECCCP-Flood)		
Targeted Areas	Nilphamari, Lalmonirhat, Gaibandha, Kurigram & Jamalpur		
Start Date	27 April 2020	Completion date:	26 April 2024
Total Project Fund:	USD 13.33 million	Budgeted allocation	
GCF (Grant):	USD 9.68 million	1st year	USD 2.94 Million
PKSF (Co-financing):	USD 3.65 million	2nd year	USD 3.88 Million
		Total disbursement by GCF	USD 4.97 Million
National Designated Authority:	Economic Relations Division, Ministry of Finance, The People's Republic of Bangladesh.		
Accredited Entity:	Palli Karma-Sahayak Foundation (PKSF)		
Country:	Bangladesh		



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Acronyms

DPHE	Department of Public Health Engineering
ECCCP	Extended Community Climate Change Project
EC	Executive Committee
ECA	Environmental Conservation Act (1995)
ECR	Environment Conservation Rules (1997)
ESAP	Environment and Social Action Plan
ESMF	Environmental and Social Management Framework
ESSS	Environment and Social Safeguard Standard
ESS	Environment and Social Safeguard
FGD	Focus Group Discussion
GCF	Green Climate Fund
GHG	Greenhouse Gas
GRM	Grievance Redress Mechanism
IEs	Implementing Entities
IEE	Initial Environmental Examination
IFC	International Finance Corporation
PHC	Primary Health Care
PKSF	Palli Karma-Sahayak Foundation
PMU	Project Management Unit
PO	Partner Organization
PPE	Personal Protective Equipment
PS	Performance Standard



Executive Summary

Palli Karma-Sahayak Foundation (PKSF) has been implementing the project titled “Extended Community Climate Change Project-Flood (ECCCP-Flood)” with grants financed by Green Climate Fund (GCF). The project aims to assist targeted project participants to increase the resilience of the poor, marginalized, and climate-vulnerable communities from the adverse effects of climate change in the flood-prone areas of Bangladesh. ECCCP-Flood also aims to provide climate-resilient shelters, livelihoods, drinking water sources, and sanitation systems for these people. The ECCCP-Flood project is under Environment and Social Safeguard Category ‘C’ as per GCF’s Environmental and Social Safeguard Standards which means the project is likely to have minimal or no adverse environmental and social impacts. So, the Project Management Unit (PMU) developed an Environment and Social Action Plan (ESAP) for the sustainable adaptation measures of the project which is aligned with GCF’s Environmental and Social Safeguard (ESS) policies and country’s rules and regulations e.g., Bangladesh Labour Law, Environmental Law, and Policy along with PKSF’s Environmental and Social Management Framework (ESMF). This report will cover the progress that has been achieved between *April 2022 to June 2022*. Various activities have been performed by the Implementing Entities (IEs) during this period. Among those activities, protection of homesteads from adverse effects of flood, increase access to safe water and sanitation, and access to flood-resilient livelihoods are the main ones. Various workshops had been conducted at the local level. Initially, all the IEs were visited by the PMU at different locations to identify potential environmental and social impacts of their activities. Visiting project locations helped to reveal a few common environmental impacts that have occurred due to project activities. Among those waste water generation, dust pollution, lack of waste management practice, lack of awareness of occupational health and safety, and land use pattern change were found as the most significant environmental impacts. No such activities regarding natural habitat loss, activities among ecologically critical areas, or conservation areas have been found. No unresolved community grievances were found during the field visit and Implementing Entity (IE)-level activity except for some local political influence.



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A. Background and Description of the Project

The impacts of climate change in Bangladesh are becoming increasingly evident. It has already been reflected in natural disasters like floods, flash floods, salinity ingress, tidal surge, and drought. The frequency and intensity of these disasters are ever-increasing. The poor are at the highest risk. Women and children will be affected worse than any other group in the community due to their low capacity to cope with shocks. The poor and marginalized communities living in flood-prone areas generally depend on agriculture for their livelihoods, which are highly sensitive to climate change. These climate-induced disasters affect habitation, availability of water, and sanitation systems. ECCCP-Flood aims to provide climate-resilient shelters, livelihoods, drinking water sources, and sanitation systems for these people.

The project sought grant finance from the Green Climate Fund (GCF) in the reality that the people living in the riverine char areas are highly vulnerable to climate change fallout, particularly floods. Their homesteads frequently inundated by flood water. Their livelihoods depend on subsistence agriculture and agriculture wage labour which are also very sensitive to flooding. They lose their crops almost every alternative year. The women in the char areas are particularly vulnerable to floods because they have to look after children and old members of the households in addition to collecting drinking water, cooking food, looking after poultry and livestock, and other household activities. Adolescent girls and women are also vulnerable to sexual harassment during a flood because they have to stay on embankments or in flood shelters. These poor communities always struggle to meet their daily necessary commodities and have the least capacity to address additional threats.

B. Purpose of the Report

As per GCF's Environmental and Social Safeguard Policy, the ECCCP-Flood project is under Environment and Social Safeguard Category 'C' which means the project is likely to have minimal or no adverse environmental impacts. PKSF monitors ESS-related issues due to the activities under the 'ECCCP-Flood' project using ESAP developed by themselves. The ESAP



has been developed for the sustainable adaptation measures of the project which is aligned with GCF's ESS policies and country's rules and regulations which is aligned with Bangladesh Labour Law, Environmental Law and Policy along with PKSf's ESMF. The purpose of the report is to document the impacts of community-level adaptation interventions on the environment and society. The reports also capture lessons learned on environmental and social impacts at the field level and use them for further improvement of the quality of project implementations. The report will be shared through PKSf's website to make it public as a part of public disclosure.

C. Environment and Social Safeguard Standards (ESSs)

There are ten established ESSs that PKSf (including IE), and the project will meet through the project life cycle. They are as follows:

- Environmental and Social Standard 1: Assessment and Management of Environmental and Social Risks and Impacts
- Environmental and Social Standard 2: Labour and Working Conditions
- Environmental and Social Standard 3: Resource Efficiency and Pollution Prevention and Management
- Environmental and Social Standard 4: Community Health, Safety and Security
- Environmental and Social Standard 5: Land Acquisition, Restrictions on Land Use, and Involuntary Resettlement
- Environmental and Social Standard 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources
- Environmental and Social Standard 7: Indigenous Peoples/Traditional Local Communities
- Environmental and Social Standard 8: Cultural Heritage
- Environmental and Social Standard 9: Financial Intermediaries
- Environmental and Social Standard 10: Stakeholder Engagement and Information Disclosure



D. Environmental and Social Safeguards Monitoring Report

The report was prepared based on the findings from the field visits in the project areas where attached checklists were used (attached in Annex-1 and Annex-2). The findings are described below:

1.1 Environmental and Social Standard 1: Assessment and Management of Environmental and Social Risks and Impacts

Initially, the environmental and social risks of the project were assessed during the design phase of the project. However, new risks may arise during the implementation period. Hence, PMU tries to assess ESS risks throughout the project cycle to mitigate those effectively.

There are very limited environmental and social risks and impacts that have been identified during the environmental and social screening of the project. The PMU also developed a mitigation plan through developing an ESAP.

In the field, it was found that most of the activities were performed considering environmental and social safeguard policy and as per the ESAP prepared by PKSF. There were no visible water and noise pollution found in the project areas. But soil pollution was found in the Lalmonirhat district. Due to sanitary latrine installations, wastewater has been generated in the project areas but it was managed by constructing soak wells and safety tanks to protect ground and surface water from contamination. In the Lalmonirhat district, water congestion was found due to project interventions. Dust management is a challenging issue in the project areas and proper dust management has not been found in a few places in the Nilphamari district.

Grievance Redress Mechanism (GRM) is established in the project areas, but it was moderately up to the mark. There is an ongoing grievance record system where different types of complaints are written down. And in most cases, the complaints were resolved with the help of local leaders or IEs staff. There were no unsolved grievance issues that have been found during this reporting period (The recorded facts related to the grievance are given on page no.-11).

1.2 Environmental and Social Standard 2: Labour and Working Conditions

It was found that all the labours were treated equally in the field and no gender discrimination issues have been found. All of them are getting equal opportunities to work. It was found that



there is a good relationship between workers and management. Besides, no negative issues were found in any of the project locations. National employment and labour laws have been followed strictly in the field and the labours were found as well-known regarding their hours of work, wages, overtime, compensation, and benefits. But no written Labour Management procedure has been found except in Jamalpur and Lalmonirhat districts.

There were limited harmful activities in the field, and the implementing entities have ensured gloves, gumboots, and face masks for workers' safety. IEs have ensured safe drinking water for workers. It should be mentioned that no issues have been found with slipping or falling or major injuries. And there were no cases of sexual harassment. Moreover, no past fire incidents were recorded in the project areas.

The labours have been found well-oriented about their health and safety by the implementing entities and there are Primary Health Care (PHC) facilities in the field except for a few places in Nilphamari and Kurigram districts where fast aid facility was missing. As the project is running during the Covid-19 situation so in most of the cases (except in a few places in the Kurigram district) it has ensured that the labours are working using masks and maintaining social distancing and other health protocols to protect themselves from Covid-19 and dust also. Similar to group meetings, participants have found using the mask as well as maintaining social distance. It has been found that few workers in the Kurigram district are reluctant in using masks while working as they feel it is an obstacle. Moreover, workers' health and safety sessions were conducted in most of the places except a few places in Jamalpur, Kurigram, and Lalmonirhat districts.

No labour has been found under the age of 18 (Child Labour). It has been found that few labours are working forcefully in the Lalmonirhat district. Moreover, no external labour has been found in the implementation process. All the activities have been performed through the local people and project participants.

