



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

Quarterly Environmental & Social Safeguards Monitoring Report

January 2022-March 2022







#### BASIC INFORMATION OF THE PROJECT

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





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#### **ECCCP-Flood**

#### **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 climateresilient 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 January 2022 to March 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 floodresilient 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, air pollution, dust pollution, lack of waste management practice, lack of awareness on 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.





# Quarterly Environmental and Social Safeguards Monitoring Report (January 2022 to March 2022)

#### 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 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.

#### C. Environment and Social Safeguard Standards (ESSSs)

There are ten established ESSSs 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 air and soil pollution were found in the Lalmonirhat district. Due to sanitary latrine installations, wastewater has been generated in the project areas but it was managed through constructing soak wells and safety tanks to protect ground and surface water from contamination. In 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.-12).

#### 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 of 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 Kurigram district reluctant in using mask 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 air pollution issues have been found in the Lalmonirhat district but that is not for the project-relevant activities. And there was no such soil degradation issue except in a few places in Lalmonirhat district due to plantation activities in the raised plinth that 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 of Gaibandha, Jamalpur, Kurigram, and Lalmonirhat districts. 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 Kurigram, 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 of Nilphamari, Kurigram and Lalmonirhat districts. Pheromone trap used in few areas of Jamalpur, Gaibandha and Lalmonirhat districts. Crop residues are being used as fertilizer except in a few places of Lalmonirhat and Nilphamari districts.

#### 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 Department of Public Health Engineering (DPHE). A minimum 30 feet distance has been maintained between tubewells and latrines except for a few areas of Kurigram and Nilphamari districts. 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 Jamalpur, Kurigram, Gaibandha, Nilphamari, and Lalmonirhat after getting results of water quality. In most of the areas, tubewell platform slops were



Figure 2: Tubewell use

found enough to drain the water except in a

few places of Lalmonirhat and Nilphamari districts. So, they are going to be reconstructed to drain the water smoothly. To ensure hygiene water tanks and soaps were found in Lalmonirhat, and in a few places of Jamalpur, Gaibandha, Kurigram and Nilphamari districts beside constructed latrines. And the latrine surroundings were found neat and clean except in a few places of Nilphamari district.

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/vermicomposting in Gaibandha, Jamalpur, and Lalmonirhat districts using organic wastes. In a few areas in 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 are 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



Figure 3: Homestead Gardening

participants except in a few areas of Jamalpur and Nilphamari districts.

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

There is no indigenous 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
Air Pollution in a few places in the project area	It has been found that the air pollution was not
	caused due to project activities rather than other
	activities like- transportation.
Dust Pollution	Considering weather conditions like wind flow,
	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	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.
Unavailability of quality/flood-tolerant rice	a) Ensured consultation with the local
and vegetable seeds in the project area	Department of Agricultural Extension (DAE)
	and Bangladesh Agricultural Development
	Corporation (BADC) regarding quality seed
	collection and seed-related problems solutions;
	b) Invited DAE for providing training to
	selected farmers;
	C) Project participants preserved seeds in their
	own initiatives.
Environmental pollution due to the use of	a) Encouraged the community to use organic
pesticides and chemical fertilizers	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	Constructed drain/s ensuring properly
logging	maintained natural slope.
Impact on surface water quality due to throwing	Trying to introduce proper solid waste
wastes here and there	management, and water quality management.
Community health and safety	a) Encouraged the community to dump the
	organic waste into a pit to produce organic
	fertilizer as well as proper solid waste
	management;





