

Upazila Disaster Risk Reduction Action Plan (UzDRRAP)

Chilmari, Kurigram

June 2025

**Upazila Disaster Management Committee
(UzDMC), Chilmari, Kurigram**

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*UzDRRAP Formulated by the Department of Disaster Management (DDM) and
Technical Assistance from the JICA Expert Team (JET) of “The Project for Capacity Enhancement on
Formulation and Implementation of Local Disaster Risk Reduction Plan”.*

Preface

Bangladesh is one of the most disaster-prone countries in the world due to its geographical location. The frequency and intensity of disasters have increased in recent years due to climate change, as floods and storm surges are likely to become more severe with increases in intense tropical cyclones. Also, geographically, the country is located close to active seismic zones and is susceptible to medium to large earthquakes. These disasters cause not only direct physical damage to lives and assets, but also indirect and consequent losses to various sectors such as the agricultural sector, food security, water, health and sanitation, significantly impacting the economy and livelihood of the local communities. To tackle the situation, the government has achieved breakthroughs in disaster risk management by mentioning this as one of the top priorities, as described in the 8th Five-Year Plan (July 2020- June 2025), “a sustainable development pathway resilient to disaster and climate change” as a core theme.

In order to accelerate the disaster resilience of the country, it is vital to develop and implement local disaster risk reduction strategies and plans, as also indicated in the Sendai Framework for Disaster Risk Reduction 2025-2030. Expectedly, by adopting a local disaster risk reduction plan in every Upazila, it is possible to effectively reduce the damage and loss caused by disaster, and enhance continuous and sustainable development of the country’s economy, and therefore achieve Vision 2041 of the government.

In light of this, “The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan” has been implemented since December 2020, led by MoDMR and DDM, supported by the Japan International Cooperation Agency (JICA). In this Project, Upazila Disaster Risk Reduction Action Plans have been formulated in six pilot Upazilas of three districts, which are Cox’s Bazar (Cox’s Bazar Sadar and Chakria), Sunamganj (Chhatak and Jagannathpur), and Kurigram (Chilmari and Ulipur). These plans have been developed by unique approaches that are 1) Scientific analysis for local hazards; 2) Setting DRR targets based on risk quantification; 3) Involvement of project implementing agencies including BWDB, LGED, SoB, GSB, BMD, PWD, FSCD, and so on. These approaches have successfully established this effective plan and promote the execution of the projects to reduce disaster risk.

This plan is expected to save lives, livelihoods, and resources of the Upazila, as well as pave the way for enhancing future development through disaster risk reduction in the country.



Director General
Department Of
Disaster Management



Message

Bangladesh is the 7th most vulnerable country to climate change according to Global Climate Risk Index (CRI) ranks published by German watches. Accordingly, people in Bangladesh are often affected by number of natural disasters like cyclone, storm surges, floods, riverbank erosion, drought, salinity intrusion, cold wave and thunderstorm etc. The Government of Bangladesh (GoB) recognizes these risks as significant detriment to the growth prospects of the country and has taken several measures over the decades.

Bangladesh made its policies and strategies for disaster risk management following principles of the SFDRR (Sendai Framework for Disaster Risk Reduction) since the adoption of the framework in March 2015. Over time, the GoB has shifted its focus from conventional response and relief approach to a more proactive comprehensive risk reduction approach in order to make our common people more resilient. In light of SFDRR, the Ministry of Disaster Management and Relief (MoDMR) has taken a pilot project in a titled “The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan - LDRRP” with the financial and technical support of JICA. This project is being piloted six Upazilas in three different geographical locations of Cox’s Bazar (Cox’s Bazar Sadar & Chakaria), Sunamganj (Chhatak & Jagannathpur) and Kurigram (Chilmari & Ulipur) respectively.

I expressed my cordial thanks to JICA Expert Team (JET) including development partners “GPAD” (Geo Planning for Advanced Development) for their diligent efforts to prepare this Upazila Disaster Risk Reduction Action Plan (UzDRRAP) engaging members of UDMC, UzDMC and relevant govt. agencies. I hope that the said plans will play a vital role for reducing disaster risk in the pilot Upazilas and later be expanded across the country.

Razwanur Rahman
(Additional Secretary)



Project Director

LDRRP Project

and

Director

Planning & Development

Department Of Disaster Management

Message

Bangladesh is one of the most vulnerable countries to natural disasters due to its geographical location, and socio-economic condition. The geographical location, land characteristics, multiplicity of rivers and the monsoon climate render Bangladesh highly vulnerable to natural hazards. Bangladesh is a riverine country with numerous rivers, and the three major ones flowing over its 147570 square kilometers of surface area are the Ganges, the Brahmaputra, and the Meghna. Due to climate change, natural disasters are hitting Bangladesh on a massive scale every year, which is regularly holding back Bangladesh's progress. A disaster is a serious disruption of human lives including socio-economic strata and environmental degradation causes long term effects and impacts, which exceeds the ability of the affected community or society to cope using its own resources.

In this consequence in the light of Sendai Framework for Disaster Risk Reduction (SFDRR), the Ministry of Disaster Management and Relief (MoDMR) has taken a pilot project named “The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan - LDRRP” with the financial and technical support of JICA is being piloting in six Upazilas of three pilot districts namely Cox’s Bazar, Sunamganj & Kurigram considering local hazards in different geographical location. The Bangladesh Government has also emphasized on proactive Disaster Risk Management (DRM) instead of Post Disaster Response (PDR). Our belief is that formulation of Upazila Disaster Risk Reduction Action Plan (UzDRRAP) is a fundamental need for the Upazilas in order to reduce the rate of damage and loss through early response. This plan will take us on the path of prosperity by reducing the risk of disasters and will play a significant role in the development of the country.

I expressed my cordial thanks to the members of Union Disaster Management Committee (UDMC), Upazila/District Disaster Management Committee (Uz/DDMC), govt. agencies/departments and other stakeholders for their active participation in respect to invested time & ideas in the whole process during formulation of UzDRRAPs. I also expressed my heartiest thanks to JICA Expert Team (JET) and Sub-Consultant “Geo planning for Advanced Development (GPAD)” for their relentless efforts to prepare this UzDRRAP.

Md. Abdullah Al-Mamun
(Joint Secretary)



Deputy Commissioner
Kurigram District



Message

Kurigram is located in the northern region of Bangladesh along the border with India. The district is bordered by Jamalpur district of Mymensingh division to the south, Gaibandha, Rangpur and Lalmonirhat districts as well as West Bengal state of India to the West, and the Indian states of Assam and Meghalaya to the East. The area of this district is 2245.04 square kilometers where 278.28 kilometers of international border with India. It consists of 09 Upazilas (Ulipur, Chilmari, Roumari, Nageshwari, Bhurungamari and Phulbari, Kurigram Sadar, Nageshwari, Bhurungamari, Rajarhat, Ulipur, Chilmari, Phulbari, Roumari & Rajibpur and 03 Pourashavas (Municipality) & 73 Unions with 1872 villages. Kurigram District Town stands on the Bank of the Dharla River. There are some prominent rivers exists in this district, these are Brhammaputra, Tista, Dharala, Dhudkumar, Fulkumar, Jingiram, Sonavori, Holholia, Kalzani and Sankosh etc.

The district faces annual flooding due to water from upstream areas, as well as riverbank erosion both of which significant hazards. These natural disasters result in the loss of standing crops, valuable property, and even homes, posing a major threat to people's lives and livelihoods. As a result, the progress of development work is often slowed. In light of this, the formulation of Upazila Disaster Risk Reduction Plan (UzDRRP) has become a timely and essential action.

I am pleased to learn that the Upazila Disaster Risk Reduction Action Plan (UzDRRAP) is being implemented on a pilot basis in the Ulipur and Chilmari Upazilas of Kurigram district, through joint collaboration of JICA and the Bangladesh Government. It is expected that this action plan will play a crucial role in reducing the loss and damage caused by natural disasters, while accelerating development efforts in the future.


Nusrat Sultana



Upazila Nirbahi Officer
Chilmari, Kurigram District

Message

Chilmari Upazila is located in the northern part of Bangladesh and consists of six unions under Kurigram district located in the northern part of Bangladesh. The area is 224.97 sq. km, which is vulnerable to natural disasters, resulting in a very high poverty rate. This Upazila is affected by floods and riverbank erosion almost every year, causing extensive damage to standing crops, assets, infrastructures, and settlements, resulting in poverty as a daily companion. Due to these natural calamities, people's normal lives have also suffered a lot. Chilmari Upazila is a river-dwelling area where the road communication system is still not as developed as expected. There are many chars under this Upazila where people are deprived of fundamental/basic civic amenities, and even the communication system is very poor or to, some extent, absent. Henceforth, sustainable infrastructure development is not taking place here, which is a massive waste of the country's resources.

Moreover, every year due to floods and riverbank erosion, the earthen roads are broken and washed out, and even the Brick Flat Soling (BFS), Herring Bone Bond (HBB) and paved roads are also damaged, so sustainable development is far away from expectation. The inhabitants of this Upazila lose their lives and valuable assets, so financial prosperity never comes, resulting in socio-economic development being hampered. On the other hand, migration is one of the major problems of this area as there are no industries and earning sources for the employment generation of the mass people.

In this context, JICA comes forward with “The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan-LDRRP”, and is piloting this project in Chilmari Upazila, which is a timely step. It's my sincere thanks and gratitude to all those who were involved in the process of this Upazila Disaster Risk Reduction Action Plan (UzDRRAP) formulation. It is expected that this UzDRRAP will play a vital role in reducing the loss and damage caused by the natural disasters in the coming days, resulting in the restoration of lives and livelihoods of inhabitants.

Sabuj Kumar Basak

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Acronyms

ADP	Annual Development Program
BBS	Bangladesh Bureau of Statistics
BCC	Building Construction Committee
BMD	Bangladesh Meteorological Department
BNBC	Bangladesh National Building Code
BWDB	Bangladesh Water Development Board
CRA	Community Risk Assessment
DAE	Department of Agricultural Extension
DDM	Department of Disaster Management
DDMC	District Disaster Management Committee
DEM	Digital Elevation Model
DMC	Disaster Management Committee
DPHE	Department of Public Health Engineering
DPP	Development Project Proposal
DRMP	Disaster Risk Management Plan
DRR	Disaster risk reduction
DRRO	District Relief & Rehabilitation Officer
FPOCG	Focal Point Operational Coordination Group
FSCD	Fire Service and Civil Defence
GDP	Gross domestic product
GIS	Geographic Information System
GSB	Geological Survey of Bangladesh
GSD	Ground Sampling Distance
HED	Health Engineering Department
ID	Identity Document
JET	JICA Expert Team
JICA	Japan International Cooperation Agency
LDRRP	Local Disaster Risk Reduction Plan
LGED	Local Government Engineering Department
MoDMR	Ministry of Disaster Management and Relief
MoE	Ministry of Education
NGO	Non-governmental Organization
NPDM	National Plan for Disaster Management
PIO	Project Implementation Officer
PWD	Public Works Department

RRAP	Risk Reduction Action Plan
SFDRR	Sendai Framework for Disaster Risk Reduction
SOB	Survey of Bangladesh
SOD	Standing Orders on Disaster 2019
TSC	Technical Sub-Committee
UNO	Upazila Nirbahi Officer
UPs	Union Parishads
URC	Upazila Resource Center
UzCC	Upazila Construction Committee
UzDMC	Upazila Disaster Management Committee
UzDMP	Upazila Disaster Management Plan
UzDRRAPs	Upazila Disaster Risk Reduction Action Plans
UzSC	Upazila Disaster Risk Reduction Action Plans Sub-Committee
VDP	Village Defense Party

Chapter-1. Introduction

1.1 Purpose and aim of the Plan

The purpose of the Chilmari Upazila Disaster Risk Reduction Action Plan (UzDRRAP) is to identify necessary countermeasures against natural disasters and implement them in cooperation with relevant stakeholders to reduce disaster risks in the Upazila. This Plan contributes to increasing investment in disaster risk reduction by ensuring a mechanism for project implementation of the line ministries' countermeasures and by promoting further funding from agencies.

1.2 Rationale for the formulation of the Plan

This Plan corresponds to the Risk Reduction Action Plan (RRAP) that is required to be developed as a part of the Disaster Risk Management Plan (DRMP) by Disaster Management Committees (DMC) at District, Upazila, and Union DMCs, according to the Standing Orders on Disaster 2019 (SOD). In the SOD, it is recommended to prepare RRAP by local DMCs, as well as the Contingency Plan. While disaster response, which is covered by the Contingency Plan, has been relatively conducted as required in emergencies, risk reduction measures based on the objective hazard and risk assessment had not been sufficiently implemented at the Upazila level. In consideration of this situation and the importance of the DRR investment for the further development of the country, this plan, therefore, emphasises disaster risk reduction and proposes the necessary actions as a master plan corresponding to the RRAP of the Upazila Disaster Management Plan (UzDMP), which directly leads to the preparation of Development Project Proposals (DPPs) and Annual Development Programmes (ADPs).



Figure 1-1. Risk Reduction Action Plan in the SOD

The formulation of the UzDRRAP and the implementation of the countermeasure against disasters are in line with the government strategies, policies, and plans of the country, as listed below.

- The Bangladesh Delta Plan 2100 mentions the importance of strengthening the disaster risk management and combating the effects of climate change.
- 8th Five-Year Plan (July 2020-June 2025) emphasizes appropriate policy and institutional capacity building to address their concerns on climate-resilient development and disaster management at all levels of the government, especially at the local government level where most of the programmes are to be implemented.

- The National Plan for Disaster Management (NPDM 2021-2025) focuses on "Making disaster risk reduction a development practice to achieve resilient public investment and the SDGs" and "Building capacity and leadership to implement NPDM 2021-2025 at the national and local level".

In addition, from an international perspective, this plan directly contributes to the Sendai Framework for Disaster Risk Reduction 2015-2030 (SFDRR), specifically the Target (e) "To substantially increase the number of countries with national and local disaster risk reduction strategy".

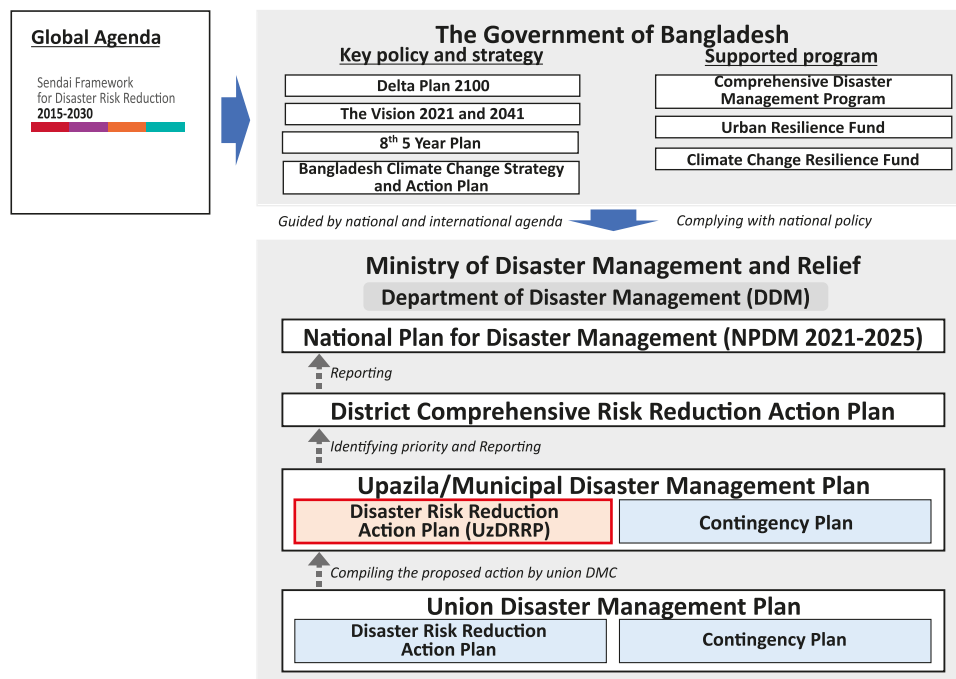


Figure 1-2. Relationship between national key policies and this plan

1.3 Relevance to other Upazila plans

Based on the Local Government (Upazila Parishad and Upazila Administration Reorganization) Act 1998 and the Local Government (Upazila Parishad) Act 2009, each Upazila shall prepare a development plan and land use plan. This plan and the proposed countermeasure against the disasters have been considered to ensure consistency with these plans in this Upazila.

1.4 Features of the Planning

The features of this Planning are 1) Scientific Analysis for Local Hazards, 2) Setting DRR Target based on Risk Quantification, and 3) Involvement of Project Implementing Agencies, which are expected to contribute to the actual execution of the effective countermeasures.