1.3 Environmental and Social Standard 3: Resource Efficiency and Pollution Prevention and Management

Earlier, it is mentioned that some soil pollution and soil degradation issues have been found in the Lalmonirhat district but it was minimized as plantation activities in the raised plinth have already been implemented. Moreover, there is no such intervention till now that can produce

hazardous waste to contaminate ground or surface water. There were no such water congestion issues except in a few places in the Lalmonirhat district due to plinth elevation.

It was ensured that the resources have been used with care and there were a few issues related to groundwater use in the project areas as groundwater is up-taken using tubewells for drinking purposes. Moreover, for plinth raising in most cases, alluvial sand was not used except in a few places in the project areas. And there was no use of fertile topsoil in plinth raising.



Figure 1: Plantation in the slope of the raised plinth

There are no activities in the project that can emit Greenhouse Gas (GHG). Though some GHG sources (like- transportation, industry, etc.) were found in the project areas specially in Lalmonirhat and Nilphamari districts those were not due to project activities.

Though the project participants have been found using chemical fertilizer and insecticides, the promotion of using organic fertilizer and an integrated pest management system is going on except in a few places in Nilphamari, Kurigram, and Lalmonirhat districts. Banned pesticides are being used in a few places in the Nilphamari district. At the same time, the Pheromone trap is being used in a few areas of Jamalpur, Gaibandha, and Lalmonirhat districts. The project participants are practicing using crop residues as fertilizer except in a few places of the Lalmonirhat district.

1.4 Environmental and Social Standard 4: Community Health, Safety & Security

A significant number of tubewells and latrines have already been installed and they are generating waste water, but it has been managed well through soak well construction. So, no major community health, safety, or security problems have been found so far. Moreover, project participants were found to be well aware of using shoes while using the toilets. In most cases, for tubewell installation, advice has been taken from the Department of Public Health Engineering (DPHE). A minimum 30 feet distance has been maintained between tubewells and latrines except for a few areas of the Lalmonirhat district. Few installed tubewells water samples are under testing process in the laboratory and few have already been tested. Arsenic was not found (as per Bangladesh standards) in the water samples of the project areas but in a

few places of Gaibandha, Iron concentration was higher (as per Bangladesh standard) than the standard limit. So, they were re-boring to find a better water layer. Few tubewell platforms have already been constructed in the project areas after getting water quality test report. In most of the areas, tubewell platform slopes were found enough to drain the water except in a few places the in Lalmonirhat district. So, those are going to be reconstructed to drain the water smoothly. To ensure hygiene water tanks and soaps were found in Lalmonirhat, Kurigram, Nilphamari, and a few places in Jamalpur, and Gaibandha districts beside constructed latrines. And the latrine surroundings were found neat and clean.



Figure 2: Tubewell use

Solid waste management has been found as a challenging task in the project areas and there is no such waste treatment method in those areas. Rather the community is practicing pit/vermi-composting in Gaibandha, Jamalpur, and Lalmonirhat districts by using organic wastes. In a few areas in the Lalmonirhat district, household waste disposal in open places has been found. To mitigate the issues, regular sessions are being conducted to make them aware and motivated toward organic composting. Till now, no risk of ground or surface water contamination has been found. Moreover, there are no activities in the project design that could cause harm to private or personal property.

1.5 Environmental and Social Standard 5: Land Acquisition, Restrictions on Land Use, and Involuntary Resettlement

Minimal land use pattern change has been found in the Nilphamari district. But no damage to agricultural land has been found. Moreover, no displacement issue was found. And there is no proper alternative land use plan or compensation plan has been set till now as no displacement issue has arisen. Moreover, there is no incident of forced eviction or forced resettlement.

As the project participants are getting the house on high raised plinths so their standards of living are getting better gradually. Moreover, it has been found that they are practicing homestead gardening, which is helping to meet the need of their daily needs and nutrition.

1.6 Environmental and Social Standard 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources

At present, no such threat to biodiversity has been found. Most of the project areas have no such endangered species except in the Lalmonirhat district. So, protecting those endangered species has been taken as a prime concern during project implementation. Moreover, the project does not have any plans to implant alien invasive species.

Plantation on the raised plinth around the raised homesteads is increasing the number of natural resources. Few trees have been cut due to plinth raising activities in the Kurigram district but five more trees have been planted instead of one tree cutting to integrate conservation and development activities. Turfing on the slope of the raised plinth has also been ensured. Moreover, homestead gardening is also being practiced by the project participants except in a few areas of Jamalpur and Nilphamari districts.



Figure 3: Homestead Gardening

1.7 Environmental and Social Standard 7: Indigenous Peoples/ Traditional Local Communities

There is no indigenous or tribal community in the project areas. There is no such negative impact on the traditional local community.

1.8 Environmental and Social Standard 8: Cultural Heritage

The project intervention places have no such cultural heritage site.

1.9 Environmental and Social Standard 10: Stakeholder Engagement and Information Disclosure

All the information has been shared with the relevant stakeholders for ensuring sustainability along with their active participation in the project. Information and the project progress reports were also shared on the PKSf website as a part of information disclosure.

1.10 Major Identified Impacts found and Mitigation Measures were taken at the Field Level

Identified Impacts based on Field Visit	Mitigation Measures taken
Dust Pollution	Considering weather conditions like wind flow, and wind speed, the labours have used musk and sprayed water.
Greenhouse Gas (GHG) emission	It has been found that the emission of GHG was not emitted due to the project activities rather than other activities like transportation.
Unavailability of sand/soil for plinth raising	<ul style="list-style-type: none"> a) Alternative sand/soil sources like-pond/canal were used; b) Used fallow land for earthwork; c) The soil was taken mostly from sandy char land. So, it will be covered again during the flood through sedimentation; d) Sometimes the project participants purchased soil at a low price from a distant place.
Soil Pollution and Degradation	More plantation work and turfing are going on to prevent soil erosion.
Generation of waste water	Managed through soak well construction
Lack of proper Solid Waste Management	Promotion of organic composting (pit/ vermi-composting) is going on and regular sessions are conducted to motivate the project participants to avoid open disposal of wastes.
Tree cutting or clear felling	Motivation is ongoing not to cut trees. If needed, five more saplings were planted for one tree logging. If needed, a plantation program will be designed. Project participants planted trees by their own contributions.
Environmental pollution due to the use of pesticides and chemical fertilizers	<ul style="list-style-type: none"> a) Encouraged the community to use organic manure, and organic fertilizer like vermi-compost for soil fertility; b) Promoted Integrated Pest Management (IPM);

	c) Ensured banned pesticides are not used.
Water stagnation/ drainage congestion/ water logging	Constructed drain/s ensuring properly maintained natural slope.
Impact on surface water quality due to throwing wastes here and there	Trying to introduce proper solid waste management, and water quality management.
Community health and safety	<p>a) Encouraged the community to dump the organic waste into a pit to produce organic fertilizer as well as proper solid waste management;</p> <p>b) Used shoes while using latrine;</p> <p>c) Tested Arsenic and Iron concentration for the drinking water sources of the installed tubewells;</p> <p>d) Community keeps their toilet neat and clean by themselves;</p> <p>e) Ensured twin-pit soak well under the sanitary latrines;</p> <p>f) Ensured soap and water sources besides the latrine to maintain proper hygiene;</p> <p>g) Ensured hygiene-related sessions during the group meeting discussions;</p> <p>h) Ensured handle inside the latrine so that aged and pregnant women can smoothly use the latrine.</p>
Viral and bacterial diseases may transmit from the slatted houses of Goats/Sheep	<p>a) Ensured proper waste and urine management;</p> <p>b) Ensured periodic vaccination;</p> <p>c) Ensured proper disposal of the dead goats/sheep (if any).</p>
Land use pattern change	As there is no eviction or displacement issue, so no alternative plan till now.



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Equal opportunity for workers	As it is due to some social constraints, so encouraged the community people to break this taboo.
Gender discrimination from poorest households including marginalized people	<p>a) The project participant selection procedure was the same for all. There was no discrimination during the beneficiary selection process. The Project Management Unit (PMU) verified the beneficiary list physically to ensure that there was no discrimination;</p> <p>b) Developed and promoted a Grievance Redress Mechanism (GRM) to find out the discrimination aspects.</p>
Political influence	Mitigated the problem through proper disclosure of the project-related information with the relevant stakeholders and time-to-time communication with the local leaders and local government institutions.