	c) Tested Arsenic and Iron concentration for the drinking water sources of the installed tubewells;
	d) Community keeps their toilet neat and clean by themselves;
	e) Ensured twin-pit soak well under the sanitary latrines;
	f) Ensured soap and water sources besides the latrine to maintain proper hygiene;
	g) Ensured hygiene-related sessions during the group meeting discussions;
	h) Ensured handle inside the latrine so that aged and pregnant women can smoothly use the latrine.
Viral and bacterial diseases may transmit	a) Ensured proper waste and urine
from the slatted houses of Goats/Sheep	
from the stated houses of cours, sheep	management;
	b) Ensured periodic vaccination;
	c) Ensured proper disposal of the dead goats/sheep (if any).
Land use pattern change	As there is no eviction or displacement issue, so
	no alternative plan till now.
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	a) The project participant selection procedure
households including marginalized people	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;
	uicie was no discrimination,





	b) Developed and promoted a Grievance	
	Redress Mechanism (GRM) to find out the	
	discrimination aspects.	
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 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	Action taken	Acceptance by the aggrieved person
	complain		(Yes/No.)
	(written/verbal)		
A female project participant in the		Project personnel of the IE and CCAG leaders	
Jamalpur district claimed that		communicated with her and shared project opportunities	
financial contribution for the	Verbal	and modalities of the financial contribution for the toilet.	Yes
installation of latrines is unethical and		IE staff tried to clarify the role and responsibilities of	
demanded all costs should be provided		beneficiaries and the project.	
by the project.			
In the Jamalpur district, Local		IE staff has improved communication and rapport	
representatives (Chairman and		building with Chairman, members, and civil society	
Members) of Union Perished (UPs)	Verbal	through addressing details of project goals objectives,	Yes
tried to impose or control project		and implementation procedure.	
financial-related interventions.			





In the Jamalpur district, a female		For durability of the slatted house for goats, the IE staff	
project participant strongly disagreed		explained and discussed project support and	
with the additional contribution	Verbal	opportunities with her. CCAG Leaders also played a	Yes
amount for the slatted house for goats.		vital role to make the issue understandable to the	
		beneficiary.	
In the Jamalpur district, a female		IE staff and respective CCAG leaders discussed the	
project participant complained that	Verbal	project implementation guidelines with the aggrieved	Yes
why not she got all the IGA support		participant to convince her and to handle the issue	
from the project.		smoothly.	
Some project participants in the		IE staff convinced them that project participants were	
Lalmonirhat district complained that	Verbal	supposed to manage soil by themselves. NGO will	Yes
NGOs should provide all the expenses		provide only labor costs for raising the plinth.	
of plinth raising, specially the cost of			
soil.			
In the Lalmonirhat district, some		IE staff Communicated with the Department of	
unfilled grain was found in panicle in	Verbal	Agricultural Extension (DAE) and DAE explained that	Yes
the wheat field (BARI Gom-30).		it was the consequence of high temperature and late	
		cultivation of wheat.	
In Kurigram and Nilphamari districts,		IE staff convinced them that according to the project	
a few project participants complained	Verbal	design and implementation guidelines there is no	Yes
		instruction to provide latrines to single or two families.	
			·





about why a single-family was not			
being given a latrine.			
In the Kurigram district, a few project		IE staff convinced them that according to the project	
participants complained about why	Verbal	design and implementation guidelines there is no scope	Yes
single and two houses are not being		to raise plinth for a single or two families.	
raised.			
In the Lalmonirhat district, some		IE staff Communicated with DAE and visited the wheat	
community people complained that	Verbal	field and found the BLB disease. DAE recommended	
Wheat disease was found in the fields.		using Potash fertilizer.	Yes
In the Jamalpur district, the IE faced		IE staff discussed with the local chairman, members,	
challenges and obstacles to work in		elite persons, and aggrieved persons to address the	No (project intervention area
Goalardoba village due to rural		grievance. It could not be managed. So, the IE change	relocated)
politics. Such as- those who have their	Verbal	the village to avoid negative consequences.	
own land are reluctant to give soil from			
their land to others; someone demands			
compensation of about five thousand			
for house repairs if their homestead			
raised; those who have already raised			
homestead they discourage others (if			
their homestead goes down); someone			
indicates if the soil is removed from			
		1	1