Feature 1: Scientific Analysis for Local Hazards:

The hazard maps were developed by simplified technical analysis, which processes are not adopted in the Community Risk Assessment (CRA), using observed disaster records of rainfall and tidal level, the Digital Elevation Model (DEM), and current hazard maps. The developed hazard maps represent the vulnerable areas of the Upazila and help promote to objective understanding of the hazard potential.

Feature 2: Setting DRR Targets based on Risk Quantification:

Risks in this Upazila were quantified based on risk quantification using hazard maps and various factors such as natural conditions and socio-economic factors, and visualized to share with relevant agencies. A DRR target was set in consideration of the result of identifying which areas are highly affected by potential hazards, by these risk quantifications, as well as the current policies of the line ministries (project implementing agencies).

Feature 3: Involvement of Project Implementing Agencies:

The Upazila Sub-Committee (UzSC), which is composed of the Upazila chairman, UNO, PIO, engineers from LGED, BWDB, and DPHE in the Upazila, Upazila officials, Union Parishad chairman, was established to identify disaster risks and consider priorities of countermeasures against the disasters at the Upazila level. Since the committee at the Upazila level does not have the authority to determine the countermeasures listed in the plan to be implemented, the members from the line ministries at the central level are involved in the planning processes to promote the schemes/projects listed in the UzDRRAP and secure budgets.

1.5 Methodology for the development of the Plan

1.5.1 Institutional Arrangement

For the development of this Plan, an UzSC, that is stipulated in the SOD, was established in this Upazila. The roles and responsibilities of this committee are to::

- 1) Prepare this UzDRRAP by identifying existing DPPs and pipeline projects related to DRR, Union Parishads' (UPs) priority, and some development projects that might affect people or increase disaster risk;
- 2) Summarize DRR projects by examining the needs of UPs and Risk Reduction Action Plans developed by UPs;
- 3) Identify possible DPPs to be able to collaborate among line ministries on structural and non-structural measures to maximize the efficiency and effectiveness of DRR.

In addition to this UzSC at the Upazila level, the Technical Sub Committee (TSC) was established to coordinate projects proposed by other Upazilas in addition to Chilmari Upazila at the central level. Implementation of the projects proposed in the UzDRRAP is determined by the line ministries at the central level. The roles and responsibilities of this TSC are to:

- 1) Summarize and monitor the progress of DRR-related projects based on the plans that UzSCs submitted;
- 2) Request the line ministries on the possibility of doing further investigation on DRR project needs based on the UzDRRAP;
- 3) Make efforts to integrate DRR ideas into DPP, ADP and 5YP in Upazila and line ministries, considering the disaster risk reduction target in the UzDRRAP;
- 4) Discuss among line ministries on development projects which might affect people or cause disasters;
- 5) Establish the guidelines and manuals to prepare UzDRRAPs
- 6) Take the initiative to start up UzSCs for the preparation of UzDRRAPs.

1.5.2 Planning Process and Methodology

This plan was established based on a combination of methods, namely JICA 8 steps and the CRA method which has been broadly utilized as a vulnerability assessment in the country, as shown in the figure below.

For developing each chapter of this plan, the following methodology was introduced.

Chapter 2: Geographic, Socio-economic, and Meteorological Conditions

This chapter illustrates the characteristics of the Upazila, that is the conditions to develop the Action plan for DRR. The statistics data including the Census 2022 and meteorological data were collected and analyzed.

Chapter 3: Hazard Characteristics and Disaster Risk

This chapter explains disaster records and experiences, target hazards, as well as hazard and disaster risks of the Upazila. While disaster records and experiences were mostly collected by the DRRO of the district and UzDMC members, hazard and disaster risks were identified through scientific analysis by utilizing data such as elevation data (DEM) probability rainfall data, land use data, and important public facilities. These hazard maps and risk assessment results were then confirmed in workshops where the UzDMC members participated.

Chapter 4: DRR Targets of the Upazila

This chapter describes Vision and Challenges by hazard. This Vision indicates the target that all the stakeholders intend to achieve in carrying out their projects defined in this Plan. Challenges by hazard show the short-to-mid-term and long-term countermeasures to be taken to achieve the Vision, which depends on the target areas, namely inland area, along river, and Char area.

Chapter 5: Action Plan of DRR Countermeasures

This chapter shows the current status of the general DRR countermeasures as well as the action plan in line with the DRR target. The current status of the countermeasures was identified and analyzed by consultation with UzDMC and UzSC members, while the Action Plan was developed in consideration of the risk assessment results, consultation by line ministries, and proposals given by the UzDMC members.

¹ The risk assessment was conducted in accordance with the developed guideline – Guideline on Hazard and Risk Assessment.



Figure 1-3. "8 Steps" for Upazila DRR Planning in case of this plan

Chapter-2. Geographic, Socio-economic, and Meteorological Conditions

2.1 Location and Geographic Conditions

2.1.1 Location of the Upazila

Chilmari Upazila is an Upazila of Kurigram District under the Rangpur Division of the northern part of Bangladesh. It is located near the Indo-Bangladesh frontier, which is intersected by the mighty Brahmaputra River. It is located 73.3 km south-east of the divisional headquarters city of Rangpur. The is flanked on the north by Ulipur Upazila, on the south by Char Rajibpur and Sundarganj Upazilas, on the east by Raumari and Char Rajibpur Upazilas, and on the west by Sundarban and Ulipur Upazilas (Figure 2-1). The total area of the Upazila is approximately 232.50 km² and is located between 25°26' and 25°40' north latitudes and 89°38' and 89°48' east longitudes.

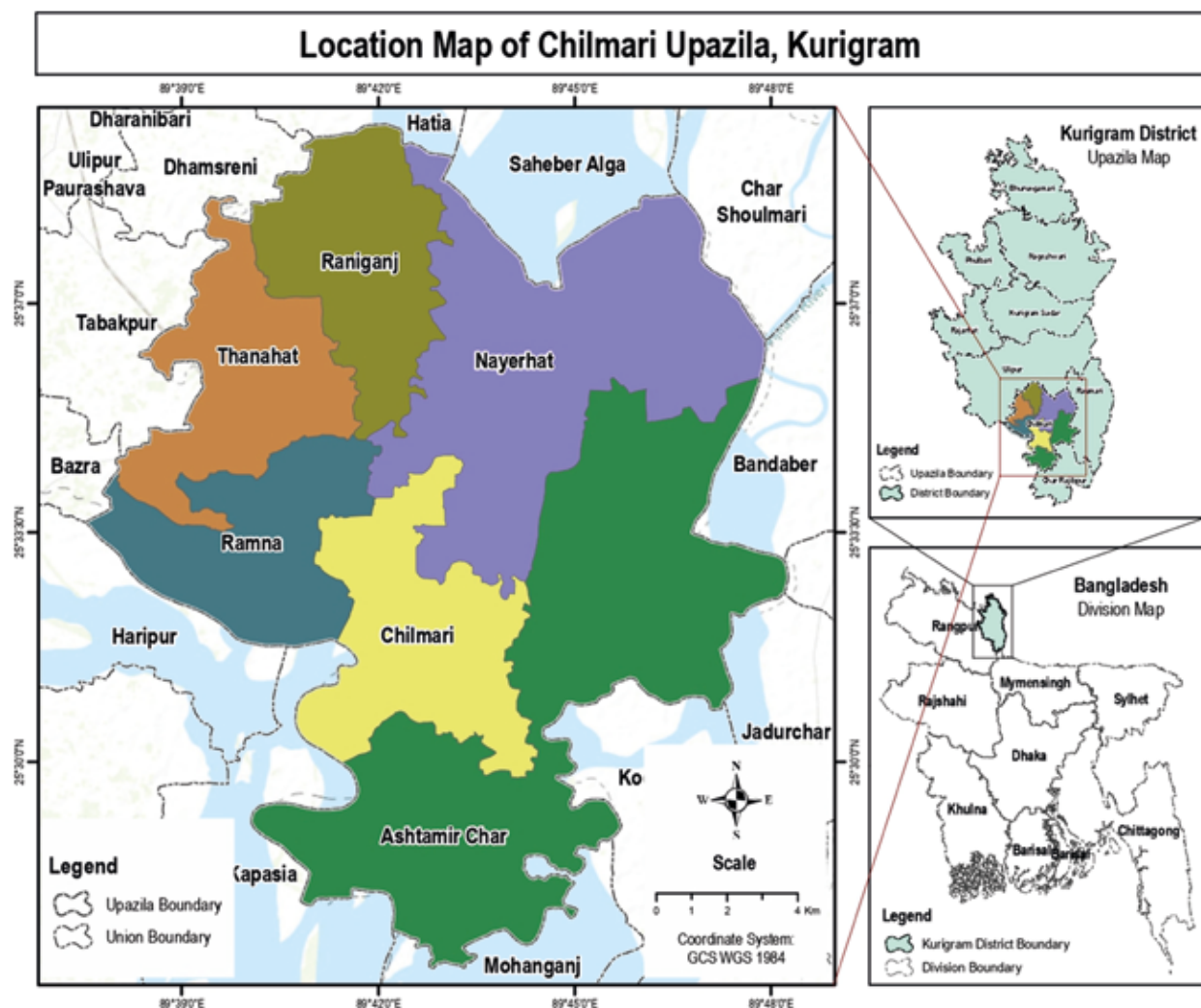


Figure 2-1. Location Map of Chilmari Upazila

2.1.2 Topography of the Upazila

The topography of Chilmari Upazila consists mostly of flatland and riverine itself with an average elevation of 28.78m above mean sea level (Figure 2-2). Therefore, it is often heavily flooded during the rainy seasons. The flat areas are used for agriculture, fishing in open water bodies between Testa River and Brahmaputra River and settlement.

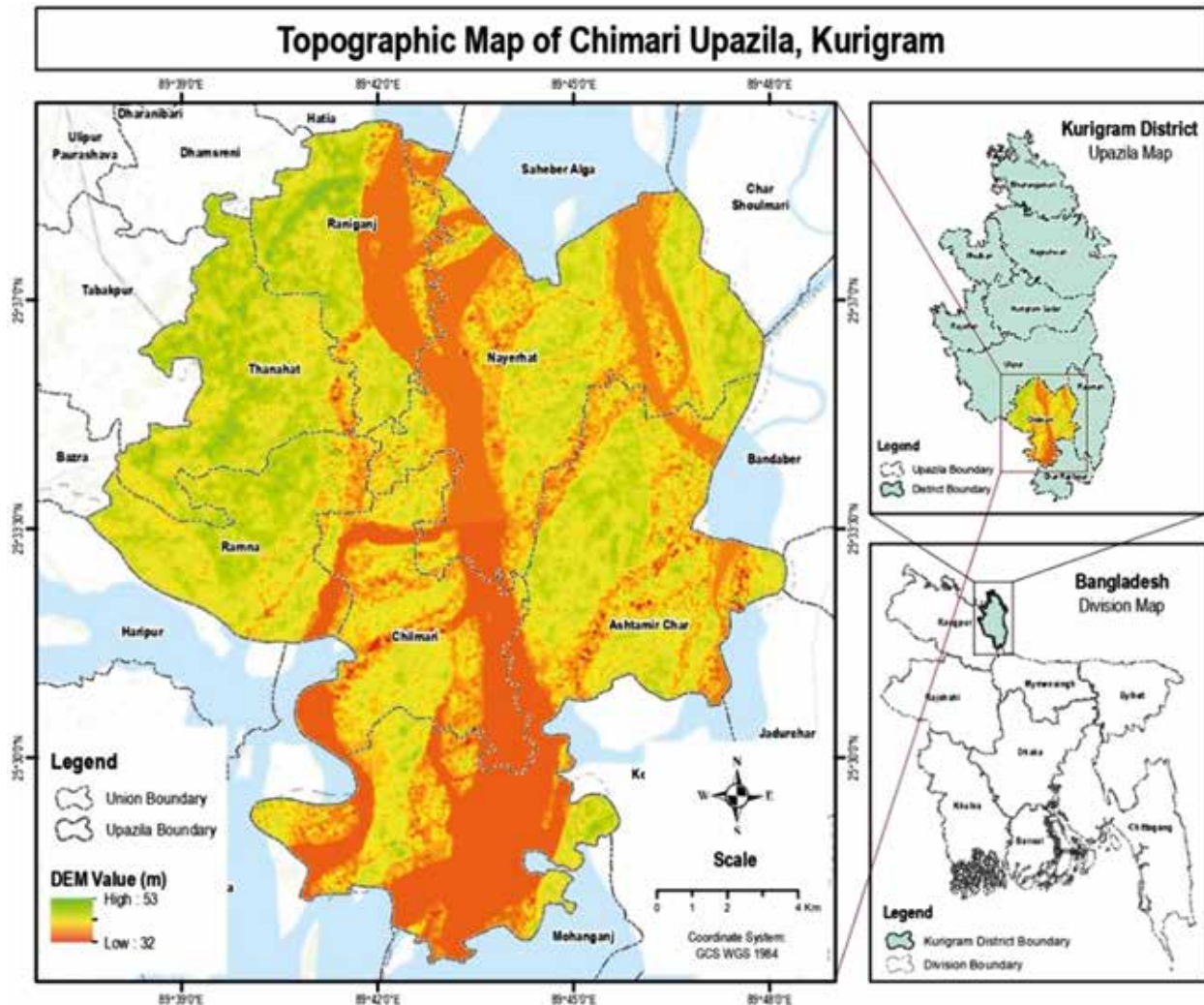


Figure 2-2. Topographic Map of Chilmari Upazila, Kurigram District

2.1.3 River System of the Upazila

Kurigram district is located in the alluvial plain of the Teesta-Brahmaputra basin. The region is prone to flooding during the monsoon season due to the rivers' overflow and the low elevation of the area.

The major rivers are the Brahmaputra River, Dharla River, and Teesta River, and the minor rivers include the Dudhkumar River, Phulkumar River, Gangadhar River, Jinjiram River, and others.

The Dharla River is a transboundary river flowing through India, Bhutan and Bangladesh. The river enters Bangladesh through Lalmonirhat District and flows through Chilmari Upazila, Kurigram District. The Dharla River is a tributary of the Brahmaputra River which is a swift river during the rainy season and a braided

stream in winter. The river is prone to flooding, especially during the rainy season. For example, in June 2024, the Dharla River rose due to heavy rains and river erosion was reported in Chilmari. The length of the river within Bangladesh is about 75 km. One has to cross it to go to Nageshwar, Fulbaria and Bhurungamari upazilas in northern Kurigram.

The Teesta River is a river in Bangladesh that flows through Kurigram District and joins the Brahmaputra River at Haripur Port in Kurigram District. The Teesta River has caused severe erosion and flooding in Kurigram, submerging hundreds of hectares of Aman paddy fields. The Teesta River's water level can rise due to continuous rainfall and also drop due to a decrease in rainfall and upstream water flow.

The Brahmaputra River originates from the Kailash ranges of the Himalayas and enters Bangladesh in the Bhabanipur area of the northeast of Kurigram district.

According to BWDB, in July 2024, the Brahmaputra River was flowing 59 cm above the threshold at Chilmari water gage point, and meanwhile, the water level of Dharla River water gage point rose by 20 cm above the danger level.