2. Grievance Redress Mechanism (GRM)

Several grievance issues have been found in the field, while most of them are resolved with the help of local leaders or IEs. And most of the community people (except a few people in Gaibandha, Kurigram, and Lalmonirhat districts) are well known regarding the grievance issue or mechanism and no complaints have been found that remain unsolved. All the complaints were found verbally. But the practice of GRM is not up to the mark in Gaibandha, Kurigram, and Lalmonirhat districts. A few complaints and the action taken to resolve the issues have been discussed below:

Complains/Grievance	Types of complaints (written/verbal)	Action taken	Acceptance by the aggrieved person (Yes/No.)
A female project participant in the <i>Jamalpur</i> district claimed all project-related support like- goat slatted house, agriculture, tubewell, and latrine for her own.	Verbal	Project personnel of the IE and CCAG leaders communicated with her and shared project opportunities and modalities of the financial contribution for the toilet. IE staff tried to clarify the role and responsibilities of beneficiaries and the project.	Yes
In the <i>Jamalpur</i> district, Local elected bodies' personnel demand seeds and fertilizer for her without any condition.	Verbal	IE staff has improved communication and rapport building with the Chairman, members, and civil society through addressing details of project goals objectives, and implementation procedure.	Yes



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In the <i>Jamalpur</i> district, a female project participant claimed a tubewell and latrine for her own without any contribution.	Verbal	IE staff and respective CCAG leaders discussed the project implementation guidelines with the aggrieved participant to convince her and to handle the issue smoothly.	Yes
Some project participants in the <i>Lalmonirhat</i> district found interested to get sanitary latrines and tubewells on a single-family basis instead of three family bases.	Verbal	Project personnel of the IE and CCAG leaders communicated with her and shared project opportunities and modalities of the financial contribution for the sanitary latrine. IE staff tried to clarify the role and responsibilities of beneficiaries and the project.	Yes
In the <i>Lalmonirhat</i> district, some project participants found interested to get the local variety of seeds.	Verbal	IE staff and respective CCAG leaders discussed the benefit of flood-tolerant rice crop seeds and made them understand the issue.	Yes
In the Kurigram district, an unwanted situation had been created between the group leader and a group member as the group leader found the group member's goat-slatted house without tar. The group leader immediately asked the member to put tar in the slatted house. This made the member	Verbal	The problem was solved with the help of other group members. The aggrieved group member claimed that she was very busy harvesting paddy. So, she could not put tar in the slatted house. She promised to put tar within 3 days.	Yes



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angry and arise a quarrel between them.			
In the <i>Kurigram</i> district, a group member's husband made a barrier to installing the tubewell and tried to install it at his homestead.	Verbal	IE staff and CCAG leader convinced him that according to the project design and implementation guidelines there is no scope to provide tubewell for a single family. That made him understand that- the installation of a tubewell is a community activity so that Everybody in the community can collect drinking water from the tubewell all day long including at night also. So, the tubewell should be installed in such a common place where everyone can enter at any time.	Yes
In the <i>Kurigram</i> district, the union council member created obstacles to the implementation of plinth-raising activities. He stopped the plinth-raising activity in his constituency. He said that all the work of the project in his constituency should be done through him. Otherwise, he would not let any activity run.	Verbal	IE staff Communicated with him and clarify about the project goals, objectives, and activities implementation strategies. Under pressure from local leaders and CCAG members, he overturned his unjust demands.	Yes



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In the <i>Kurigram</i> district, a few project participants complained about why a single-family was not being given a latrine.	Verbal	IE staff convinced them that according to the project design and implementation guidelines there is no instruction to provide latrines to single or two families.	Yes
In the <i>Kurigram</i> district, a few project participants complained about why single and two houses are not being raised.	Verbal	IE staff convinced them that according to the project design and implementation guidelines there is no scope to raise plinth for a single or two families.	Yes
In the <i>Lalmonirhat</i> district, a project participant who had received a slatted house had sold all her goats.	Verbal	IE staff convinced him that according to the project design and implementation guidelines Goats should be kept in the goat house for rearing. And she ensured that she would buy goats within a week.	Yes
In the <i>Jamalpur</i> district, a few project participants complained that two tubewell platforms had already been cracked and plaster had already been damaged.	Verbal	IE staff inspected the site with the engineer and revealed that the cracks appeared on the platform due to improper mixing of cement and sand. Then IE informed the contractor, and the contractor repaired the platforms.	Yes
In the <i>Jamalpur</i> district, a female project participant claimed goat slatted house for goat rearing instead of an agricultural option.	Verbal	IE staff convinced her that she was selected for agricultural support and she had already taken agricultural support (wheat). As per project rule, a	Yes



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		participant who had taken agricultural support, could not take livelihood intervention.	
In the <i>Nilphamari</i> district, some local people tried to stop plinth-raising activities as they were not on the project participant list.	Verbal	IE staff convinced them that the project had some implementation guidelines and they are bound to follow those guidelines. Then the issue was resolved with the help of the local members and chairman.	Yes
In the <i>Gaibandha</i> district, some beneficiaries wanted to get more soil as they were willing to increase their household area.	Verbal	IE staff convinced them that the project had some implementation guidelines and they are bound to follow those guidelines.	Yes

E. Flood Information

During the reporting period, the project locations faced severe flooding. Around 48,580 families had affected during this flood. Among them, 3482 were direct project participants. It has been found that no raised plinth has submerged under water. Rather, around 249 indirect beneficiary families had taken shelter on the raised plinths with their household goods and domestic animals. Day-wise flood information was collected from the field and a field visit had taken place during the flood.



F. Conclusion

During the reporting period, based on the screening results, it has been shown that the project is categorized as 'C' i.e., no or minimum environmental and social impacts on the project area. Moreover, it was found that the Implementing Entities (IEs) of the ECCCP-Flood project increased their capacity on understanding ESS compliance. But they lack in skill for implementing the guidelines. However, the PMU is continuously putting efforts to increase the skill of the IE staff. It was found that IEs have consulted with the project participants and local community in line with the ESS, and ESAP and have used prescribed formats for Environmental Screening and GRM. Moreover, in group meetings, the program participants and workers have been instructed to adopt environmentally sustainable practices. No activities were taken without resolving the community grievance.

Annex- I

Environmental and Social Safeguard Screening Format

Extended Community Climate Change Project-Flood (ECCCP-Flood)

Name of IE:.....

Date of Screening:

Name of the Union:

Name of Upazila:

Name of the District:

Section 1: Environmental Risk Factors

Exclusion criteria	YES	NO	Comments
Will the activities involve associated facilities and require further due diligence of such associated facilities?	<input type="checkbox"/>	<input type="checkbox"/>	
Will the activities involve trans-boundary impacts including those that would require further due diligence and notification to downstream riparian states?	<input type="checkbox"/>	<input type="checkbox"/>	
Will the activities adversely affect working conditions and health and safety of workers or potentially employ vulnerable categories of workers including women, child labour?	<input type="checkbox"/>	<input type="checkbox"/>	
Will the activities potentially generate hazardous waste and pollutants including pesticides and contaminate lands that would require further studies on management, minimization and control and compliance to the country and applicable international environmental quality standards?	<input type="checkbox"/>	<input type="checkbox"/>	
Will the activities involve the construction, maintenance, and rehabilitation of critical infrastructure (like dams, water impoundments, coastal and river bank	<input type="checkbox"/>	<input type="checkbox"/>	

infrastructure) that would require further technical assessment and safety studies?			
Will the proposed activities potentially involve resettlement and dispossession, land acquisition, and economic displacement of persons and communities?	<input type="checkbox"/>	<input type="checkbox"/>	
Will the activities be located in protected areas and areas of ecological significance including critical habitats, key biodiversity areas and internationally recognized conservation sites?	<input type="checkbox"/>	<input type="checkbox"/>	
Will the activities affect indigenous peoples that would require further due diligence, free, prior and informed consent (FPIC) and documentation of development plans?	<input type="checkbox"/>	<input type="checkbox"/>	
Will the activities be located in areas that are considered to have archaeological (prehistoric), paleontological, historical, cultural, artistic, and religious values or contain features considered as critical cultural heritage?	<input type="checkbox"/>	<input type="checkbox"/>	

Section 2: Specific Environmental Impacts

SL No.	General intervention issues	Yes	No	N/A	Comments
1. Issues related to Environment & Pollution					
1.1	Is there any visible Water Pollution?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.2	Is there any visible Air Pollution?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.3	Is there any issue related to Soil Degradation and Soil pollution?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.4	Is there any issue that causes Noise Pollution?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.5	Are there any interventions that cause Liquid Waste or Waste-water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.6	Are there any interventions that cause Hazardous Waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

1.7	Does any intervention change the Land use pattern?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.8	Is there any source that causes GHG (Greenhouse Gas) emissions?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Issues related to Labour, Working Condition, Occupational Health & Safety					
2.1	Does everyone get Equal opportunity for working?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.2	Is there any Negative incident between workers and management?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.3	Is there any Child labour (age <18)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.4	Is there any Labour working forcefully?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.5	Is there any written Labour Management procedure?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6	Does the Labour are well known about their hours of work, wages, overtime, compensation and benefits?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7	Are there any Covid-19 precautions measures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.8	Is there any preparedness for Fire incidents?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.9	Is there any past incident of slips and falling and major injuries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.10	Is there any protective measure for Dust management?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.11	Is there any source of drinking water in the workplace?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.12	Is there any session regarding works safety and health?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.13	Is there any case regarding sexual harassment in the workplace?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.14	Is there any PHC (Primary Health Care)/ First Aid facility available in the workplace?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Issues related to Resource & Energy					
3.1	Does the intervention use Groundwater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

3.2	Does the intervention use Surface-water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Issues related to Community Health & Safety					
4.1	Is there any available Waste Treatment method?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.2	Is there any open Waste Disposal issue?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3	Is the Goat Manure used as Fertilizer?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.4	Is there any promotion of Composting from waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5	Is there any Vermicomposting/ Pit Composting unit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6	Is it maintaining 30 feet distance between Tubewell (TW) and Latrine?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.7	Is any advice taken from DPHE regarding TW installation and Latrine construction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.8	Is there any concrete made TW platform?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.9	Does the TW platform have enough slope to drain water effectively?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.10	Are any TW water supply options, tested positive for Arsenic?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.11	Is there any possibility to affect the quality or quantity of Surface water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.12	Is there any water congestion or a waterlogging issue?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.13	Is the Latrine designed considering Pregnant Women, Children and Elderly people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.14	Is there any chance of Groundwater discharge/ Contamination of Drinking water or spreading water-borne diseases due to project intervention/ Latrine pit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.15	Is Soak well available below the TW/Latrine?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.16	Is there are available water tank beside the Latrine?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