the char the bank may be broken and			
the village may disappear.			
In the Jamalpur district, a project		IE staff convinced him that the project will be extended	
participant complained that why they	Verbal	heat-tolerant wheat cultivation for better yield under	Yes
do not get maize seed instead of wheat		stress conditions but in the future, we can take the	
seed.		decision on maize. However, maize cultivation needs	
		more irrigation.	
In the Jamalpur district, a female		IE's technical officer suspected that there is a leak	
project participant complained that	Verbal	somewhere in the tubewell. The technical officer called	Yes
water is not uplifting through the	verbar	the technician to resolve the complaint.	165
tubewell.			
In the Nilphamari district, a project		As per project design/guideline project participants is	
participant complained that the	Verbal	supposed to share a portion of the financial contribution	Yes
financial contribution of latrines is not	verbar	for a latrine. The IE staff discussed this modality with	165
adequate.		the project participant and convinced him.	
In the Gaibandha district, some local		IE staff convinced them that the project had some	
leaders/Elite persons (UP members)		implementation guidelines and they are bound to follow	
interfered with the work such as latrine	Verbal	those guidelines.	Yes
establishment. They demanded to	verbar		1 65
establish the latrine work without			
processing any documents or do not			





maintain tender procedures.			
Sometimes they make obstacles to			
carrying out the work and said the IE			
not to work in that union			
In the Lalmonirhat district, few project		IE staff convinced them and motivated them to	
participants were not willing to		reconstruct their house as per project implementation	
reconstruct their house maintaining a 3	Verbal	guidelines. Moreover, IE staff made them understand	Yes
ft. distance from the slope after the		that it is important for the sustainability of the raised	
plinth raise		plinth.	





#### E. 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 the ESS compliance. But they have 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 discussions (e.g., FGD) the programme 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

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?			
Will the activities involve trans-boundary impacts			
including those that would require further due diligence			
and notification to downstream riparian states?			
Will the activities adversely affect working conditions			
and health and safety of workers or potentially employ			
vulnerable categories of workers including women,			
child labour?			
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?			
Will the activities involve the construction,			
maintenance, and rehabilitation of critical infrastructure			
(like dams, water impoundments, coastal and river bank			





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?		
Will the activities be located in protected areas and areas of ecological significance including critical habitats, key biodiversity areas and internationally recognized conservation sites?		
Will the activities affect indigenous peoples that would require further due diligence, free, prior and informed consent (FPIC) and documentation of development plans?		
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?		

# **Section 2: Specific Environmental Impacts**

SL	General intervention issues	Yes	No	N/A	Comments
No.					
	1. Issues related to Environme	ent & Po	ollution	1	
1.1	Is there any visible Water Pollution?				
1.2	Is there any visible Air Pollution?				
1.3	Is there any issue related to Soil Degradation				
	and Soil pollution?				
1.4	Is there any issue that causes Noise Pollution?				
1.5	Are there any interventions that cause Liquid				
	Waste or Waste-water?				
1.6	Are there any interventions that cause				
	Hazardous Waste?				





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





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





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





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

### **Section 3: Social Grievance Issues**

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





#### **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



Government of the People's Republic of Bangladesh
Office of the Senior Chemist
Department of Public Health Engineering (DPHE)
Bogra Zonal Lab, Šeojgari, Jamtola, Bogura.
Phone: 051-78295, Fax: , Email: wqmsc\_bograzonallab@yahoo.com



Memo:46.03.1000.106.16.01.22.436

Date:01/03/2022

#### Physical/Chemical/Bacteriological Analysis of Water Sample

Sample ID: BOG2022030162 to BOG2022030187 Total : 26	District: Kurigram
Sent by: Executive Director, NDP	Sample Source: STW-Others Pump
Ref. Memo No:NDP/Admin/Office Order-2022/965(2),Date:27/02/2022	Date of Testing: 27/02/2022 to 28/02/2022
Collection date: Not Mentioned	Receiving date: 27/02/2022