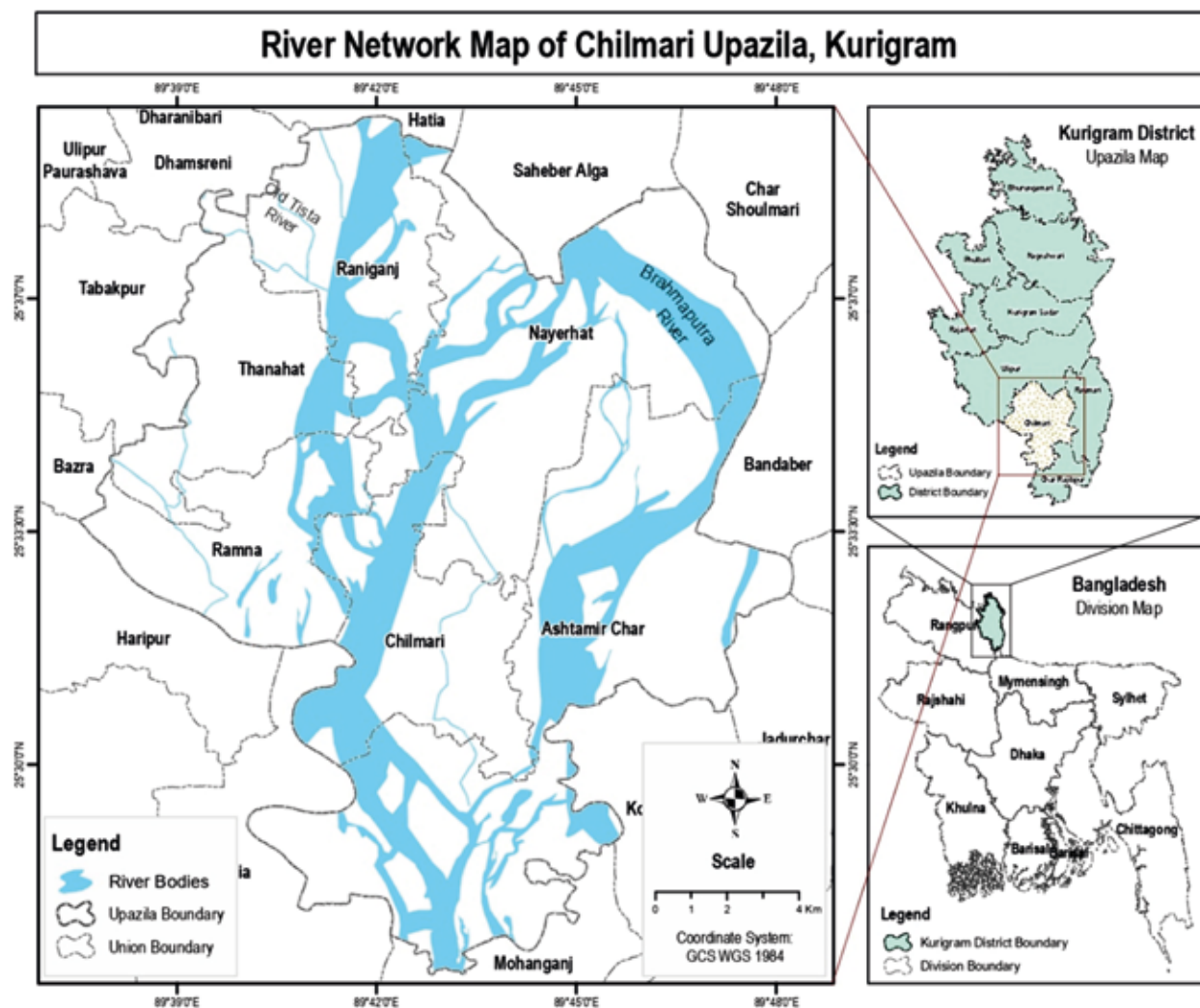


Figure 2-3. River network map of Chilmari Upazila

2.2 Socio-economic Conditions

2.2.1 Demography

Chilmari Upazila is divided into six unions: Ashtamir Char, Chilmari, Nayarhat, Ramna, Raniganj and Thanahat. According to the census 2022, the total population of the Upazila is 131,715. The demography of Chilmari Upazila is shown below.

Table 2-1. Demography of Chilmari Upazila

Union Name	Total Area (km ²)	Total Population	Number of Households
Ashtamir Char	75.10	16,880	4,524
Chilmari	26.76	8,063	2,317
Nayerhat	57.98	10,281	2,557
Ramna	20.95	31,625	8,086
Raniganj	25.80	22,718	6,021
Thanahat	25.92	42,148	11,080
Total	232.50	131,715	34,585

Source: Population and Housing Census 2022, District Report: Kurigram

2.2.2 Economy and Industry

The economy of Chilmari Upazila mainly depends on agriculture and agriculture-based farming. The main crops in this area are paddy, jute, wheat, mustard, vegetables, and fruits like mango, jackfruit, black berry, papaya, banana, guava. The manufactories of this area are welding factory, saw mill, rice mill, and the industries are goldsmith, potteries, blacksmith, jute industries, weaving, nakshi kantha, wood work, bamboo work, etc.

According to the district statistics (2011), agriculture contributes to the economy 67.85%, non-agricultural sectors 5.17%, industry 0.38%, commerce 9.38%, transport and communication 1.23%, service 6.81%, construction 1.01%, religious service 0.09%, rent and remittance 0.22% and others 7.86%.

The following table (Table 2-2) shows different sectors involved in the economy of Chilmari Upazila.

Table 2-2. Employed by sectors of Chilmari Upazila

Sector Name	Working Population	
	2011	2022
Agriculture	15,534	22,768
Industry	294	3,335
Service	2,625	10,592

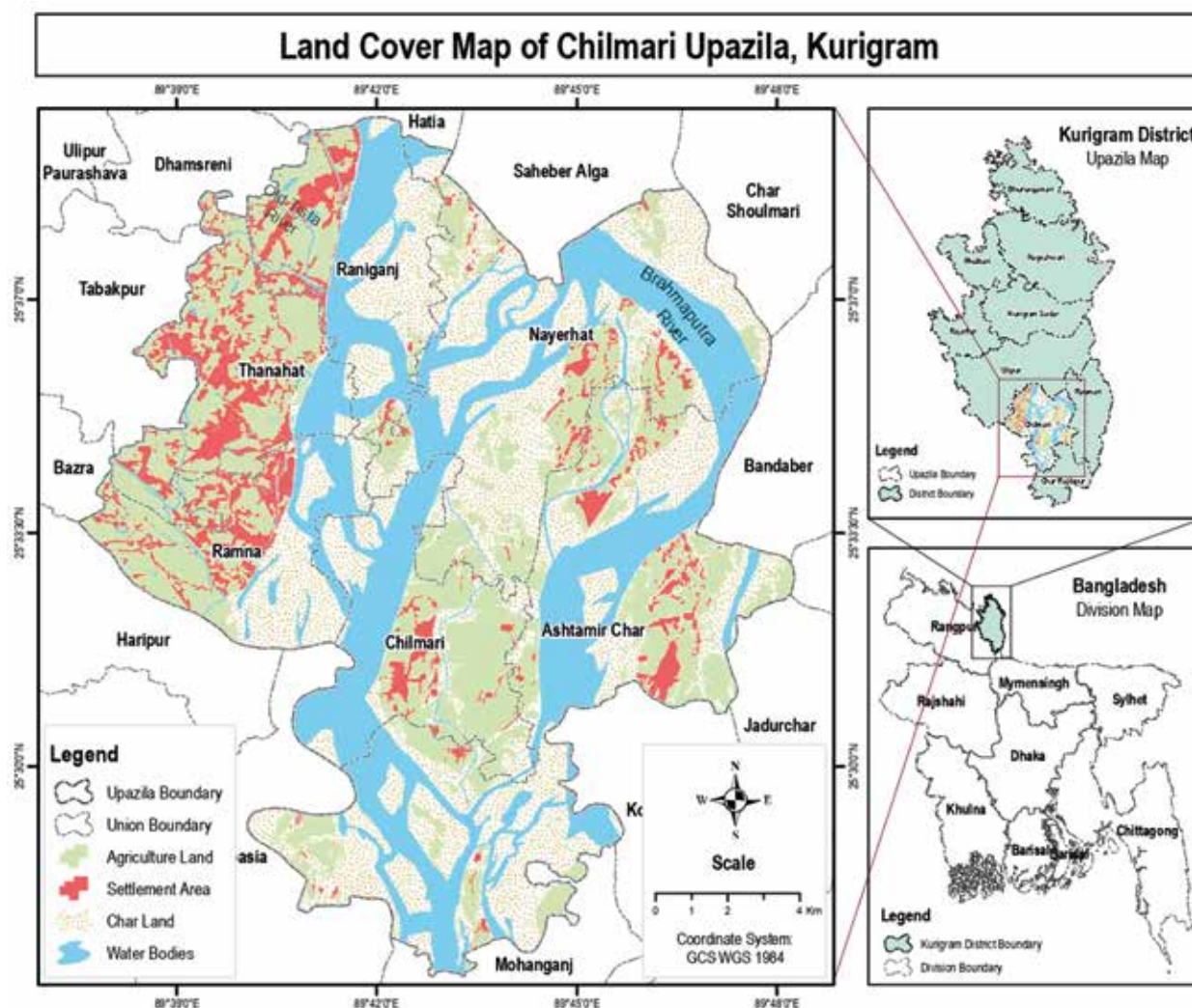


Figure 2-4. Land Cover Map of Chilmari Upazila

2.2.3 Urbanization

The urbanization rate in Kurigram District, expressed as the percentage of the population living in urban or urbanized areas, is relatively low compared to the national average of 31.51% (Population and Housing Census 2022). A comparison between 2011 and 2022 shows that the urbanization rate in Chilmari Upazila only decreased, while those increased in the upazilas of Bhurungamari, Kurigram Sadar, Nageshwari, Phulbari, Rajarhat, Rajibpur, Raumari and Ulipur. According to the 2022 census, only 28.95% of the population of Chilmari Upazila resides in urban areas. The annual population growth rate in Chilmari Upazilla from 2011 to 2022 is 0.72%, which is lower than the national average of 1.22% (Population and Housing Census 2022).

The annual population growth rates in the unions of Chilmari, Ramna, Raniganj and Thanahat have experienced annual population growth rates higher than the upazila average. This elevated growth is one of the indicators of ongoing urbanization trends in these unions (Table 2-3).

Table 2-3. Population growth rate of Chilmari Upazila

Union Name	Population		Annual Population Growth Rate (2011 - 2022)
	2011	2022	
Ashtamir Char	17,701	16,880	-0.46%
Chilmari	6,902	8,063	1.68%
Nayerhat	10,519	10,281	-0.23%
Ramna	28,729	31,625	1.01%
Raniganj	20,513	22,718	1.07%
Thanahat	38,477	42,148	0.95%
Total	122,841	131,715	0.72%

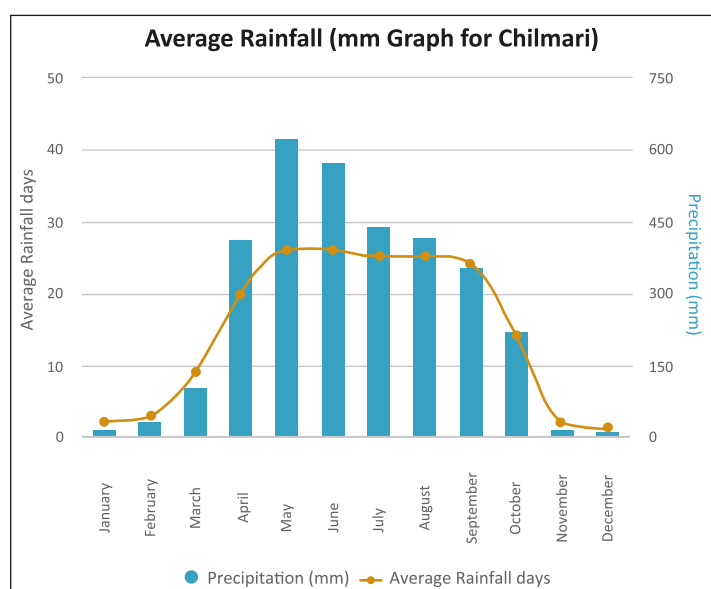
Source: Population and Housing Census 2011, Community Report: Kurigram, Population and Housing Census 2022, District Report: Kurigram

2.3 Meteorological Conditions

Chilmari Upazila has a humid subtropical climate, which is warmer in the summer and cooler in the winter than other parts of Bangladesh. The average annual rainfall of Chilmari Upazila is about 3,202.8 mm¹ for the period from January 2009 to December 2024 shown in Figure 2-5, which is higher than the average annual rainfall of Bangladesh (2,200 mm).

As shown in Figure 2-5, most rainfall in the Upazila is concentrated for the months from April to September, which is more than 350 mm, and this heavy rainfall causes flooding in this area. The average annual rainfall days is 177 days.

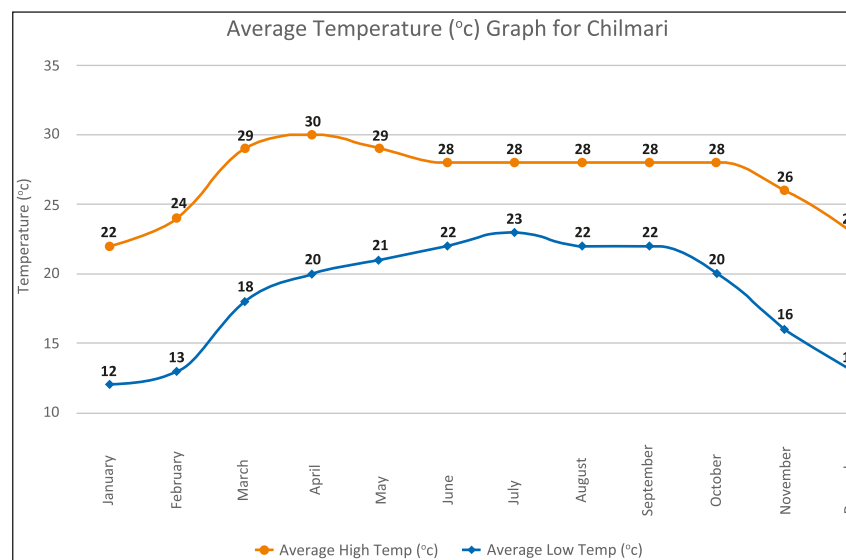
The Upazila has a little higher temperature in comparison with the national average. The average maximum temperature of 30.0°C reached in April, as indicated that the highest temperature is 37.0°C in April 2024. The average minimum temperature is 12.0°C in January (Figure 2-6).



source: <https://www.worldweatheronline.com/chilmari-weather-averages/bd.aspx>

Figure 2-5. Annual average rainfall (mm) and average rainfall days of Chilmari

¹ <https://www.worldweatheronline.com/chilmari-weather-averages/bd.aspx>



source: <https://www.worldweatheronline.com/chilmari-weather-averages/bd.aspx>

Figure 2-6. Average maximum and minimum Temperature (°C) for Chilmari

Chapter-3. Hazard Characteristics and Disaster Risk

3.1 Disaster Record of the Upazila

3.1.1 Disaster Record

Kurigram has a long history of natural disasters, predominantly characterized by floods, riverbank erosion, droughts, and cold waves. Table 3-1 shows some significant historical disasters that impacted the region.

Table 3-1. Recent Disaster Record in Chilmari Upazila

No.	Year	Damage
1. Flood		
(1)	1988	1988 Flood: One of the most devastating floods in the history of Bangladesh, which also affected Kurigram. The Brahmaputra and Teesta rivers overflowed, causing widespread destruction. Thousands of people were displaced, and crops were severely damaged. The water level at Chilmari point was 25.04 mPWD, whereas the danger level is 24 mPWD. The water above the danger level stayed for 15 days.
(2)	1998	1998 Flood: Often referred to as the "flood of the century" in Bangladesh, Kurigram was one of the worst-hit areas. Water remained stagnant for weeks, and approximately 60-70% of the region was submerged. It led to a large-scale humanitarian crisis, with food shortages, loss of property, and diseases. The water level at Chilmari point was 24.77 mPWD, whereas the danger level is 24 mPWD, and the water above the danger level stayed for 22 days.
(3)	2007	2007 Flood: Affected by heavy monsoon rains and water coming from upstream India, Kurigram faced significant damage. The flood submerged large areas of agricultural land, damaging crops and leaving thousands of people displaced.
(4)	2012	2012 Flood: The recorded water level on 30 June was 24.48 m at Chilmari station, which was 48 cm above the danger level for 8 days.
(5)	2014	2014 Flood: Water level: 24.49 mPWD (danger level of 24.0 mPWD) for 13 days
(6)	2015	2015 Flood: Water level: 24.44 mPWD (danger level 24.0 mPWD) for 10 days at Chilmari BWDB point
(7)	2016	2016 Flood: Water level: highest peak water level of 24.99 mPWD, which was 54 cm above its danger level (24.45 mPWD) for 23 days in monsoon
(8)	2017 ²	2017 Flood: A severe flood affected Kurigram, submerging large parts of the district. The disaster impacted hundreds of thousands of people, displacing families, destroying homes, and wiping out significant portions of crops and livestock. The district saw prolonged waterlogging, which exacerbated the crisis. The water level at Chilmari (Brahmaputra) reached a peak of 24.87 mPWD on 15 August (0.87 m above danger level DL 24.0 mPWD) for 14 days above danger level in the 2017 monsoon. At Noonkhawa (Brahmaputra) station, the water level attained the peak at 27.39 mPWD for 3 days, water flowing above the danger level (DL 27.25 mPWD) Affected population in the district: 165,955
(9)	2019	2019 Flood: Water level: highest peak of 25.02 m for 17 days

² FFWC, Annual flood report 2017. 2017, Flood Forecasting and Warning Centre, Bangladesh Water Development Board, Government of Bangladesh Dhaka, Bangladesh. p. 108. <http://www.ffwc.gov.bd/images/annual17.pdf>

No.	Year	Damage
(10)	2021 ³	2021 Flood: Water level at Chilmari (Brahmaputra) reached peak 24.21 mPWD on 2 September (0.51 m above danger level DL 23.7 mPWD, revised after 2017 flood) 10 days above danger level in 2021 monsoon. At Noonkhawa (Brahmaputra) station, the water level attained the peak at 26.5 mPWD as same as the danger level (DL 26.5 mPWD, revised after the 2017 flood)
(11)	2022	2022 Flood: Water level reached 32 cm at Chilmari (Brahmaputra) point and 74 cm at Hatia (Brahmaputra) point above the danger level on 21 June and the water above the danger level stayed for 7 days.
(12)	2024	2024 Flood: Water levels rising of the Brahmaputra, Dudhkumar, and Dharla rivers; 72 cm above its danger point at Chilmari; 71 cm above at Hatiya union Affected population: Over 70,000 people Damaged croplands: 2300 hectares
2. Riverbank erosion		
(1)	1970s – 1990s	1970s-1990s: Throughout these decades, Kurigram saw steady riverbank erosion, particularly along the Brahmaputra River. Many communities lost their homes and farmland, forcing frequent relocation and deepening poverty.
(2)	2016 - 2019	2016-2019 Erosion Events: Riverbank erosion became more severe, with thousands of people losing their homes annually. This ongoing issue has led to the displacement of entire villages, with some areas disappearing entirely into the river.
3. Drought		
(1)	2019 ⁴	Just after floods, many farmers were hit hard by drought in Kurigram after the water receded. Many farmers could not plant transplanted Aman rice due to the lack of saplings and water, due to flooding. Those who planted Aman tried to protect the field by irrigating which is quite costly as Aman is mainly rainfed crop when farmers are not prepared for irrigation.
(2)	2024 ⁵	Severe droughts, excessive rainfall and flooding had caused an extensive loss (1.05 billion BDT) to agriculture (jute, aman seedbeds, vegetables and aush paddy) in Kurigram in 2024. Due to the drought, only 17,256 hectares were cultivated in 2024, despite the Department of Agricultural Extension (DAE) targeting 17,950 hectares for jute cultivation. Kurigram was hit consecutively by drought during April and May, followed by excessive rainfall in June (1,100 mm recorded), while flooding began in early July. The DAE advised farmers in flood-affected areas to prepare for early Rabi crops if water takes time to recede.
4. Cold wave		
(1)	2021 ⁶	On 15 January 2021, Kurigram faced cold waves of 8.8°C hitting children and elderly people of low-income families and the farmers hard when most day-labourers were unable to go out for work. At least 800-900 people were taking treatment every day for cold-related illnesses at Kurigram General Hospital while thick fog was recorded near the riversides that would damage the crop creating blast and other diseases.