4.17	Are the Latrine and its surroundings neat and clean?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.18	Is there any Hygiene Promotion Session?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Issues related to Land					
5.1	Is there any forced resettlement issue?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.2	Is there any issue of displacement both physically and economically?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.3	Is there any issue regarding forced eviction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.4	Is there any alternative land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.5	Is there any compensation plan for the loss of assets?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.6	Does project intervention affect any private homesteads (vita with houses & other assets)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Issues related to Habitat, Wildlife & Biodiversity					
6.1	Is there any Endangered Species?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.2	Is there any issue relevant to an intervention of Alien invasive species?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.3	Is there any deforestation or tree cutting or land clearing issue?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.4	Is there tree plantation around the intervention places or slopes of the plinth?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Issues related to Raised Homestead					
7.1	Has the plinth been raised with Alluvial sand?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.2	Is it maintained at least 1 (one) feet height of the plinth more than the previous flood level?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.3	Is there any damage to the plinth slope?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.4	Is there any use of fertile topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.5	Is there any run-off/surface water congestion issue due to plinth raising?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. Issues related to Agriculture & Livelihood					
8.1	Are there any practices of vegetable cultivation on Sand-bars?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

8.2	Is there any training session for Integrated Pest Management (IPM)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.3	Is the Pheromone trap available in the cultivation plot?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.4	Does the Crop residues be used as fertilizers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.5	Is there any use of banned pesticides/pest management methods?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.6	Is there any damage to the Agricultural land?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Section 3: Social Grievance Issues

1. Issues related to Grievance					
SL No.	General intervention issues	Yes	No	N/A	Comments
1.1	Is there any record of Social Grievance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.2	Is there any practice of Grievance Redress Mechanism (GRM)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.3	Is project interventions affect mosques, temples, graveyards, cremation grounds, and other places/objects that are of religious and cultural significance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Annex- II

Grievance Mechanism Monitoring Report

Extended Community Climate Change Project- Flood (ECCCP- Flood)

Name of IE:

Working Area:

Reporting Period:

Table 1: Grievance Mechanism

Sl. No.	Date of Receipt	Complains/ Grievance	Types of complain (written/verbal)	Action taken	Acceptance by the aggrieved person (yes or no.)	Narratives about the issue/Remarks

Annex- III
Arsenic & Iron Concentration Test Report

	<p>Government of the People's Republic of Bangladesh Office of the Senior Chemist Department of Public Health Engineering Rangpur Zonal Lab, Radha Ballab, Rangpur Phone: 0258800131, Fax: , Email: wqmsc_rangpurzonalab@yahoo.com</p>	
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Memo No: 46.03.8500.106.16.004.22.869

Date: 12/05/2022

Physical /Chemical/ Bacteriological Analysis of Water Sample

Sample ID: RAN2022060459 To RAN2022090470 , Total: 12	District: Nilphamari
Sent by: Project Co-Ordinator, Gram Bikash Kendra, ECCCP-Flood, Tepakharbari, Dimla, Nilphamari.	Sample Source: STW-Others
Ref. Memo No: NBP/gram Bikash Kendra & Dated: 07/06/2022	Date of Testing: 07/06/2022-08/07/2022 , 07/06/2022-08/07/2022
Collection date:	Receiving date: 07/06/2022

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L) LOQ:-, BDS-0.05		Iron (mg/L) LOQ:-, BDS-0.3-1	
					Conc.	Method	Conc.	Method
RAN2022060459	Sofura, Vill: Choudhur Para		Tepa Kharbari	Dimla Upazila	0.001	AAS	0.15	AAS
RAN2022090460	Morzina, Vill: Danga Para		Tepa Kharbari	Dimla Upazila	0.001	AAS	1.0	AAS
RAN2022090461	Momina , Vill: Madha Para		Tepa Kharbari	Dimla Upazila	0.001	AAS	2.3	AAS
RAN2022090462	Shehansaj, Vill: Madha Para		Tepa Kharbari	Dimla Upazila	0.001	AAS	1.3	AAS
RAN2022090463	Morium, Vill: Dighir Par		Tepa Kharbari	Dimla Upazila	0.001	AAS	0.39	AAS
RAN2022090464	Morium, Vill: Dighir Par		Tepa Kharbari	Dimla Upazila	0.001	AAS	0.74	AAS
RAN2022090465	Rashida, Vill: Dighir Par		Tepa Kharbari	Dimla Upazila	0.001	AAS	0.57	AAS
RAN2022060466	Shilpy, Vill: Shohor Para		Tepa Kharbari	Dimla Upazila	0.001	AAS	2.1	AAS
RAN2022060467	Sonavara, Vill: Shohor Para		Tepa Kharbari	Dimla Upazila	0.004	AAS	6.7	AAS
RAN2022060468	Sabina, Vill: Dighir par		Tepa Kharbari	Dimla Upazila	0.001	AAS	0.19	AAS
RAN2022060469	Sahana, Vill: Meher Para		Tepa Kharbari	Dimla Upazila	0.001	AAS	1.0	AAS
RAN2022060470	Srinity, Vill: Meher Para		Tepa Kharbari	Dimla Upazila	0.001	AAS	20.1	AAS

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Page 1 of 2

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L) LOQ:-, BDS-0.05		Iron (mg/L) LOQ:-, BDS-0.3-1	
					Conc.	Method	Conc.	Method

Note: 01. Sample has been tested as per supplied by client. 02. LAB ID: 649

<p>Test Performed by:</p> <p>1.) Name: Md. Humayun Kabir Designation: Sample Analyzer</p> <p>2.) Name: Designation:</p>	<p>Signature</p> <p><i>[Handwritten Signature]</i> 12.06.22 (Md. Humayun Kabir) Sample Analyzer DPHE, Zonal Laboratory, Rangpur.</p>	<p>Countersigned/Approved by:</p> <p>1.) Name: Md. Abdul Jabbar Designation: Senior Chemist</p> <p>2.) Name: Designation:</p>	<p>Signature</p> <p><i>[Handwritten Signature]</i> 12/6/22 Md. Abdul Jabbar Senior Chemist DPHE, Zonal Laboratory Rangpur.</p>
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	<p>Government of the People's Republic of Bangladesh Office of the Senior Chemist Department of Public Health Engineering (DPHE) Bogura Zonal Lab, Seojgari, Jamtola, Bogura. Phone: 051-78295, Fax: , Email: wqmsc_bograzonallab@yahoo.com</p>	
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Memo:46.03.1000.106.16.01.22.728

Date: 13/06/2022

Physical/Chemical/Bacteriological Analysis of Water Sample

Sample ID: BOG2022060599 to BOG2022060620, Total: 22	District: Gaibandha.
Sent by: Assistant Project Co-ordinator, .ECCCP-Flood, Gaibandha.	Sample Source: STW-Others Pump
Ref. Memo No:ESDO/ECCCP-Flood/ Gaibandha/27/2021-2022 Date: 09/06/2022	Date of Testing: 12/06/2022 & 13/06/2022
Collection date: Not Mentioned	Receiving date: 09/06/2022

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union/ Paurashava	Upazila/ City Corp.	Arsenic (mg/L)		Iron (mg/L)	
					LOQ:0.001, BDS:0.05 Conc.	Method	LOQ:0.1, BDS:0.3-1 Conct.	Method
BOG2022060599	Mst. Kohinur Begam	Paschim Jigabari	Erendabari	Fulchari	0.009	AAS	0.5	AAS
BOG2022060600	Mst. Lajju Begam	Paschim Jigabari	Erendabari	Fulchari	0.007	AAS	0.8	AAS
BOG2022060601	Mst. Monjura Begam	Paschim Jigabari	Erendabari	Fulchari	0.006	AAS	0.9	AAS
BOG2022060602	Mst. Hajera Begam	Paschim Jigabari	Erendabari	Fulchari	0.007	AAS	<LOQ	AAS
BOG2022060603	Mst. Rozina Begam	Purba Jigabari	Erendabari	Fulchari	0.006	AAS	0.5	AAS
BOG2022060604	Mst. Jomila Begam	Alger Char	Erendabari	Fulchari	0.007	AAS	0.8	AAS
BOG2022060605	Mst. Sabina Yasmin	Alger Char Maddha Para	Erendabari	Fulchari	0.008	AAS	0.7	AAS
BOG2022060606	Mst. Rojina Begam	Uttar Alger Char	Erendabari	Fulchari	0.013	AAS	0.6	AAS
BOG2022060607	Mst. Sahera Khatun	Char Chawmohan	Erendabari	Fulchari	0.008	AAS	<LOQ	AAS
BOG2022060608	Mst. Lovely Begam	Char Chawmohan	Erendabari	Fulchari	0.009	AAS	<LOQ	AAS
BOG2022060609	Mst. Sahinur Begam	Char Chawmohan Purba Para	Erendabari	Fulchari	0.008	AAS	0.8	AAS
BOG2022060610	Mst. Layli	Mondal Para	Fazlupur	Fulchari	0.008	AAS	0.6	AAS
BOG2022060611	Mst. Rozina	Mondal Para	Fazlupur	Fulchari	0.006	AAS	0.8	AAS
BOG2022060612	Mst. Maleka	Mondal Para	Fazlupur	Fulchari	0.011	AAS	1.0	AAS
BOG2022060613	Md. Annech Ali	Mondal Para	Fazlupur	Fulchari	0.008	AAS	0.8	AAS
BOG2022060614	Mst. Khaleda	Paschim Khatiamari	Fazlupur	Fulchari	0.009	AAS	0.7	AAS
BOG2022060615	Mohammad Ali	Paschim Khatiamari	Fazlupur	Fulchari	0.008	AAS	0.9	AAS
BOG2022060616	Mst. Saleha Begam	Paschim Khatiamari	Fazlupur	Fulchari	0.007	AAS	0.6	AAS
BOG2022060617	Mst. Rehena	Paschim Khatiamari	Fazlupur	Fulchari	0.007	AAS	1.0	AAS
BOG2022060618	Mst. Layli	Maddha Khatiamari	Fazlupur	Fulchari	0.008	AAS	0.7	AAS
BOG2022060619	Mst. Sorifa	Maddha Khatiamari	Fazlupur	Fulchari	0.009	AAS	0.9	AAS
BOG2022060620	Mst. Kohinur	Purba Khatiamari	Fazlupur	Fulchari	0.008	AAS	<LOQ	AAS