#### **LABORATORY TEST RESULTS:**

Sample ID	Caretaker Name		Union/	Union/ Upazila/ City Paurashava Corp.		c (mg/L)	Iron (mg/L)	
			Paurashava			1, BDS:0.05	LOQ:0.1,	BDS:0.3-1
BOG2022030162	Mohila	Kheruar Char	Noyer hat	Chilmari	0.011	Method	0.1	Method
BOG2022030163	Ashma	Kheruar Char	Noyer hat	Chilmari	0.008	AAS	0.1	AAS
BOG2022030164	Rongbhanu	Kheruar Char	Noyer hat	Chilmari	0.012	AAS	0.2	AAS
BOG2022030165	Majida	Dakshin Khawria	Noyer hat	Chilmari	0.010	AAS	0.2	AAS
BOG2022030166	Mollika	Dakshin Khawria	Noyer hat	Chilmari	0.012	AAS	0.1	AAS
BOG2022030167	Rupbhanu	Dakshin Khawria	Noyer hat	Chilmari	0.010	AAS	0.1	AAS
BOG2022030168	Sahida	Dakshin Khawria	Noyer hat	Chilmari	0.008	AAS	0.2	AAS
BOG2022030169	Rohima	Dakshin Khawria	Noyer hat	Chilmari	0.013	AAS	0.1	AAS
BOG2022030170	Halima	Uttar Fechka	Noyer hat	Chilmari	0.009	AAS	0.2	AAS
BOG2022030171	Faziron	Uttar Fechka	Noyer hat	Chilmari	0.012	AAS	0.1	AAS
BOG2022030172	Sabina	Uttar Fechka	Noyer hat	Chilmari	0.010	AAS	0.2	AAS
BOG2022030173	Surja	Dush mara	Chilmari	Chilmari	0.009	AAS	0.1	AAS
BOG2022030174	Jahinur	Dush mara	Chilmari	Chilmari	0.010	AAS	0.2	AAS
BOG2022030175	Obiron	Dush mara	Chilmari	Chilmari	0.008	AAS	0.1	AAS
BOG2022030176	Layli	Dush mara	Chilmari	Chilmari	0.013	AAS	0.2	AAS
BOG2022030177	Joshna	Dush mara	Chilmari	Chilmari	0.010	AAS	0.1	AAS
BOG2022030178	Sabia	Dush mara	Chilmari	Chilmari	0.012	AAS	0.1	AAS
BOG2022030179	Khuki	Lenggu Bepari para	Romna	Chilmari	0.014	AAS	0.2	AAS
BOG2022030180	Moriam	Lenggu Bepari para	Romna	Chilmari	0.013	AAS	0.1	AAS
BOG2022030181	Sajeda	Dakshin Char Sajai	Kodal Kati	Rajibpur	0.012	AAS	0.1	AAS
BOG2022030182	Esmetara	Dakshin Char Sajai	Kodal Kati	Rajibpur	0.011	AAS	0.1	AAS
BOG2022030183	Khusimon	Dakshin Char Sajai	Kodal Kati	Rajibpur	0.015	AAS	0.2	AAS
BOG2022030184	Sukhiton	South Char Saiai	Kodal Kati	Rajibpur	0.016	AAS	0.2	AAS



Designation:

## **Quarterly ESS Monitoring Report (January-March 2022) ECCCP-Flood**



Signature

Sample ID	Caretaker Name Village/ Wa	Village/ Ward	Union/ Paurashava	Upazila/ City Corp.	Arsenic (mg/L) LOQ:0.001, BDS:0.05		Iron (mg/L) LOQ:0.1, BDS:0.3-1	
					Conc.	Method	Conc.	Method
BOG2022030185	Gol Bahaton	South Char Sajai	Kodal Kati	Rajibpur	0.012	AAS	0.1	AAS
BOG2022030186	Rebeka	South Char Sajai	Kodal Kati	Rajibpur	0.011	AAS	0.1	AAS
BOG2022030187	Sonabhan	Char Sajai Mondal Para	Kodal Kati	Rajibpur	0.010	AAS	0.1	AAS