³ FFWC, Annual flood report 2021. 2021, Flood Forecasting and Warning Centre, Bangladesh Water Development Board, Government of Bangladesh Dhaka, Bangladesh. p. 115. <http://www.ffwc.gov.bd/images/annual21.pdf>

⁴ After flood, drought hits Kurigram farmers, United News of Bangladesh, 8 September 2019, <https://unb.com.bd/category/Special/after-flood-drought-hits-kurigram-farmers/27758>

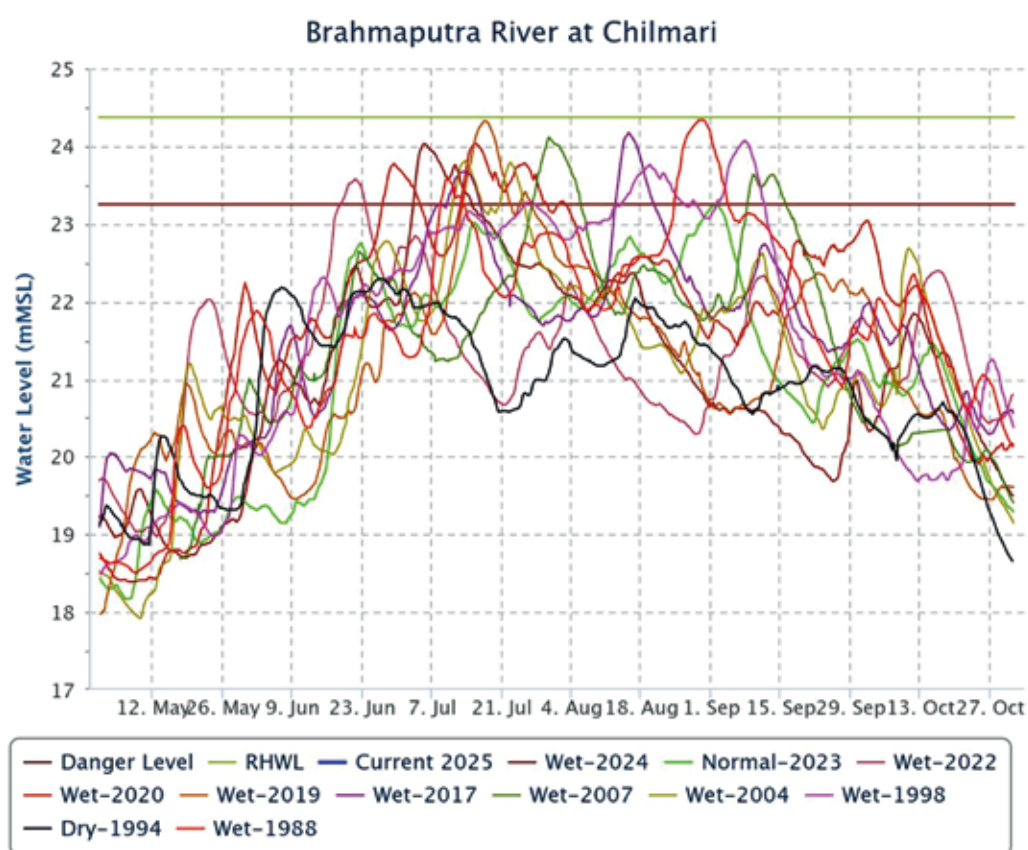
⁵ Natural disasters cause 105C loss in Kurigram's agri sector in 2024, Dhaka Tribune, 16 August 2024, <https://www.dhakatribune.com/bangladesh/354933/natural-disasters-cause-105c-loss-in-kurigram%E2%80%99s>

⁶ Kurigram shivers in cold wave, The Financial Express, 15 January 2021, <https://thefinancialexpress.com.bd/national/country/kurigram-shivers-in-cold-wave-1610710256>

No.	Year	Damage
(2)	2024 ⁷	On 25 January 2024 , Kurigram faced cold waves of 9.4°C when around 2,000 schools remained closed and thick fog had enveloped the entire region, while on 26 January morning the district recorded its lowest temperature at 6.8°C. The drop in temperature had led to discomfort in the Brahmaputra, Dharla, Teesta, Dudhkumar and 16 other riverside areas, affecting the lives of local citizens. Hospitals in the district had reported an increase in cases of diarrhea, pneumonia, respiratory distress, colds and coughs and other winter-related illnesses.

Reference:

The hydrograph of monsoon season at Chilmari station, Brahmaputra River has been shown in Figure 3-1 in which the highest water level was 24.37 mMSL recorded in 1988, whereas the danger level at this station is 23.25 mMSL.



source: <http://www.ffwc.gov.bd/index.php/hydrograph/monsoon>

Figure 3-1. The hydrograph of Brahmaputra River at Chilmari station

⁷ Cold wave grips Kurigram, mercury drops to 6.8°C, Dhaka Tribune, 26 January 2024

<https://www.dhakatribune.com/bangladesh/nation/337796/cold-wave-grips-kurigram-mercury-drops-to-6.8%C2%B0C>

3.1.2 Disaster Experience

In this section, the issues/challenges faced by each Union Parishad are shown in Figures 3-2 to 3-7. These disaster experiences were compiled based on the opinions of the Union Parishad representatives expressed at the first UzDRRAP formulation workshop held in April 2024, as well as interviews with UDMC members and local residents.

Issues/challenges in Ashtamir Char Union Parishad

The people of Ashtamir Char have experienced floods, water logging, river erosion, drought and lightning almost every year. Because of flooding in this area, crops have been destroyed, and houses, the transport system, the education system, and the medical services have collapsed. Due to waterlogging in the drains, garbage causes diseases with an air pollution. Furthermore, in this area, houses, agricultural land, and educational institutions have been destroyed as a result of river erosion.

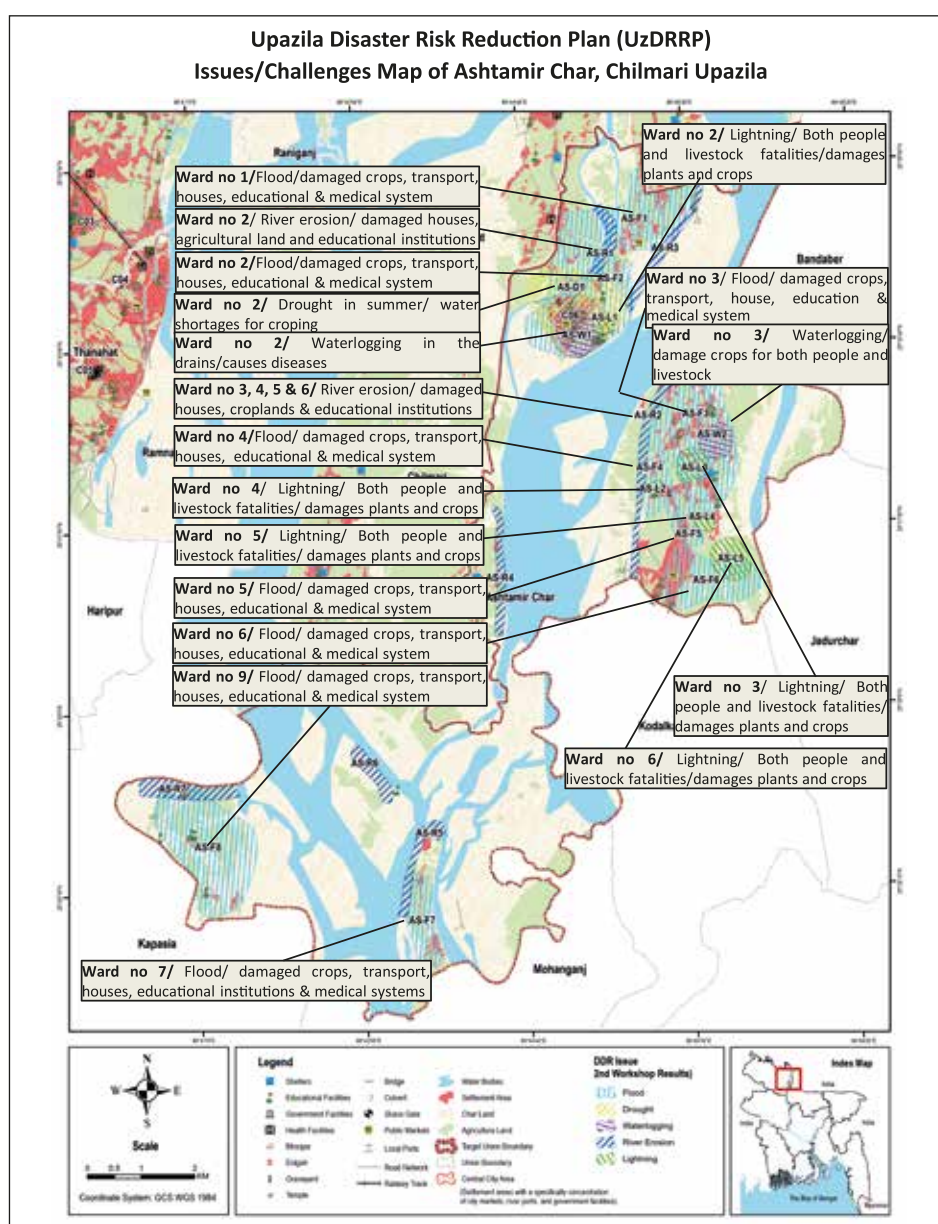


Figure 3-2. Issues/challenges in Ashtamir Char Union Parishad

Issues/challenges in Chilmari Union Parishad

The people of Chilmari have experienced the disaster of flooding, water logging, river erosion, drought and lightning almost every year. As Chilmari is a relatively low-lying area, crops, houses, and the transport system have been destroyed, and there are issues with safe drinking water and sanitation because of floods and waterlogging. In this area, river erosion causes the loss of many houses and croplands every year. In summer, farming becomes difficult due to a lack of water in Chilmari.

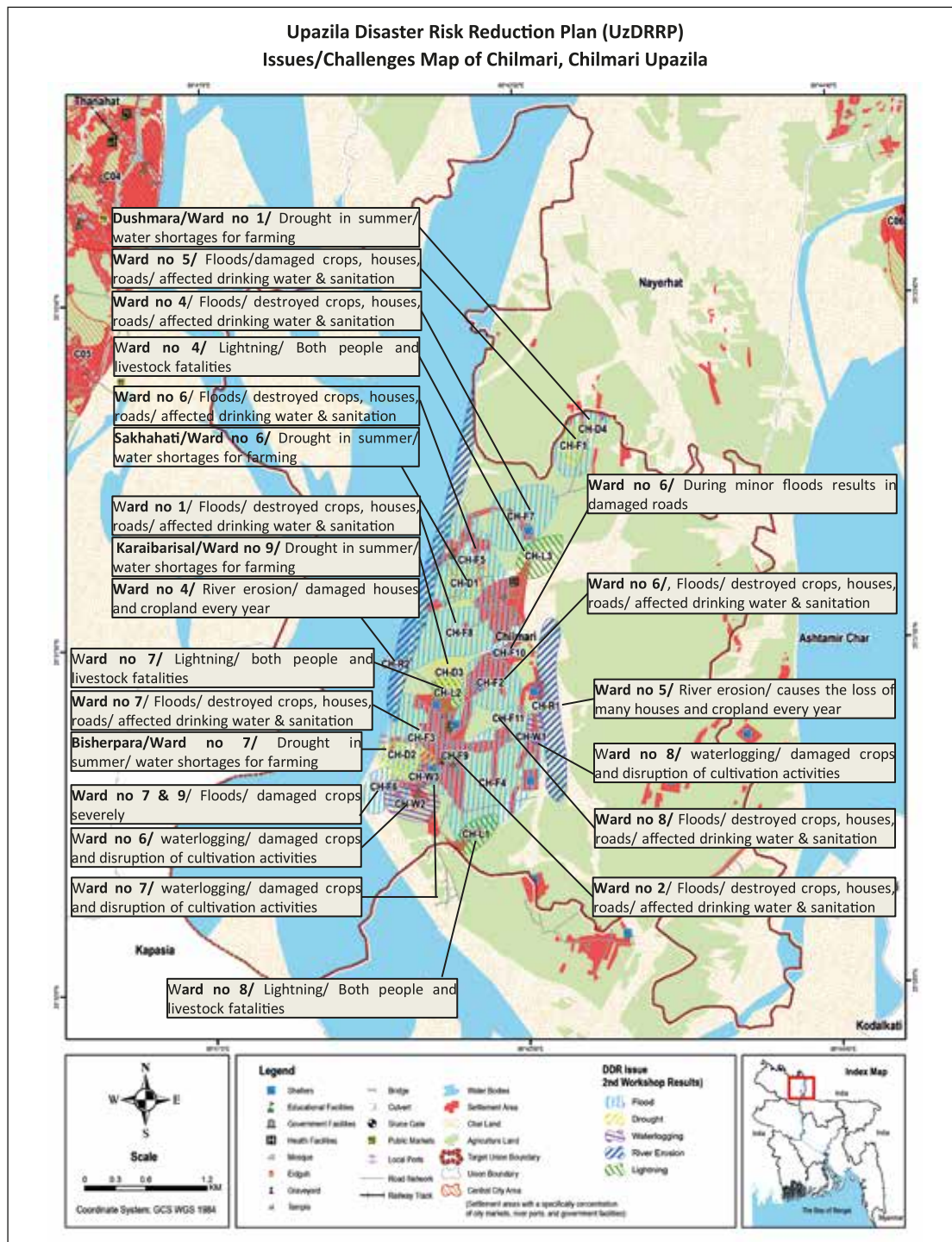


Figure 3-3. Issues/challenges in Chilmari Union Parishad

Issues/challenges in Nayerhat Union Parishad

The people of Nayerhat have experienced the disaster of flooding, river erosion, drought and lightning almost every year. During flooding, most houses and croplands are damaged; cattle die from various diseases and a shortage of adequate food. In this area, houses, agricultural lands, and educational institutions have been destroyed as a result of river erosion. Most of the areas of this union have been affected by river erosion. Due to the prolonged summer, this area has also been affected by drought.