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Sample ID	Caretaker Name	Village/ Ward	Union/ Paurashava	Upazila/ City Corp.	Arsenic (mg/L)		Iron (mg/L)	
					LOQ:0.001, BDS:0.05 Conc.	Method	LOQ:0.1, BDS:0.3-1 Conct.	Method

Note: Sample Supplied by Client. LOQ-Level On Quantization, BDS: Bangladesh Standard, AAS: Atomic Absorption Spectrophotometer, UVS: Ultra Violet Spectrophotometer. Lab SI: 14572-14591

<p>Test Performed by:</p> <p>1.) Name: Md. Alauddin Al Faruque Designation: Junior Chemist</p> <p>2.) Name: Md. Hafizur Rahman Designation: Sample Analyzer</p>	<p>Signature</p> <p><i>Handwritten signature</i> 13.06.2022 Md. Alauddin Al Faruque Junior Chemist DPHE, Zonal Laboratory, Bogra.</p> <p><i>Handwritten signature</i> 13/06/2022 Md. Hafizur Rahman Sample Analyzer DPHE, Zonal Laboratory, Bogra.</p>	<p>Countersigned/Approved by:</p> <p>1.) Name: Md. Sohel Rana Designation: Senior Chemist</p> <p>2.) Name: Designation:</p>	<p>Signature</p> <p><i>Handwritten signature</i> 13/6/2022 Md. Sohel Rana Senior Chemist DPHE, Zonal Laboratory, Bogra.</p>
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	<p>Government of the People's Republic of Bangladesh Office of the Senior Chemist Department of Public Health Engineering Mymensingh Zonal Lab, Gojia Bari Math, Naomahal, Mymensingh Phone: 091-66489, Fax: , Email: wqmsc_mymensinghzonallab@yahoo.com</p>	
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Memo No: 1216

Date: 13/06/2022

Physical /Chemical/ Bacteriological Analysis of Water Sample

Sample ID: MYM2022060369 To MYM2022060391 , Total: 23	District: Jamalpur
Sent by: Md. Atikul Islam, APC, ESDO,ECCCP-Flood, Jamalpur	Sample Source: STW-Others
Ref. Memo No: ESDO/ECCCP-Flood/Jamalpur/28 & Dated: 12/06/2022	Date of Testing: 12/06/2022-13/06/2022
Collection date:	Receiving date:

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L)		Iron (mg/L)	
					LOQ:0.0002, BDS:0.05	Method	LOQ:0.04, BDS:0.3-1	Method
MYM2022060369	Mst. Panvin Akter	Shubhagachha	Balijuri	Madarganj	0.021	AAS	0.57	AAS
MYM2022060370	Mst. Sufia Begum	Shubhagachha	Balijuri	Madarganj	0.001	AAS	0.12	AAS
MYM2022060371	Mst. Buhula Begum	Shubhagachha	Balijuri	Madarganj	0.003	AAS	<LOQ	AAS
MYM2022060372	Md. Tarek Sheikh	Shubhagachha	Balijuri	Madarganj	0.011	AAS	0.34	AAS
MYM2022060373	Mst. Emeli Begum	Shubhagachha	Balijuri	Madarganj	0.012	AAS	0.37	AAS
MYM2022060374	Mst. Jarina Begum	Shubhagachha	Balijuri	Madarganj	0.015	AAS	0.41	AAS
MYM2022060375	Mst. Hasna Begum	Shubhagachha	Balijuri	Madarganj	0.003	AAS	0.04	AAS
MYM2022060376	Mst. Shila Begum	Shubhagachha	Balijuri	Madarganj	0.006	AAS	0.14	AAS
MYM2022060377	Mst. Afroza Begum	Nadgari	Balijuri	Madarganj	0.003	AAS	0.08	AAS
MYM2022060378	Mst. Manjuara Begum	Char Nangla	Balijuri	Madarganj	0.008	AAS	0.18	AAS
MYM2022060379	Mst. Peara Begum	Nadagari	Balijuri	Madarganj	<LOQ	AAS	0.24	AAS
MYM2022060380	Mst. Firoza Begum	Poschim Char Pakerdaha	Char Pakerdaha	Madarganj	<LOQ	AAS	0.38	AAS
MYM2022060381	Mst. Kahinur Begum	Poschim Char Pakerdaha	Char Pakerdaha	Madarganj	<LOQ	AAS	0.98	AAS
MYM2022060382	Mst. Nasima Begum	Poschim Char Pakerdaha	Char Pakerdaha	Madarganj	<LOQ	AAS	1.40	AAS
MYM2022060383	Mst. Munsahera	Poschim Char Pakerdaha	Char Pakerdaha	Madarganj	<LOQ	AAS	0.59	AAS
MYM2022060384	Mst. Jahura Begum	Poschim Char Pakerdaha	Char Pakerdaha	Madarganj	<LOQ	AAS	0.66	AAS
MYM2022060385	Mst. Kahinur Begum-2	Kayalikandi	Char Pakerdaha	Madarganj	<LOQ	AAS	0.31	AAS
MYM2022060386	Mst. Kulsum Begum	Pakrul	Char Pakerdaha	Madarganj	<LOQ	AAS	1.19	AAS

Signature

Signature



Signature

Page 1 of 2

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L)		Iron (mg/L)	
					LOQ:0.0002, BDS:0.05	Method	LOQ:0.04, BDS:0.3-1	Method
MYM2022060387	Mst. Gulbahari	Pakrul	Char Pakerdaha	Madarganj	0.001	AAS	1.33	AAS
MYM2022060388	Mst. Ramisa Begum	Pakrul	Char Pakerdaha	Madarganj	0.001	AAS	1.50	AAS
MYM2022060389	Mst. Rabeya Begum	Hidagari	Char Pakerdaha	Madarganj	<LOQ	AAS	0.98	AAS
MYM2022060390	Mst. Jiada Begum	Hidagari	Char Pakerdaha	Madarganj	<LOQ	AAS	0.86	AAS
MYM2022060391	Mst. Ripa Begum	Poschim Sukhnagari	Balijuri	Madarganj	<LOQ	AAS	<LOQ	AAS

Note: LOQ-Level On Quantization, BDS: Bangladesh Drinking Standard,

<p>Test Performed by:</p> <p>1.) Name: Mohammad Anisur Rahman Designation: Sample Analyzer</p> <p>2.) Name: Muhammad Aminul Islam Designation: Sample Collector</p> <p style="text-align: center;"><i>Signature</i> Mohammad Anisur Rahman Sample Analyzer, DPHE Zonal Laboratory, Mymensingh</p> <p style="text-align: center;"><i>Signature</i> Muhammad Aminul Islam Sample Collector, DPHE Zonal Laboratory, Mymensingh</p>	<p>Countersigned/Approved by:</p> <p>1.) Name: Md. Anis Ur Rahman Khan Designation: Senior Chemist</p> <p>2.) Name: Designation:</p> <p style="text-align: center;"><i>Signature</i> Md. Anis Ur Rahman Khan Senior Chemist Department of Public Health Engineering Zonal Laboratory, Mymensingh</p>
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	<p>Government of the People's Republic of Bangladesh Office of the Senior Chemist Department of Public Health Engineering Mymensingh Zonal Lab, Gojia Bari Math, Naomahal, Mymensingh Phone: 091-66489, Fax: , Email: wqmsc_mymensinghzonallab@yahoo.com</p>	
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Memo No: 1274

Date: 19/06/2022

Physical /Chemical/ Bacteriological Analysis of Water Sample

Sample ID: MYM2022061203 To MYM2022061223 , Total: 21	District: Jamalpur
Sent by: Sheikh Md. Badiuzzaman, UFP, ESD0-ECCCP-Flood Project, Sarishabari Upazila, Jamalpur	Sample Source: DTW-Others
Ref Memo No: ESDO/21 & Dated: 15/06/2022	Date of Testing: 16/06/2022-19/06/2022
Collection date:	Receiving date:

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L)		Iron (mg/L)	
					LOQ:0.0002, BDS:0.05 Conc.	Method	LOQ:0.04, BDS:0.3-1 Conc.	Method
MYM2022061203	Mst. Asma Begum	Damodarpur	Pogaldigha	Sarishabari Upazila	0.004	AAS	0.4	AAS
MYM2022061204	Mst. Suraya Jaman Sumi	Damodarpur	Pogaldigha	Sarishabari Upazila	0.031	AAS	0.3	AAS
MYM2022061205	Mst. Josna Khatun	Damodarpur	Pogaldigha	Sarishabari Upazila	0.003	AAS	0.5	AAS
MYM2022061206	Rehena	Binnafair	Pogaldigha	Sarishabari Upazila	0.027	AAS	0.2	AAS
MYM2022061207	Mst. Jharna Begum	Binnafair	Pogaldigha	Sarishabari Upazila	0.039	AAS	0.3	AAS
MYM2022061208	Mst. Marjina Begum	Manikpatal	Pogaldigha	Sarishabari Upazila	0.018	AAS	0.5	AAS
MYM2022061209	Mst. Manjura Begum	Takuria	Pogaldigha	Sarishabari Upazila	0.028	AAS	0.2	AAS
MYM2022061210	Mst. Poli	Mali Para	Pogaldigha	Sarishabari Upazila	0.035	AAS	0.3	AAS
MYM2022061211	Mst. Surja Begum	Mali Para	Pogaldigha	Sarishabari Upazila	0.002	AAS	0.5	AAS
MYM2022061212	Mst. Anwara	Brahmanjani	Pogaldigha	Sarishabari Upazila	0.002	AAS	0.3	AAS
MYM2022061213	Mst. Alpona	Char Sarisabari	Satpoa	Sarishabari Upazila	0.010	AAS	0.6	AAS
MYM2022061214	Mst. Lipy	Char Sarisabari	Satpoa	Sarishabari Upazila	0.001	AAS	0.4	AAS
MYM2022061215	Mst. Shanti Begum	Chhataria	Satpoa	Sarishabari Upazila	0.019	AAS	0.3	AAS
MYM2022061216	Mst. Mamata	Char Sarisabari	Satpoa	Sarishabari Upazila	0.030	AAS	0.4	AAS
MYM2022061217	Mst. Akhi	Char Sarisabari	Satpoa	Sarishabari Upazila	0.002	AAS	0.2	AAS
MYM2022061218	Mst. Alpona	Char Sarisabari	Satpoa	Sarishabari Upazila	0.001	AAS	0.5	AAS
MYM2022061219	Mst. Rokeya	Char Sarisabari	Satpoa	Sarishabari Upazila	0.045	AAS	0.2	AAS
MYM2022061220	Mst. Lucky	Jamira	Satpoa	Sarishabari Upazila	0.025	AAS	0.4	AAS

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Page 1 of 2



Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic(mg/L)		Iron(mg/L)	
					LOQ:0.0002,BDS:0.05 Conc.	Method	LOQ:0.04,BDS:0.31 Conc.	Method
MYM2022061221	Mst. Rupali	Adra	Satpoa	Sarishabari Upazila	0.008	AAS	0.3	AAS
MYM2022061222	Mst. Shamima Akter (Shikha)	Char Sarisabari	Satpoa	Sarishabari Upazila	0.003	AAS	0.5	AAS
MYM2022061223	Mst. Selina	Char Sarisabari	Satpoa	Sarishabari Upazila	0.001	AAS	0.4	AAS

Note: LOQ-Level On Quantization, BDS: Bangladesh Drinking Standard,

<p><u>Test Performed by:</u></p> <p>1.) Name: Mohammad Anisur Rahman Designation: Sample Analyzer</p> <p>2.) Name: Muhammad Aminul Islam Designation: Sample Collector</p>	<p><u>Countersigned/Approved by:</u></p> <p>1.) Name: Md. Anis Ur Rahman Khan Designation: Senior Chemist</p> <p>2.) Name: Designation:</p>
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Signature
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19.06.22

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Memo No: 46.03.8500.106.16.004.22.823

Date: 29/05/2022

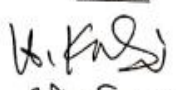
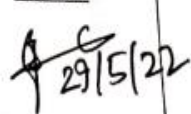
Physical /Chemical/ Bacteriological Analysis of Water Sample



Sample ID: RAN2022050966 To RAN2022050975 , Total: 10	District: Lalmonirhat
Sent by: Project Co-Ordinator, ECCCP-Flood Project, NOZIR, Airport Road, Lalmonirhat.	Sample Source: STW-Others
Ref. Memo No: NOZIR/Lal/ECCCP-Flood/55/22 & Dated: 22/05/2022	Date of Testing: 23/05/2022-25/05/2022 , 23/05/2022-25/05/2022
Collection date:	Receiving date: 23/05/2022

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L) LOQ:-, BDS:0.05		Iron (mg/L) LOQ:-, BDS:0.3-1	
					Conc.	Method	Conct.	Method
RAN2022050966	Most. Amena Khatun, Vill: Kuti Para	Khuniagachh	Khuniagachh	Lalmonirhat Sadar	0.001	AAS	3.3	AAS
RAN2022050967	Most. Hawa Begum, Vill: Talpotti	Khuniagachh	Khuniagachh	Lalmonirhat Sadar	0.001	AAS	4.9	AAS
RAN2022050968	Most. Shefaly Begum, Vill: Talpotti	Khuniagachh	Khuniagachh	Lalmonirhat Sadar	0.001	AAS	3.3	AAS
RAN2022050969	Most. Lucky Begum, Vill: Chinatuli		Rajpur	Lalmonirhat Sadar	0.001	AAS	3.7	AAS
RAN2022050970	Most. Moksena Begum, Vill: Chinatuli		Rajpur	Lalmonirhat Sadar	0.001	AAS	4.8	AAS
RAN2022050971	Most. Arefa Khatun, Vill: Chinatuli		Rajpur	Lalmonirhat Sadar	0.002	AAS	4.7	AAS
RAN2022050972	Most. Rezia Khatun, Vill: Chinatuli		Rajpur	Lalmonirhat Sadar	0.002	AAS	6.7	AAS
RAN2022050973	Most. Monowara Begum, Vill:Thikana		Rajpur	Lalmonirhat Sadar	0.001	AAS	3.9	AAS
RAN2022050974	Most. Jolekha Begum, Vill:Thikana Bazar		Rajpur	Lalmonirhat Sadar	0.001	AAS	4.9	AAS
RAN2022050975	Most.Moksena Khatun Vill:Majher Char		Khuniagachh	Lalmonirhat Sadar	0.002	AAS	3.5	AAS

Note: 01. Sample has been tested as per supplied by client. 02. LAB ID: 611.

<p>Test Performed by:</p> <p>1.) Name: Md. Humayun Kabir Designation: Sample Analyzer</p> <p>2.) Name: Designation:</p>	<p>Signature</p>  <p>29.05.22 (Md. Humayun Kabir) Sample Analyzer DPHE, Zonal Laboratory, Rangpur.</p>	<p>Countersigned/Approved by:</p> <p>1.) Name: Md. Abdul Jabbar Designation: Senior Chemist</p> <p>2.) Name: Designation:</p>	<p>Signature</p>  <p>Md. Abdul Jabbar Senior Chemist DPHE, Zonal Laboratory Rangpur.</p>
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Memo:46.03.1000.106.16.01.22.576

Date:19/04/2022

Physical/Chemical/Bacteriological Analysis of Water Sample

Sample ID: BOG2022041366 to BOG2022041369, Total: 4	District: Kurigram.
Sent by:Project Co-ordinator,ICCCP-Flood Project, Rawmari,Kurigram	Sample Source: STW-Others Pump
Ref. Memo No:Pod/ICCCP-Flood/Raw-Kuri/PD&IC/2022-103 Date: 17/04/2022	Date of Testing: 18/04/2022 & 19/04/2022
Collection date: Not Mentioned	Receiving date: 17/04/2022

LABORATORY TEST RESULTS:



Sample ID	Caretaker Name	Village/ Ward	Union/ Paurashava	Upazila/ City Corp.	Arsenic (mg/L)		Iron (mg/L)	
					LOQ:0.001, BDS:0.05		LOQ:0.1, BDS:0.3-1	
					Conc.	Method	Conc.	Method
BOG2022041366	Ab. Rowf	Baispara	Bondaber	Rawmari	0.023	AAS	1.7	AAS
BOG2022041367	Faruk	Khaluarchar	Bondaber	Rawmari	0.014	AAS	0.8	AAS
BOG2022041368	Abdullahel Kafi	Khaluarchar	Bondaber	Rawmari	0.018	AAS	0.6	AAS
BOG2022041369	Md. Kamruzzaman	Khaluarchar	Bondaber	Rawmari	0.027	AAS	1.0	AAS

Note: Sample Supplied by Client. LOQ-Level On Quantization, BDS: Bangladesh Standard, AAS: Atomic Absorption Spectrophotometer, UVS: Ultra Violet Spectrophotometer. Lab SI: 11908-11911

<p><u>Test Performed by:</u></p> <p>1.) Name: Md. Alauddin Al Faruque Designation: Junior Chemist</p> <p>2.) Name: Md. Hafizur Rahman Designation: Sample Analyzer</p>	<p><u>Countersigned/Approved by:</u></p> <p>1.) Name: Md. Sohel Rana Designation: Senior Chemist</p> <p>2.) Name: Designation:</p>
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Md. Hafizur Rahman
Sample Analyzer
DPHE, Zonal Laboratory, Bogra.

Md. Sohel Rana
Senior Chemist
DPHE, Zonal Laboratory, Bogra.