Note: Sample Supplied by Client. LOQ-Level On Quantization, BDS: Bangladesh Standard, AAS: Atomic Absorption Spectrophotometer, UVS: Ultra Violet Spectrophotometer. Lab SI: 8857-8882

Tes	st Performed by:	Signature		Countersigned/Approved by
1.)	Name: Md. Hafizur Rahman Designation: Sample Analyzer	No. 2	1.)	Name: Md. Sohel Rana Designation: Senior Chemist
2.)	Name:	Md. Hafizur Rahman Sample Analyzer DPHE, Zonal Laboratory, Bogra.	2.)	Name:

Countersigned/Approved by: Name: Md. Sohel Rana

Md. Sohel Raha Name: Senior Chemist Designation: DPHE, Zonal Laboratory, Bogra.







# Government of the People's Republic of Bangladesh Office of the Senior Chemist Department of Public Health Engineering (DPHE) Bogra Zonal Lab, Seojgari, Jamtola, Bogura.

Phone: 051-78295, Fax: , Email: wqmsc\_bograzonallab@yahoo.com



Memo:46.03.1000.106.16.01.21.365

Date:25/01/2022

## Physical/Chemical/Bacteriological Analysis of Water Sample

Sample ID: BOG2022010897 to BOG2022010900, Total: 4	District: Gaibandha.
Sent by: Md. Shafiul Alam Mondal, ECCCP-Flood (PKSF), TMSS Shaghata, Gaibandha.	Sample Source: STW-Others Pump
Ref. Memo No: ECCCP-Flood (PKSF), TMSS Date: 20/01/2022	Date of Testing: 24/01/2022 & 25/01/2022
Collection date: Not Mentioned.	Receiving date: 20/01/2022

#### **LABORATORY TEST RESULTS:**

Sample ID	Caretaker Name	Village/ Ward	Union/ Paurashava	Upazila/ City Corp.	Arsenic (mg/L) LOQ:0.001, BDS:0.05		Iron (mg/L) LOQ:0.1, BDS:0.3-1	
					Conc.	Method	Conct.	Method
BOG2022010897	Mst. Sheuly Begum	Kalurpara	Saghata	Saghata	0.007	AAS	2.7	AAS
BOG2022010898	Mst. Hafeza Begum	Hatbari	Saghata	Saghata	0.014	AAS	1.9	AAS
BOG2022010899	Mst. Shahinur Begum	Hatbari	Saghata	Saghata	0.027	AAS	2.1	AAS
BOG2022010900	Mst. Maleka Begum	Hatbari	Saghata	Saghata	0.014	AAS	2.3	AAS

Note: Sample Supplied by Client. LOQ-Level On Quantization, BDS: Bangladesh Standard, AAS: Atomic Absorption Spectrophotometer, UVS: Ultra Violet Spectrophotometer. Lab SI: 8405-8408

Tes	t Performed by:	Signature		Countersigned/Approved by:	Signature
1.)	Name: Md. Alauddin Al Faruque	grow	1.)	Name: Md. Sohel Rana	, man,
	Designation: Junior Chemist	Md. Alauddin Al Faruque  Junior Chemist		Designation: Senior Chemist	1000
2.)	Name: Md. Hafizur Rahman	DPHE, Zonal Laboratory, Bogra-	2.)	Name:	Md. Sohel Rana
	Designation: Sample Analyzer	3		Designation:	Senior Chemist DPHE, Zonal Laboratory, Bogra.

Md. Hafizur Kanffidh Sample Analyzer DPHE, Zonal Laboratory, Bogra.