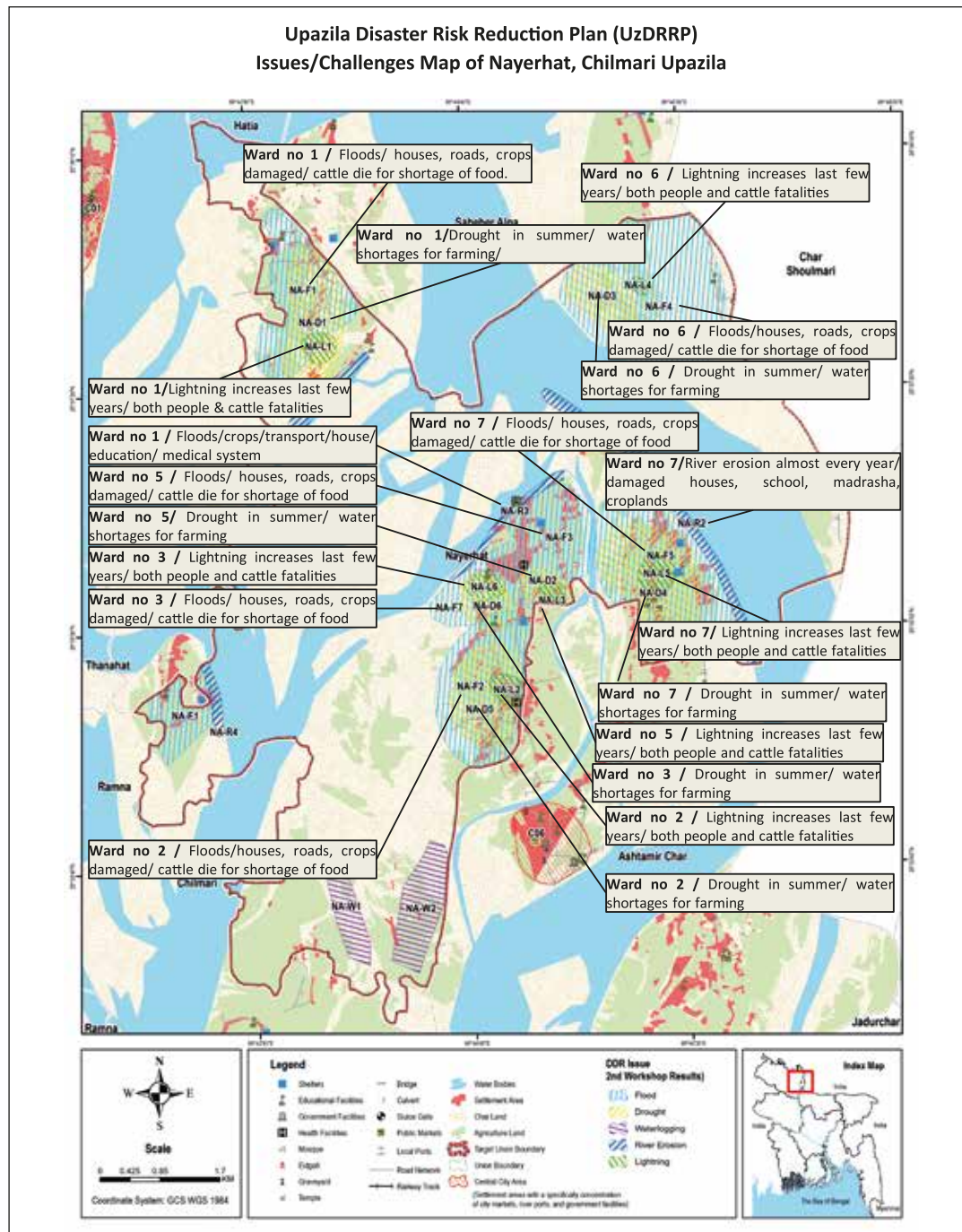


Figure 3-4. Issues/challenges in Nayerhat Union Parishad

Issues/challenges in Ramna Union Parishad

The people of Ramna Union Parishad have experienced the disaster of flood, waterlogging, river erosion, drought and lightning almost every year.

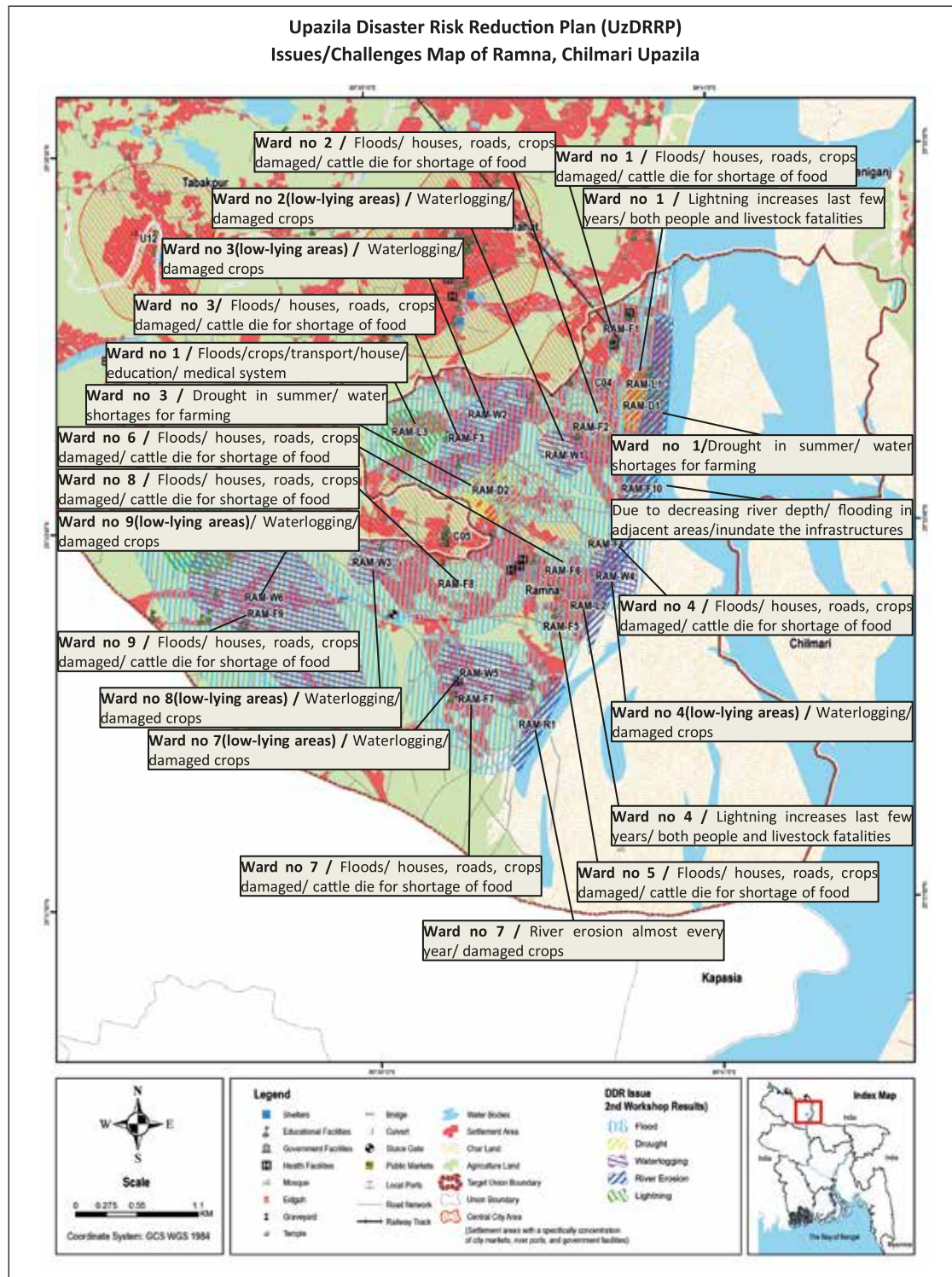


Figure 3-5. Issues/challenges in Ramna Union Parishad

Issues/challenges in Raniganj Union Parishad

The people of Raniganj have experienced the disaster of flood, waterlogging, river erosion and lightning almost every year.

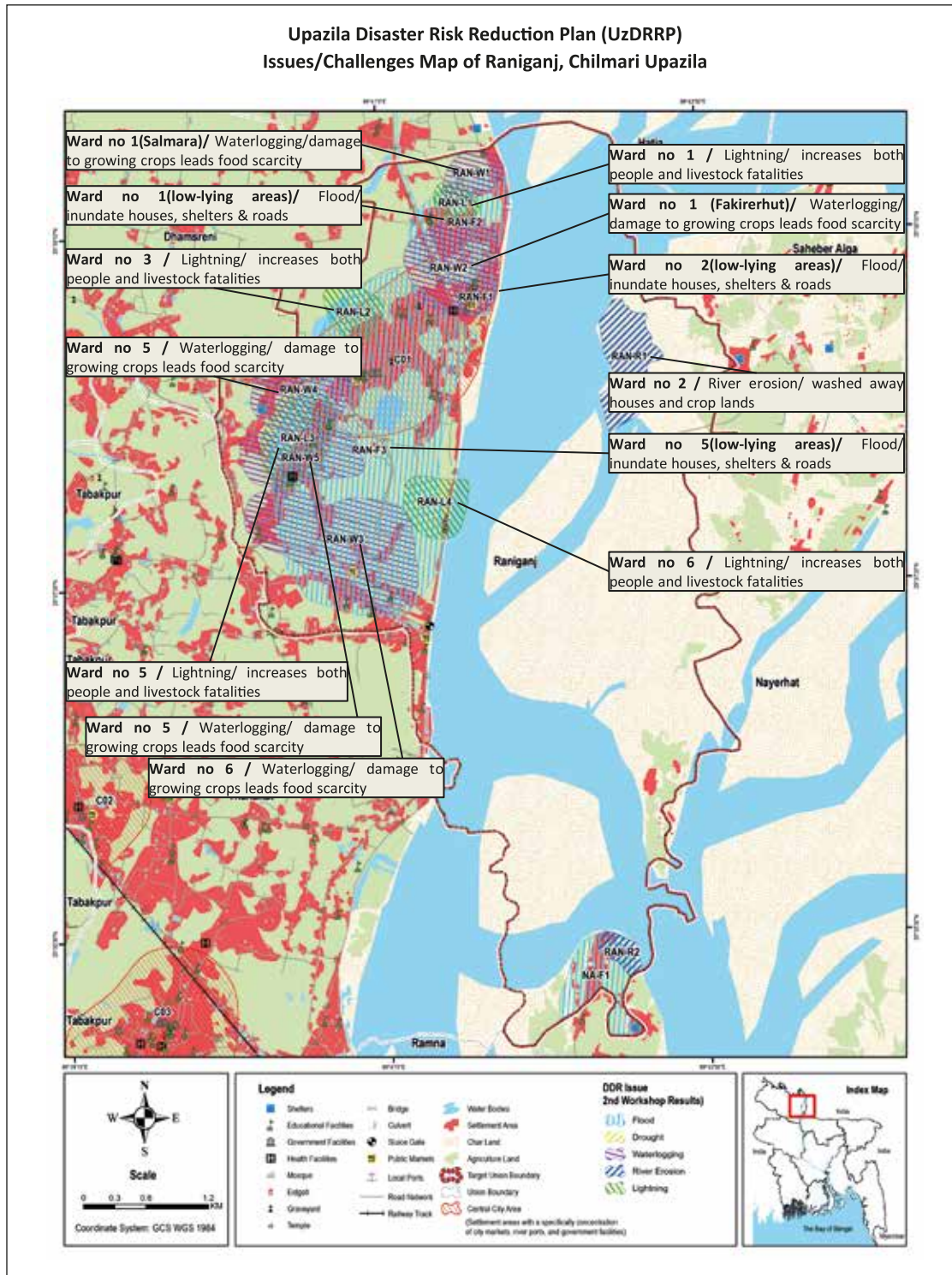


Figure 3-6. Issues/challenges in Raniganj Union Parishad

Issues/challenges in Thanahat Union Parishad

The people of Thanahat have experienced mainly waterlogging as some areas are relatively low-lying and a little rain causes waterlogging almost every year.

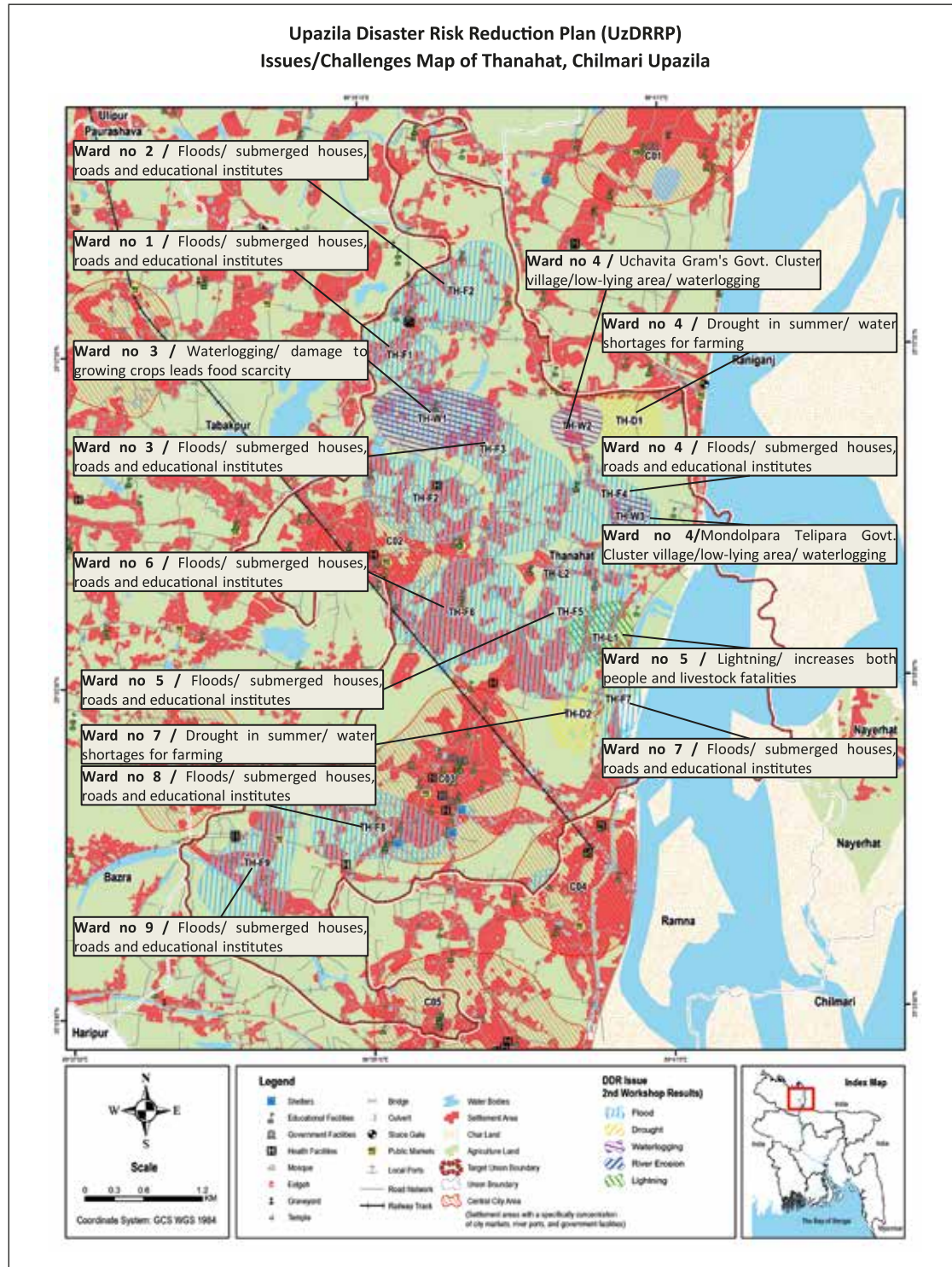


Figure 3-7. Issues/challenges in Thanahat Union Parishad

3.2 Target Hazards of this Plan

As described in the previous section as challenges/issues given by the Union parishad, this Plan targets all the possible disasters in the Upazila, including lightning and drought, whereas it objectively and scientifically analyzes the following disasters with high damage potentials and shows hazard maps to identify the hazard potential in the Upazila.