	<p>Government of the People's Republic of Bangladesh Office of the Senior Chemist Department of Public Health Engineering Rangpur Zonal Lab, Radha Ballob, Rangpur Phone: 02588809131, Fax: , Email: wqmsc_rangpurzonallab@yahoo.com</p>	
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Memo No: 46.03.8500.106.16.004.22.736

Date: 25/04/2022

Physical /Chemical/ Bacteriological Analysis of Water Sample

Sample ID: RAN2022041081 To RAN2022041092 , Total: 12	District: Lalmonirhat
Sent by: Project Coordinator, POPI, Lalmonirhat Sadar, Lalmonirhat.	Sample Source: STW-Others
Ref. Memo No: Nill/POPI & Dated: 18/04/2022	Date of Testing: 21/04/2022-24/04/2022 , 21/04/2022-24/04/2022
Collection date:	Receiving date: 21/04/2022

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L) LOQ:-, BDS:0.05		Iron (mg/L) LOQ:-, BDS:0.3-1	
					Conc.	Method	Conc.	Method
RAN2022041081	Obiron, Vill: Boalmari		Kulaghat	Lalmonirhat Sadar	0.001	AAS	0.40	AAS
RAN2022041082	Kohinur, Vill: Boalmari		Kulaghat	Lalmonirhat Sadar	0.001	AAS	0.25	AAS
RAN2022041083	Forida Khatun, Vill: Char Kharua	Kharua	Mogalhat	Lalmonirhat Sadar	0.001	AAS	0.47	AAS
RAN2022041084	Nargis Begum, Vill: Char Kharua	Kharua	Mogalhat	Lalmonirhat Sadar	0.001	AAS	0.25	AAS
RAN2022041085	Koriful, Vill: Char Kharua	Kharua	Mogalhat	Lalmonirhat Sadar	0.001	AAS	4.9	AAS
RAN2022041086	Sharbanu Begum, Vill: Char Kharua	Kharua	Mogalhat	Lalmonirhat Sadar	0.001	AAS	7.0	AAS
RAN2022041087	Rujina, Vill: Char Kharua	Kharua	Mogalhat	Lalmonirhat Sadar	0.001	AAS	0.31	AAS
RAN2022041088	Shaheda, Vill: Char Kharua	Kharua	Mogalhat	Lalmonirhat Sadar	0.001	AAS	2.8	AAS
RAN2022041089	Shantona, Vill: Char Phalimari	Phalimari	Mogalhat	Lalmonirhat Sadar	0.001	AAS	0.50	AAS
RAN2022041090	Hubjan, Vill: Char Phalimari	Phalimari	Mogalhat	Lalmonirhat Sadar	0.002	AAS	0.15	AAS
RAN2022041091	Hafiza, Vill: Char Phalimari	Phalimari	Mogalhat	Lalmonirhat Sadar	0.001	AAS	0.10	AAS
RAN2022041092	Golapi, Vill: Char Phalimari	Phalimari	Mogalhat	Lalmonirhat Sadar	0.003	AAS	0.23	AAS

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Page 1 of 2

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L) LOQ:-, BDS:0.05		Iron (mg/L) LOQ:-, BDS:0.3-1	
					Conc.	Method	Conc.	Method

Note: 01. Sample has been tested as per supplied by client. 02. LAB ID: 544.

<p>Test Performed by:</p> <p>1.) Name: Md. Humayun Kabir Designation: Sample Analyzer</p> <p>2.) Name: Designation:</p> <p style="text-align: right;"><i>[Handwritten Signature]</i> Md. Humayun Kabir Sample Analyzer DPHE, Zonal Laboratory, Rangpur.</p>	<p>Countersigned/Approved by:</p> <p>1.) Name: Md. Abdul Jabbar Designation: Senior Chemist</p> <p>2.) Name: Designation:</p> <p style="text-align: right;"><i>[Handwritten Signature]</i> Md. Abdul Jabbar Senior Chemist DPHE, Zonal Laboratory Rangpur.</p>
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Memo No: 46.03.8500.106.16.004.22.766

Date: 11/05/2022

Physical /Chemical/ Bacteriological Analysis of Water Sample

Sample ID: RAN2022050014 To RAN2022050019 , Total: 6	District: Nilphamari
Sent by: Sheikh Rohmot Ali, Rohmot Construction, Saidpur, Nilphamari.	Sample Source: STW-Others
Ref. Memo No: Nill/Rohmot Construction & Dated: 08/05/2022	Date of Testing: 09/05/2022-11/05/2022 , 09/05/2022-11/05/2022
Collection date:	Receiving date: 09/05/2022

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L) LOQ:-, BDS:0.05		Iron (mg/L) LOQ:-, BDS:0.3-1	
					Conc.	Method	Conct.	Method
RAN2022050014	Monjuara	Dolpara	Khoga Kharibari	Dimla Upazila	0.001	AAS	1.6	AAS
RAN2022050015	Rashida	Dolpara	Khoga Kharibari	Dimla Upazila	0.003	AAS	6.1	AAS
RAN2022050016	Roshida	Dolpara	Khoga Kharibari	Dimla Upazila	0.001	AAS	4.2	AAS
RAN2022050017	Shefaly	Dolpara	Khoga Kharibari	Dimla Upazila	0.001	AAS	3.7	AAS
RAN2022050018	Shahida	Dolpara	Khoga Kharibari	Dimla Upazila	0.001	AAS	1.8	AAS
RAN2022050019	Sahanaaj	Dolpara	Khoga Kharibari	Dimla Upazila	0.002	AAS	5.8	AAS

Note: 01. Sample has been tested as per supplied by client. 02. LAB ID: 567.

<p><u>Test Performed by:</u></p> <p>1.) Name: Md. Humayun Kabir Designation: Sample Analyzer</p> <p>2.) Name: Designation:</p>	<p style="text-align: center;"><u>Signature</u></p> <p style="text-align: center;"><i>(Md. Humayun Kabir)</i> 11/05/22 Sample Analyzer DPHE, Zonal Laboratory, Rangpur.</p>	<p><u>Countersigned/Approved by:</u></p> <p>1.) Name: Md. Abdul Jabbar Designation: Senior Chemist</p> <p>2.) Name: Designation:</p>	<p style="text-align: center;"><u>Signature</u></p> <p style="text-align: center;"><i>(Md. Abdul Jabbar)</i> 11/05/22 Senior Chemist DPHE, Zonal Laboratory Rangpur.</p>
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Government of the People's Republic of Bangladesh
Office of the Senior Chemist
Department of Public Health Engineering
Rangpur Zonal Lab, Radha Ballob, Rangpur
Phone: 02588809131, Fax: , Email: wqmsc_rangpurzonalab@yahoo.com



Memo No: 46.03.8500.106.16.004.22.1083

Date: 27/06/2022

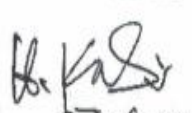
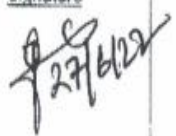
Physical /Chemical/ Bacteriological Analysis of Water Sample



Sample ID: RAN2022062232 To RAN2022062237 , Total: 6	District: Nilphamari
Sent by: Sheikh Rohomot Ali, Rohomot Construction, Saidpur, Nilphamari.	Sample Source: STW-Others
Ref. Memo No: Nill./Rohomot Construction & Dated: 25/06/2022	Date of Testing: 26/06/2022 , 26/06/2022
Collection date:	Receiving date: 26/06/2022

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L) LOQ:., BDS:0.05		Iron (mg/L) LOQ:., BDS:0.3-1	
					Conc.	Method	Conc.	Method
RAN2022062232	Hawa Begum	Kaliganja	Paschim Chhatnai	Dimla Upazila	0.001	AAS	3.8	AAS
RAN2022062233	Hachina	Kaliganja	Paschim Chhetnai	Dimla Upazila	0.001	AAS	0.84	AAS
RAN2022062234	Achia	Kaliganja	Paschim Chhatnai	Dimla Upazila	0.001	AAS	1.1	AAS
RAN2022062235	Kohinur	Dolpara	Khoga Kharibari	Dimla Upazila	0.001	AAS	1.4	AAS
RAN2022062236	Smrity Rani	Dolpara	Khoga Kharibari	Dimla Upazila	0.001	AAS	3.2	AAS
RAN2022062237	Rowshanara	Kaliganja	Paschim Chhatnai	Dimla Upazila	0.001	AAS	1.3	AAS

Note: 01. Sample has been tested as per supplied by client. 02. LAB ID: 854.

<p>Test Performed by:</p> <p>1.) Name: Md. Humayun Kabir Designation: Sample Analyzer</p> <p>2.) Name: Designation:</p>	<p>Signature</p>  <p>(Md. Humayun Kabir) Sample Analyzer DPHE, Zonal Laboratory, Rangpur.</p>	<p>Countersigned/Approved by:</p> <p>1.) Name: Md. Abdul Jabbar Designation: Senior Chemist</p> <p>2.) Name: Designation:</p>	<p>Signature</p>  <p>Md. Abdul Jabbar Senior Chemist DPHE, Zonal Laboratory Rangpur.</p>
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Memo No: 46.03.8500.106.16.004.22.806

Date: 22/05/2022



Physical /Chemical/ Bacteriological Analysis of Water Sample



Sample ID: RAN2022050675 To RAN2022050677 , Total: 3	District: Nilphamari
Sent by: Shekh Rohmot Ali, Rohmot Construction, Saidpur, Nilphamari.	Sample Source: STW-Others
Ref. Memo No: Nil/Rohmot Construction. & Dated: 18/05/2022	Date of Testing: 19/05/2022 , 19/05/2022
Collection date:	Receiving date: 19/05/2022

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L)		Iron (mg/L)	
					LOQ:, BDS:	LOQ:, BDS:0.3-1		
					Conc.	Method	Conc.	Method
RAN2022050675	Rashida	Dolpara	Khoga Kharibari	Dimla Upazila	—	—	1.3	AAS
RAN2022050676	Roshida	Dolpara	Khoga Kharibari	Dimla Upazila	—	—	1.7	AAS
RAN2022050677	Shahanaj	Dolpara	Khoga Kharibari	Dimla Upazila	—	—	1.1	AAS

Note: 01. Sample has been tested as per supplied by client. 02. LAB ID: 605.