- Flood/Waterlogging
- River erosion
- Earthquake

Table 3-2. Damage Report on disasters in 2020 (flood, waterlogging and river erosion)

Union Name	Area(km ²)		Agricultural area (ha)		Population		Households	
	Total	Affected	Total	Affected	Total	Affected	Total	Affected
Ashtamir Char	75.01	65	1239	740	16880	16288	4075	4072
Chilmari	26.93	25	810	525	8063	7772	2021	2021
Nayarhat	52	48	953	604	10281	10212	2573	2553
Ramna	20.89	18	666	506	31625	28612	7183	7153
Raniganj	25.83	25	546	408	22718	20510	5404	5384
Thanahat	24.37	20	360	275	42148	38432	9683	9630
Total	225.03	201	4574	3058	131715	121826	30939	30813

Source: D-form from PIO, Chilmari Upazila, Kurigram District; dated 28/07/2020

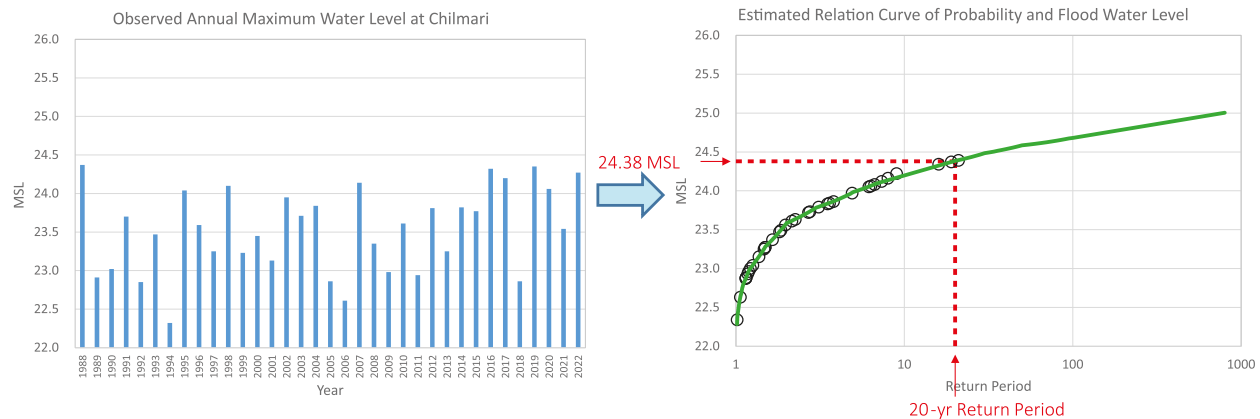
3.3 Hazard and Disaster Risk of the Upazila by Disaster

3.3.1 Flood

(1) Hazard

The flood hazard risk was assessed based on observed historical water level data from the Bangladesh Water Development Board (BWDB) by combining with danger water levels defined by BWDB. The danger water level is the water level above which the flood may cause damages to nearby crops and homesteads. It is generally fixed slightly below the design flood level of the embankment. In terms of the probability of occurrence, the corresponding return period is approximately 2 to 5 years, although it varies depending on the location. Therefore, the difference between the design flood level and the danger water level needs to be calculated.

To obtain the design flood level, which corresponds to a 20-year return period's flood for this plan, the highest water level of each year was plotted against the year after sorting the values against year in ascending order. Then, a trend line was drawn in accordance with standard procedures for hydrological statistical analysis. From this trend line, any return period's water level could be extracted. For the sake of this plan, the 20-year return period's water level of 24.38 m MSL (above mean sea level) was considered (Figure 3-8).



Source: JICA Expert Team, based on data provided by BWDB

Figure 3-8. Observed annual maximum water level at Chilmari (left) and plotting water level against year (right)

Figure 3-9 is the flood hazard map of Chilmari Upazila using the inundation depth of a 20-year return period, which causes tremendous damage to paddy production (cultivation). Among the unions in Chilmari Upazila, all are particularly prone to flooding because the lands of such unions are low-lying. Special attention should be taken at Ashtamir Char, Chilmari, and Nayerhat unions, as most areas (>50%) have a probability of being inundated above 3.6 m of flooding at the 20-year return period (Table 3-3). The paddy fields and the settlement area in such unions are affected severely and widely.

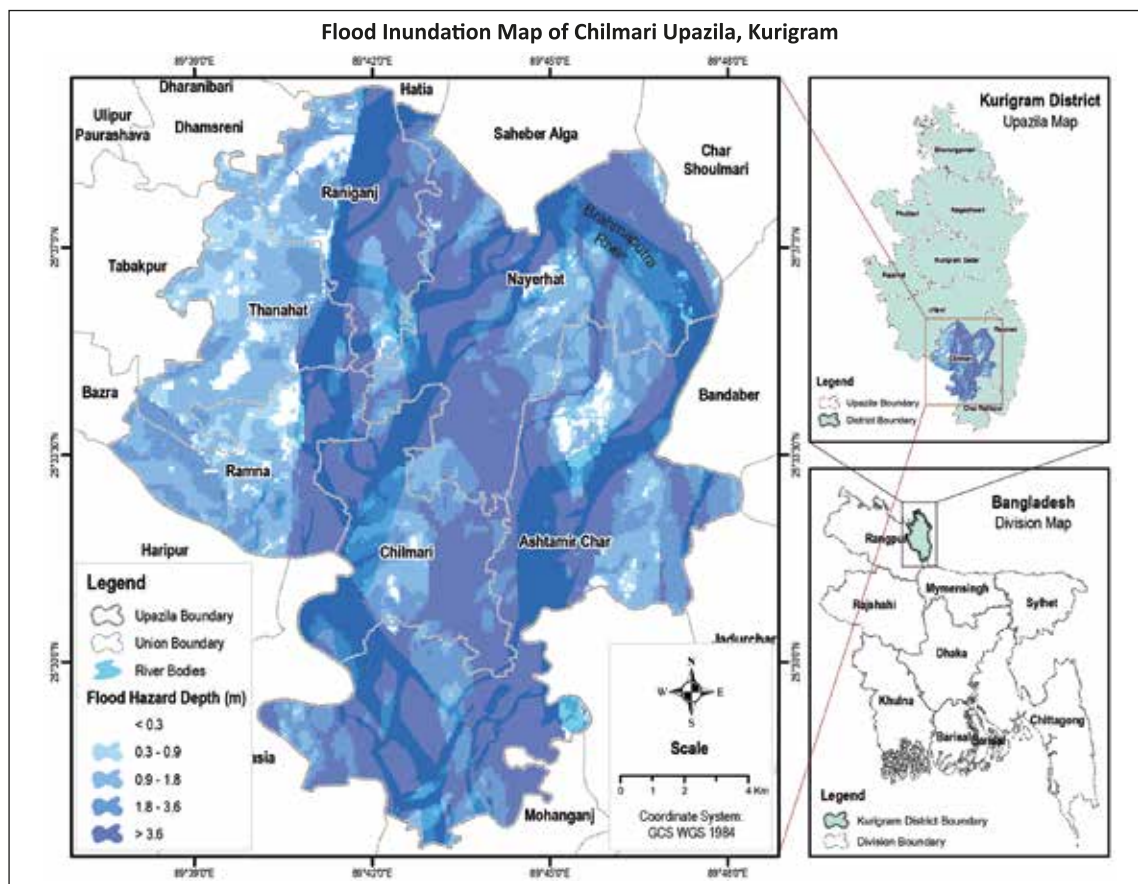


Figure 3-9. Flood Hazard Map at the 20-year return period of Chilmari Upazila

Table 3-3: Union-wise flood inundation area in hectare and percentage of area of Chilmari Upazila

Union/Upazila	Below 0.3 m (%)	0.3 - 0.9 m (%)	0.9 - 1.8 m (%)	1.8 - 3.6 m (%)	Above 3.6 (%)	Total Area (%)
Ashtamir Char	229.3 (2.9)	185.3 (2.4)	1,101.3 (14)	1,785.3 (22.7)	4,551.3 (58.0)	7,852.5 (100)
Chilmari	19.2 (0.6)	28.6 (1.0)	351.2 (11.8)	757.0 (25.5)	1,817.3 (61.1)	2,973.4 (100)
Nayerhat	103.7 (1.8)	100.5 (1.7)	962.4 (16.5)	1,267.7 (21.8)	3,385.6 (58.2)	5,819.8 (100)
Ramna	124.1 (4.9)	231.1 (9.2)	885.4 (35.2)	547.7 (21.8)	726.4 (28.9)	2,514.7 (100)
Raniganj	166.7 (6.3)	151.9 (5.7)	571.4 (21.6)	507.7 (19.2)	1,246.5 (47.1)	2,644.2 (100)
Thanahat	182.0 (7.0)	608.5 (23.6)	1,173.9 (45.5)	370.3 (14.3)	247.7 (9.6)	2,582.4 (100)
Chilmari Upazila	825.1 (3.4)	1,306.0 (5.4)	5,045.6 (20.7)	5,235.7 (21.5)	11,974.8 (49.1)	24,387.1 (100)

(2) Disaster Risk

The flood disaster risk in the Upazila was estimated focusing on three major assets to be protected: cultivation fields, settlement areas, as well as important infrastructures and public facilities. By overlaying the flood hazard map on these areas, the affected areas were identified.

I. Damage estimation of the paddy field by flood

As shown in Figure 3-10 and Figure 3-11, the most vulnerable unions to flooding are Ashtamir Char, Chilmari and Nayerhat Unions, consisting of large areas of dunes of the Brahmaputra River. The inundation areas are >1,000 ha at each union. Besides, the rest unions, which are Thanarhat, Ramna and Raniganj, will also be inundated with flood water that would damage paddy fields, however lesser extent than the other three mostly affected unions (Figure 3-9 and 3-10).

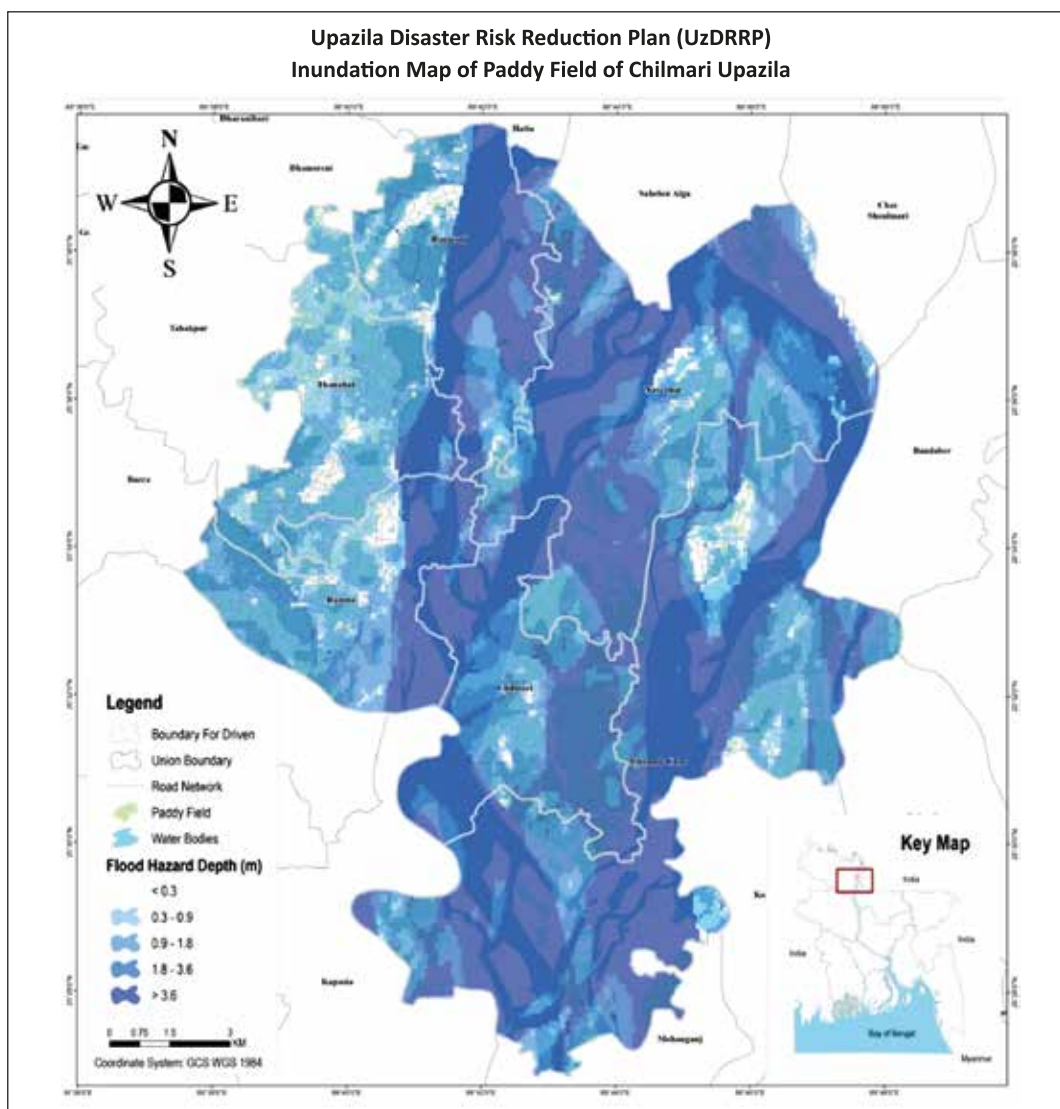


Figure 3-10. Inundated Area of Paddy Field by the flood of Chilmari Upazila

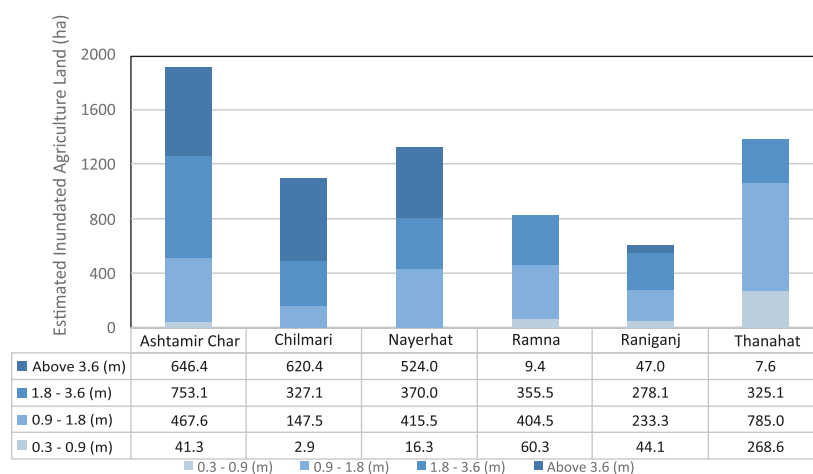


Figure 3-11. Inundated Area of the Paddy field by the flood of Chilmari Upazila

II. Damage estimation of the settlement area by flood

Figure 3-12 shows the spatial distribution of expected inundation areas with the settlement areas, and Figure 3-13 illustrates the estimated inundated areas of the settlement areas by union based on the calculated design flood level (24.38 MSL) at Chilmari station of BWDB. Comparing the affected settlement areas by union, Thanarhat has the largest areas (>650 ha), while the others range between 140 and 370 ha. However, settlements in unions like Ashtamir Char, Chilmari and Nayerhat are expected to be largely affected by deep inundation (>1.8 m), which is quite alarming to take into consideration for evacuation facilities. These unions are located in comparably lower elevation areas in dunes and thus are more prone to flooding.