<p><u>Test Performed by:</u></p> <p>1.) Name: Md. Humayun Kabir Designation: Sample Analyzer</p> <p>2.) Name: Designation:</p>	<p style="text-align: center;"><u>Signature</u></p> <p style="text-align: center;">  22/05/22 (Md. Humayun Kabir) Sample Analyzer DPHE, Zonal Laboratory, Rangpur. </p>	<p><u>Countersigned/Approved by:</u></p> <p>1.) Name: Md. Abdul Jabbar Designation: Senior Chemist</p> <p>2.) Name: Designation:</p>	<p style="text-align: center;"><u>Signature</u></p> <p style="text-align: center;">  Md. Abdul Jabbar Senior Chemist DPHE, Zonal Laboratory Rangpur. </p>
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	<p>Government of the People's Republic of Bangladesh Office of the Senior Chemist Department of Public Health Engineering Mymensingh Zonal Lab, Gojia Bari Math, Naomahal, Mymensingh Phone: 091-66489, Fax: , Email: wqmsc_mymensinghzonallab@yahoo.com</p>	
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Memo No: 1358

Date: 26/06/2022

Physical /Chemical/ Bacteriological Analysis of Water Sample



Sample ID: MYM2022062593 To MYM2022062601 , Total: 9	District: Jamalpur
Sent by: Kazi Nurul Haque, Project Co-Ordinator, ECCCP-Flood, Melandaha, Jamalpur	Sample Source: STW-Others
Ref. Memo No: SSS/ECCCP-Flood/63 & Dated: 23/06/2022	Date of Testing: 25/06/2022-26/06/2022
Collection date:	Receiving date:

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union / Paurashava	Upazila / City Corp.	Arsenic (mg/L)		Iron (mg/L)	
					Conc.	Method	Conc.	Method
MYM2022062593	Duli	Amriti		Melandaha	<LOQ	AAS	0.81	AAS
MYM2022062594	Kulsum	Chengargar		Melandaha	0.008	AAS	0.69	AAS
MYM2022062595	Mira	Amrity		Melandaha	0.006	AAS	0.48	AAS
MYM2022062596	Taslim	Chengargar		Melandaha	<LOQ	AAS	0.14	AAS
MYM2022062597	Jahanara	Hariabari		Melandaha	<LOQ	AAS	1.52	AAS
MYM2022062598	Dulena	Rouharkanda		Melandaha	0.001	AAS	4.91	AAS
MYM2022062599	Dulena	Dhantala		Melandaha	0.043	AAS	10.08	AAS
MYM2022062600	Saleha	Moujaata		Melandaha	0.001	AAS	1.57	AAS
MYM2022062601	Bonna	Sirajabad		Melandaha	<LOQ	AAS	0.42	AAS

Note: LOQ-Level On Quantization, BDS: Bangladesh Drinking Standard,

<p>Test Performed by:</p> <p>1.) Name: Mohammad Anisur Rahman Designation: Sample Analyzer</p> <p>2.) Name: Muhammad Aminul Islam Designation: Sample Collector</p>	<p>Countersigned/Approved by:</p> <p>1.) Name: Md. Anis Ur Rahman Khan Designation: Senior Chemist</p> <p>2.) Name: Designation:</p>
<p>Signature</p> <p><i>[Signature]</i> 26.06.2022 Mohammad Anisur Rahman Sample Analyzer, DPHE Zonal Laboratory, Mymensingh</p> <p>Signature</p> <p><i>[Signature]</i> 26.06.2022 Muhammad Aminul Islam Sample Collector, DPHE Zonal Laboratory, Mymensingh</p>	<p>Signature</p> <p><i>[Signature]</i> 26.06.2022 Md. Anis Ur Rahman Khan Senior Chemist Department of Public Health Engineering Zonal Laboratory, Mymensingh</p>

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Memo:46.03.1000.106.16.01.22.624

Date:18/05/2022

Physical/Chemical/Bacteriological Analysis of Water Sample



Sample ID: BOG2022050329 to BOG2022050338, Total: 10	District: Gaibandha
Sent by: Project Coordinator, ECCCP Flood Project (PKSF), TMSS, Saghata, Gaibandha.	Sample Source: STW-Others Pump
Ref. Memo No:ECCCP-TMSS Date: 12/05/2022	Date of Testing: 18/05/2022 & 19/05/2022
Collection date: Not Mentioned.	Receiving date: 12/05/2022

LABORATORY TEST-RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union/ Paurashava	Upazila/ City Corp.	Arsenic (mg/L)		Iron (mg/L)	
					LOQ:0.001, BDS:0.05	LOQ:0.1, BDS:0.3-1	Conc.	Method
BOG2022050329	Mst. Zorina Begum	Hasilkandi Modhyopara	Saghata	Saghata	0.002	AAS	0.5	AAS
BOG2022050330	Mst. Nazma Khatun	Hatbari	Saghata	Saghata	<LOQ	AAS	0.4	AAS
BOG2022050331	Mst. kohinur Begum	Hatbari	Saghata	Saghata	<LOQ	AAS	0.3	AAS
BOG2022050332	Mst. Sabina Khatun	Hatbari	Saghata	Saghata	<LOQ	AAS	0.4	AAS
BOG2022050333	Mst. Zorina Begum	Hatbari	Saghata	Saghata	<LOQ	AAS	0.6	AAS
BOG2022050334	Mst. Nasima Begum (1)	Hatbari	Saghata	Saghata	<LOQ	AAS	0.4	AAS
BOG2022050335	Mst. Dulali Begum	Hatbari	Saghata	Saghata	0.016	AAS	0.5	AAS
BOG2022050336	Mst. Kanchon Begum	Hatbari	Saghata	Saghata	<LOQ	AAS	0.3	AAS
BOG2022050337	Mst. Shohida Begum	Hatbari	Saghata	Saghata	0.023	AAS	1.2	AAS
BOG2022050338	Mst. Rubi	Gobindi	Saghata	Saghata	0.003	AAS	0.9	AAS

Note: Sample Supplied by Client. LOQ-Level On Quantization, BDS: Bangladesh Standard, AAS: Atomic Absorption Spectrophotometer
UVS: Ultra Violet Spectrophotometer. Lab SI: 13115-13124

<p><u>Test Performed by:</u></p> <p>1) Name: Md. Alauddin Al Faruque Designation: Junior Chemist</p> <p>2) Name: Md. Hafizur Rahman Designation: Sample Analyzer</p>	<p><u>Signature</u></p> <p><i>[Signature]</i> 18.05.2022 Md. Alauddin Al Faruque Junior Chemist DPHE, Zonal Laboratory, Bogra.</p> <p><i>[Signature]</i> 18/05/2022 Md. Hafizur Rahman Sample Analyzer DPHE, Zonal Laboratory, Bogra.</p>	<p><u>Countersigned/Approved by:</u></p> <p>1) Name: Md. Sohel Rana Designation: Senior Chemist</p> <p>2) Name: Designation:</p>	<p><u>Signature</u></p> <p><i>[Signature]</i> 18-5-2022 Md. Sohel Rana Senior Chemist DPHE, Zonal Laboratory, Bogra.</p>
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	<p>Government of the People's Republic of Bangladesh Office of the Senior Chemist Department of Public Health Engineering (DPHE) Bogura Zonal Lab, Seojgari, Jamtola, Bogura. Phone: 02588813390, Fax: , Email: wqmsc_bograzonallab@yahoo.com</p>	
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Memo:46.03.1000.106.16.01.22.09

Date:05/07/2022

Physical/Chemical/Bacteriological Analysis of Water Sample

Sample ID: BOG2022070004 to BOG2022070009, Total: 6	District: Gaibandha.
Sent by: Project Co-ordinator, ECCCP-Flood(PKSF), TMSS Bonarpara, Shaghata, Gaibandha.	Sample Source: STW-Others Pump
Ref. Memo No: TMSS/Nil & Dated: 03/07/2022	Date of Testing: 05/07/2022
Collection date: Not Mentioned	Receiving date: 03/07/2022

LABORATORY TEST RESULTS:

Sample ID	Caretaker Name	Village/ Ward	Union/ Paurashava	Upazila/ City Corp.	Arsenic (mg/L)		Iron (mg/L)	
					LOQ:0.001, BDS:0.05	LOQ:0.1, BDS:0.3-1	Conc.	Method
BOG2022070004	Mst. Alea Begam	Hasilkandi Moddhapara	Saghata	Saghata	0.015	AAS	3.1	AAS
BOG2022070005	Mst. Lahida Begam	Gobindi	Saghata	Saghata	0.005	AAS	0.7	AAS
BOG2022070006	Mst. Mini Begam	Gobindi	Saghata	Saghata	0.009	AAS	0.4	AAS
BOG2022070007	Mst. Yasmin Begam	Jamira	Saghata	Saghata	0.008	AAS	0.3	AAS
BOG2022070008	Mst. Sabina Begam	Kalurpara	Saghata	Saghata	0.005	AAS	0.5	AAS
BOG2022070009	Mst. Beauty Begam	Saghata Akonpara	Saghata	Saghata	0.003	AAS	1.1	AAS

Note: Sample Supplied by Client. LOQ-Level On Quantization, BDS: Bangladesh Standard, AAS: Atomic Absorption Spectrophotometer, UVS: Ultra Violet Spectrophotometer. Lab SI: 4-9

<p>Test Performed by:</p> <p>1.) Name: Md. Alauddin Al Faruque Designation: Junior Chemist</p> <p>2.) Name: Md. Hafizur Rahman Designation: Sample Analyzer</p>	<p>Signature</p> <p><i>[Signature]</i> 05.07.2022 Md. Alauddin Al Faruque Junior Chemist DPHE, Zonal Laboratory, Bogra.</p> <p><i>[Signature]</i> 05/07/2022 Md. Hafizur Rahman Sample Analyzer DPHE, Zonal Laboratory, Bogra.</p>	<p>Countersigned/Approved by:</p> <p>1.) Name: Md. Sohel Rana Designation: Senior Chemist</p> <p>2.) Name: Designation:</p>	<p>Signature</p> <p><i>[Signature]</i> 05/07/2022 Md. Sohel Rana Senior Chemist DPHE, Zonal Laboratory, Bogra.</p>
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