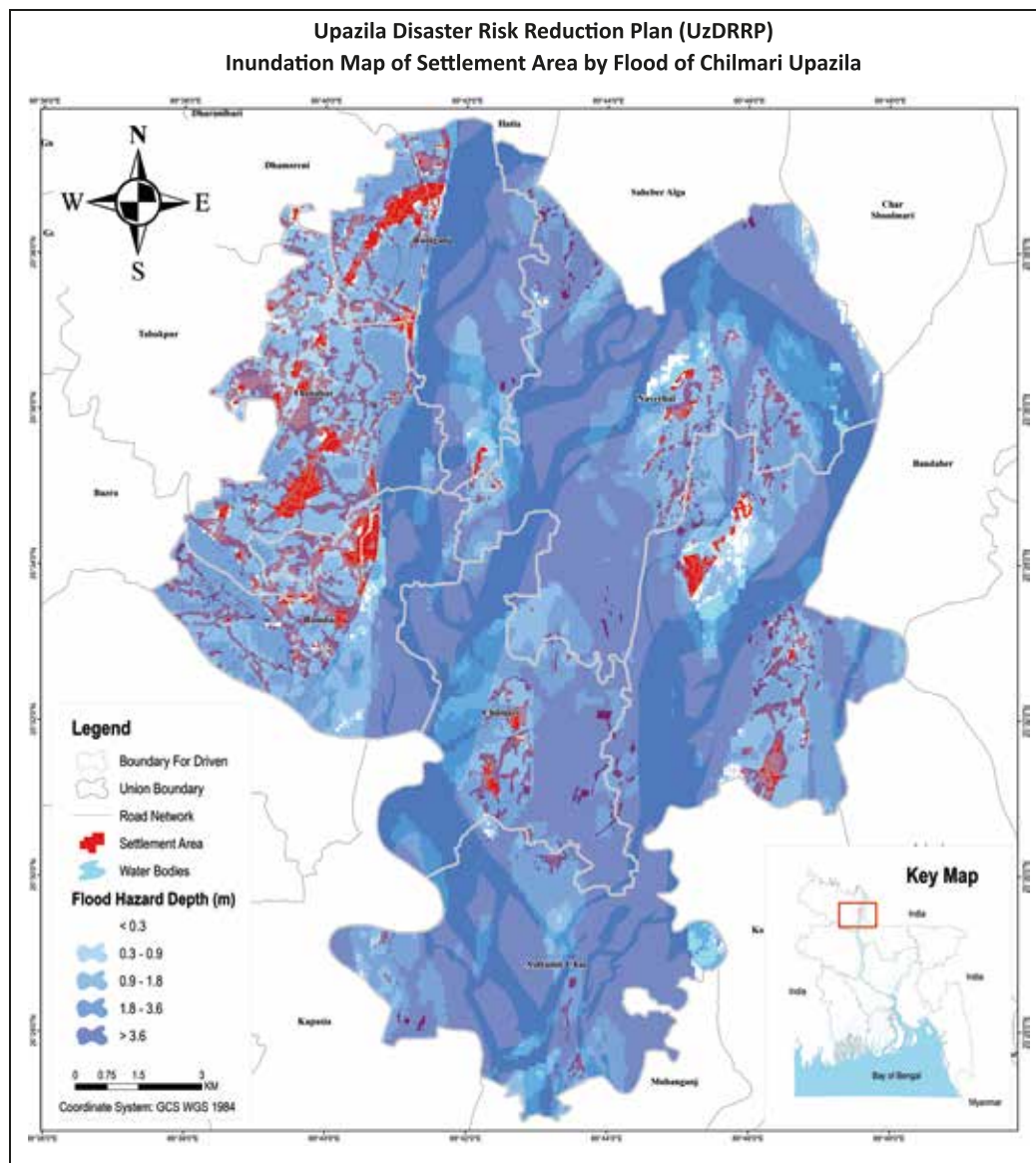


Figure 3-12. Inundated Settlement with danger water level of BWDB

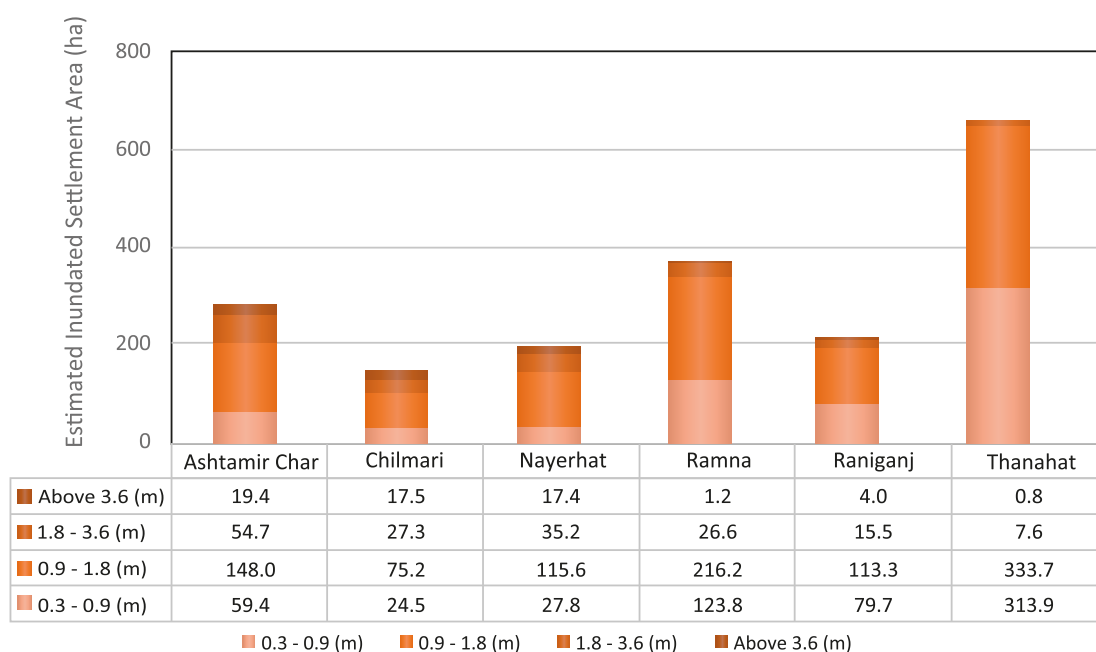


Figure 3-13. Inundated Area of Settlement at danger water level of Chilmari station of BWDB

II. Damage estimation of important facilities and infrastructures by flood

Figure 3-14, 3-15 and Table 3-4 illustrate the damage estimation of the important DRR-related facilities and infrastructures, namely roads and bridges, government offices, schools and shelters, and hospitals, in consideration of the disaster management and emergency operation. Roads are expected to be severely affected by flooding in all unions (>75% of road length), while the estimated flood damage to DRR-related public facilities is concentrated in four unions, which are Ashtamir, Chilmari, Nayerhat, and Ramna, at over 80%.

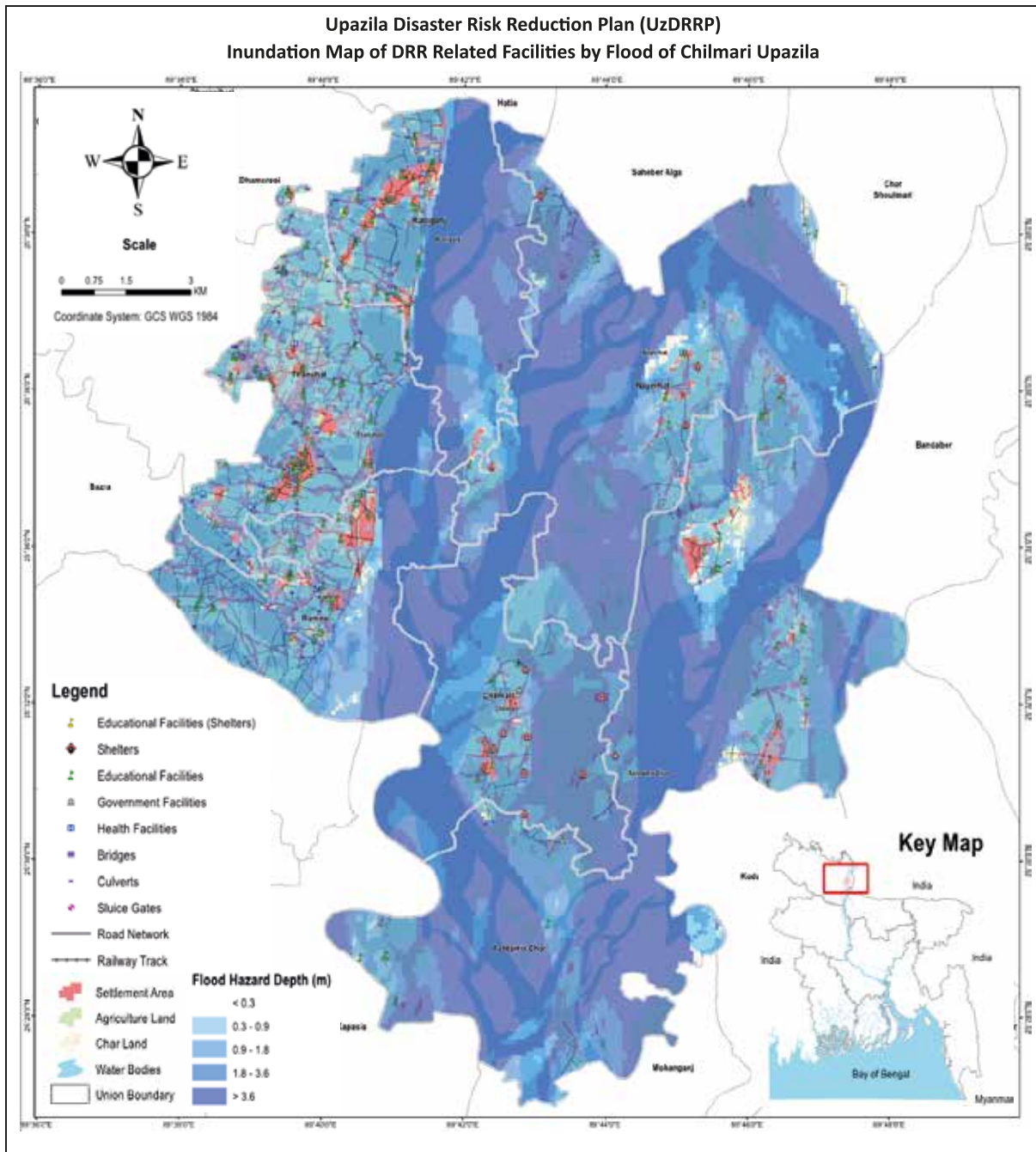


Figure 3-14. Inundated map of DRR-related facilities with danger water level by flood

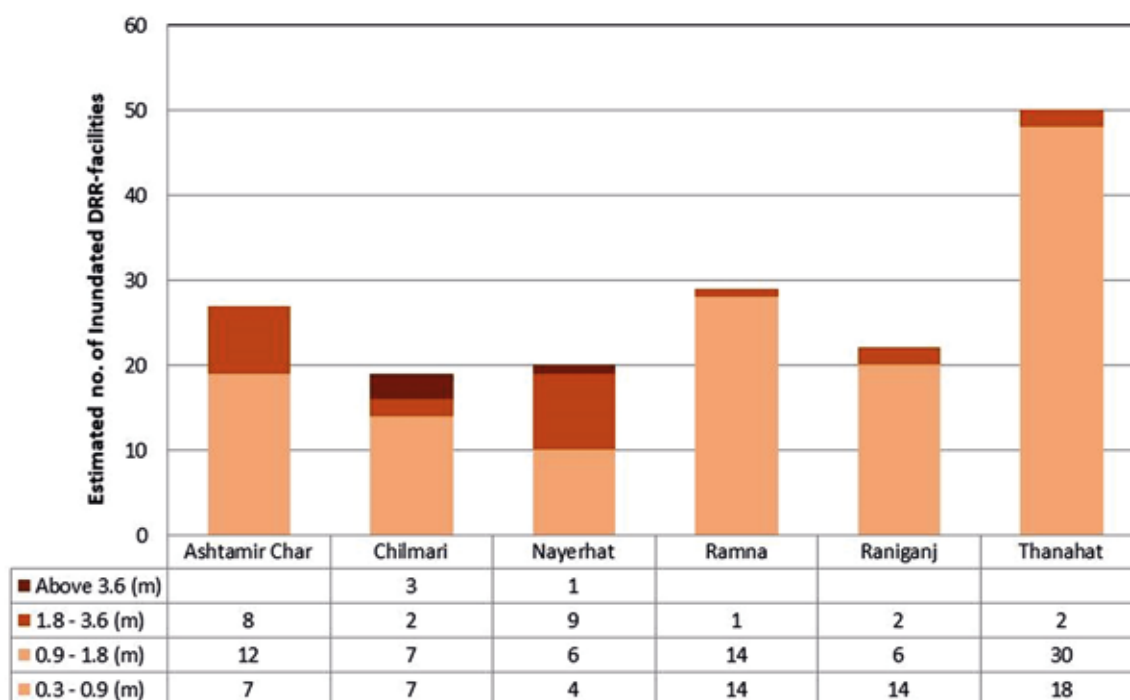


Figure 3-15. Inundated DRR-related facilities by flood in Chilmari Upazila

Table 3-4. Flood-affected facilities and infrastructure by Union

Union Name	Road Length (m)			DRR-related (important) facilities (no.)			(Reference) Bridges, Culverts and Sluice Gates		
	Total	Inundated (≥0.3m)	%	Total	Inundated (≥0.3m)	%	Total	Inundated (≥0.3m)	%
Ashtamir Char	32,009.8	24,865.9	77.7	30	27	90	3	2	66.7
Chilmari	19,332.7	17,700.6	91.6	19	19	100	1	1	100
Nayerhat	22,801.7	20,102.5	88.2	24	20	83.3	1	1	100
Ramna	99,130.1	90,133.5	91	36	29	80.6	18	15	83.3
Raniganj	48,219.9	36,636.5	76	41	22	53.7	15	12	80
Thanahat	131,365.4	114,388	87.1	92	50	54.3	36	36	100

3.3.2 River Erosion

(1) Hazard

Figure 3-16 shows the river erosion hazard map for Chilmari Upazila, using satellite images over the past years to identify the trends in riverbank erosion and then predict the risk areas during the next few years. Ashtamir Union is relatively at high risk of erosion, followed by Nayerhat, Chilmari, and Raniganj.

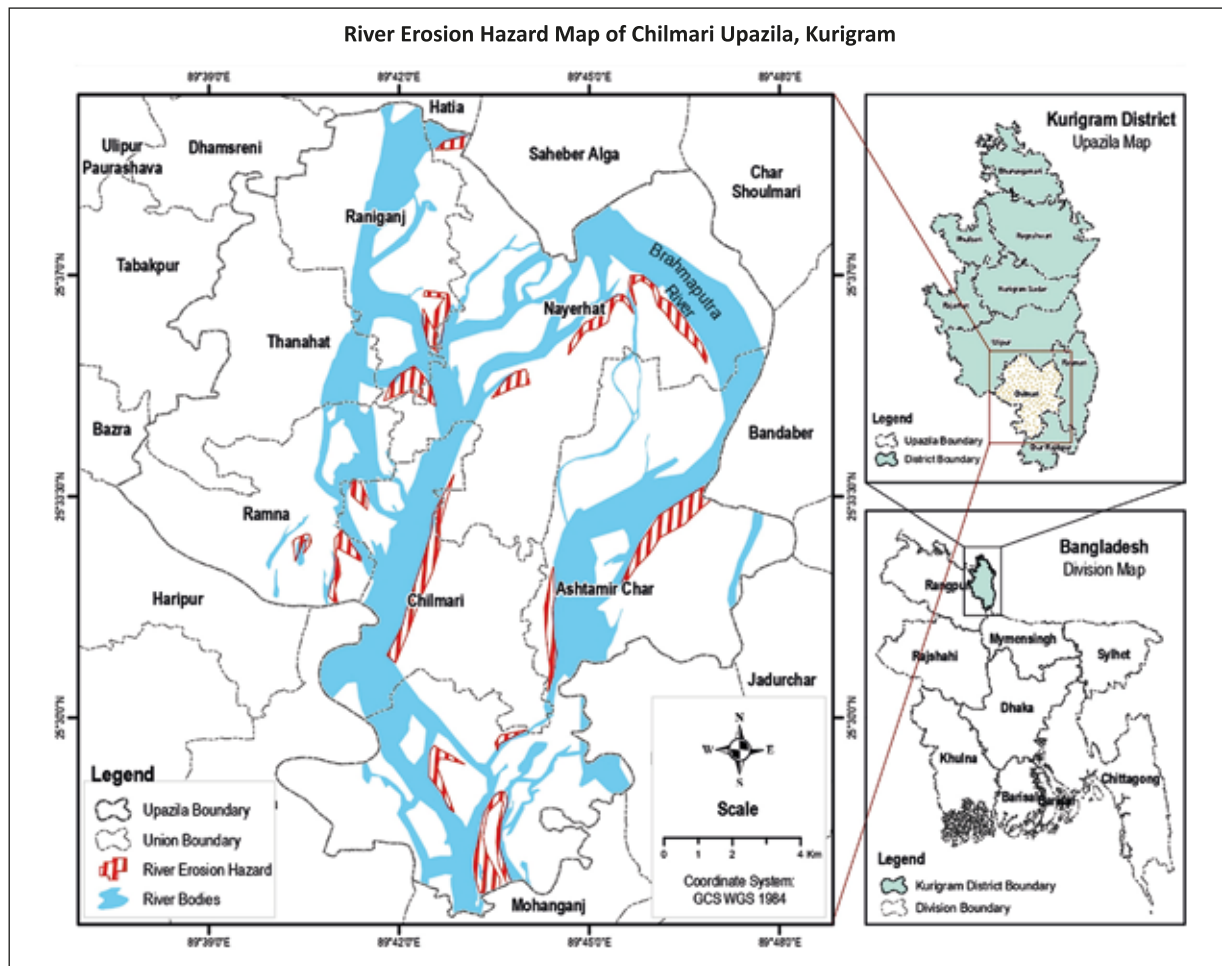


Figure 3-16. River erosion hazard map of Chilmari Upazila

(2) Disaster Risk

Among the unions in Chilmari Upazila, the settlement areas in Nayerhat are expected to be widely affected by river erosion. Approximately 34 ha of 162.1 ha (total settlement area) is predicted to be affected, equivalent to 16% of the area being eroded. Similarly, for agricultural land, in Chilmari union, 181 ha of 1935 ha (total agricultural land) will be affected by river erosion.

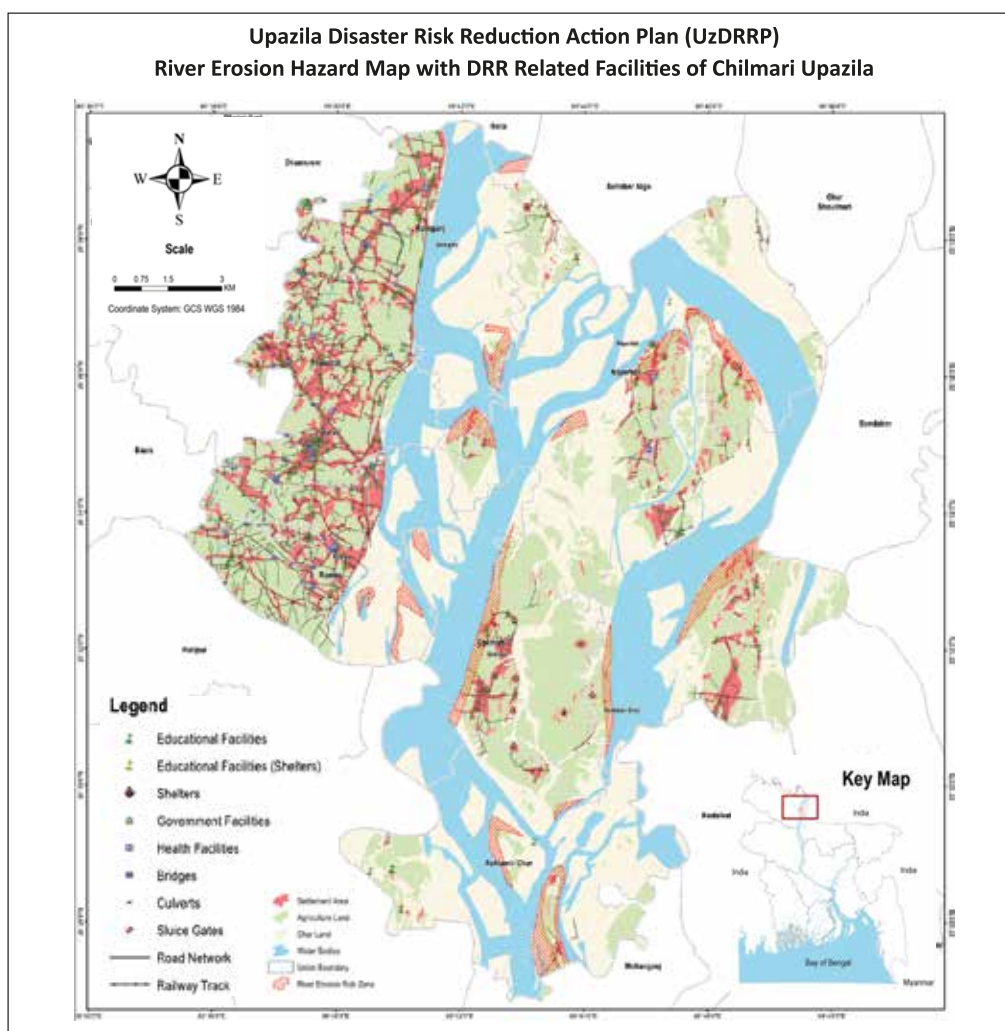


Figure 3-17. River erosion map with land use and DRR-related facilities of Chilmari Upazila

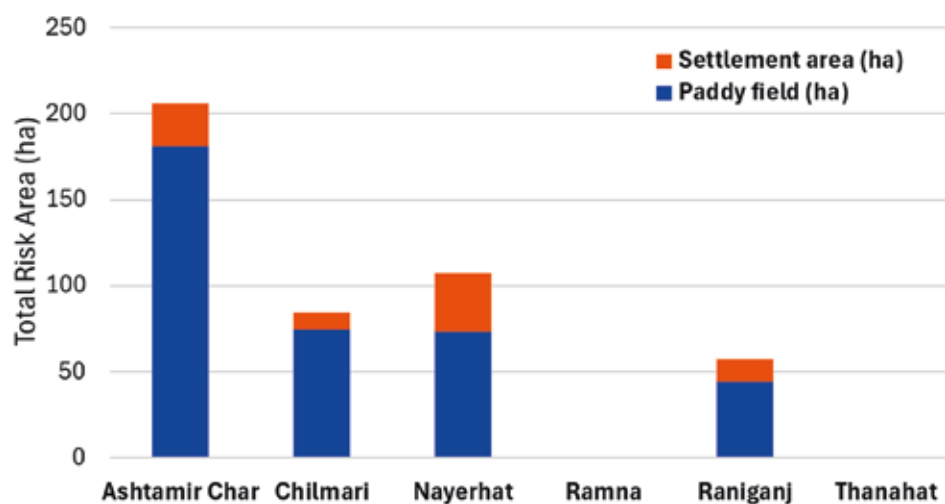


Figure 3-18. River erosion hazard risk on settlement areas and paddy fields in Chilmari

(1) Hazard

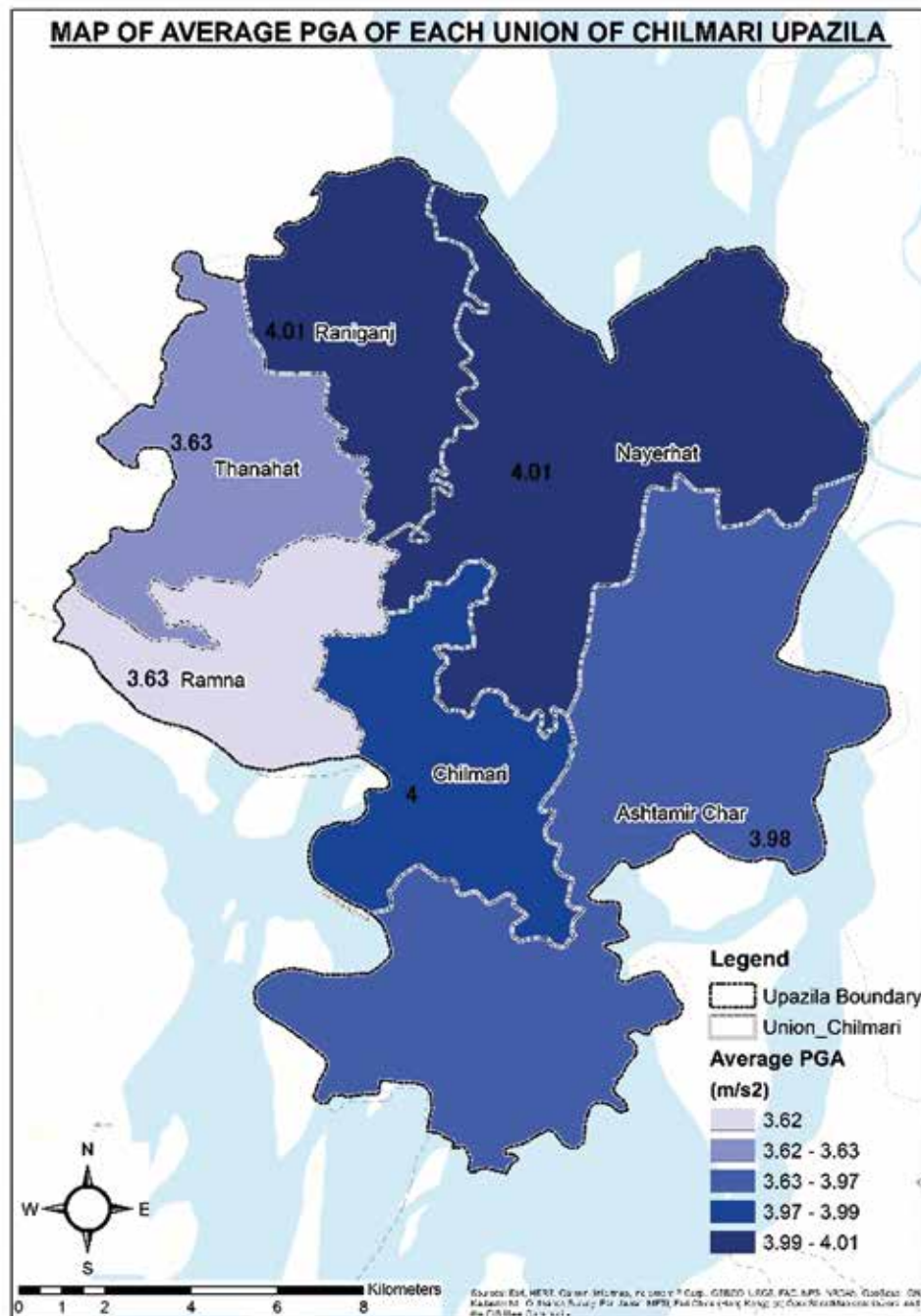


Figure 3-19. Average PGA of each Union of Chilmari Upazila

(2) Disaster Risk

The risk of earthquake shaking is high due to inadequate seismic resistant buildings in Chilmari Upazila. Figure 3-20, 3-21 and Table 3-5 show that Thanahat Union having the largest population in Chilmari Upazila, is expected to be most affected by the earthquake shaking, followed by Ramna and Raniganj Unions. The ratio of the affected households is the highest in Astamir Char, Chilmari and Nayerhat Unions (83%, Figure 3.18b). In general, the earthquake resistance measure is to strengthen the buildings.

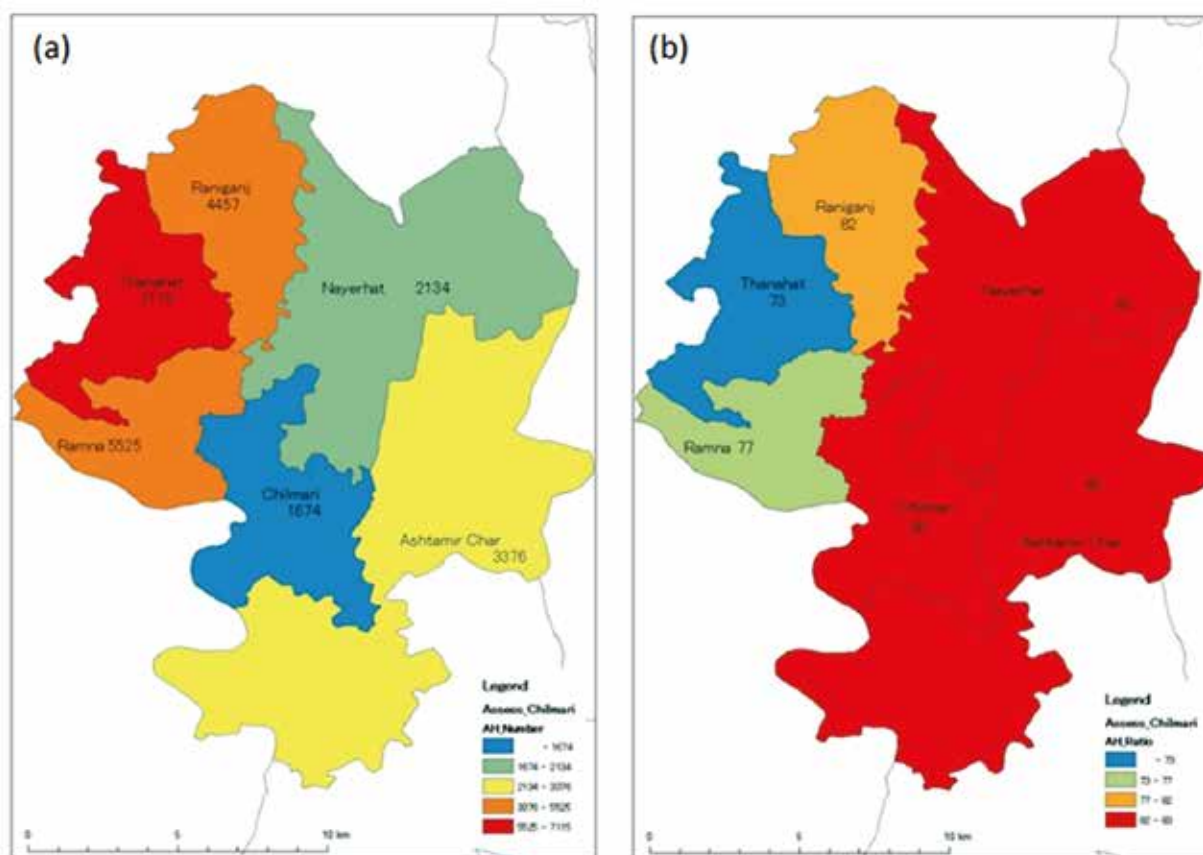


Figure 3-20. (a) Expected Number of Affected Households, (b) Expected ratio of affected households by earthquake shaking in Chilmari Upazila

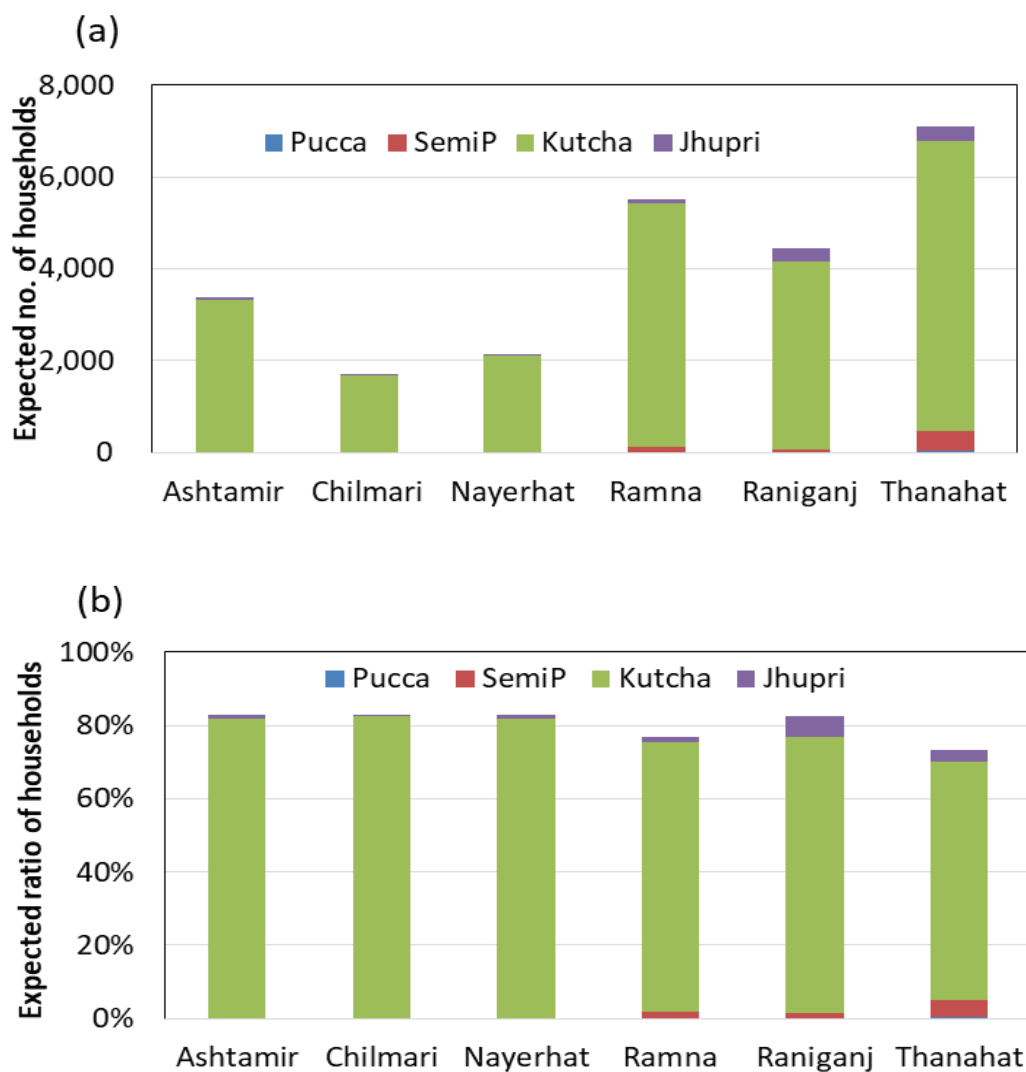


Figure 3-21. (a) Expected number of households, and (b) Expected ratio of households affected by earthquake in Chilmari Upazila

Table 3-5. Affected Household by Earthquake Shaking at Chilmari Upazila

Union	Expected No. of affected Household	Total Household (Census 2011)	Expected ratio of affected households (%)
Ashtamir Char	3376	4077	83%
Chilmari	1674	2024	83%
Nayerhat	2134	2574	83%
Ramna	5525	7188	77%
Raniganj	4457	5405	82%
Thanahat	7115	9698	73%

3.4 DRR Issues and Higher Risk Unions

3.4.1 Flood and waterlogging

(1) DRR Issues

The summary of the DRR issues given by the unions of Chilmari Upazila for flood is;

- Damage to roads and houses, and continued inundation
- Damage to crops and fields, and interruption of commercial activities
- Damage to livestock due to infectious diseases and feed shortages caused by flooding
- Disruption of the systems of education, transportation, and health
- Disruption of transportation networks after flooding

The summary of the DRR issues given by the unions of Chilmari Upazila for waterlogging is;

- Damage to crops and residential areas, resulting in reduced harvests and income, and food shortages for people and livestock
- Disruption of transportation networks due to waterlogging
- Outbreak of infectious diseases due to waste runoff and stagnation

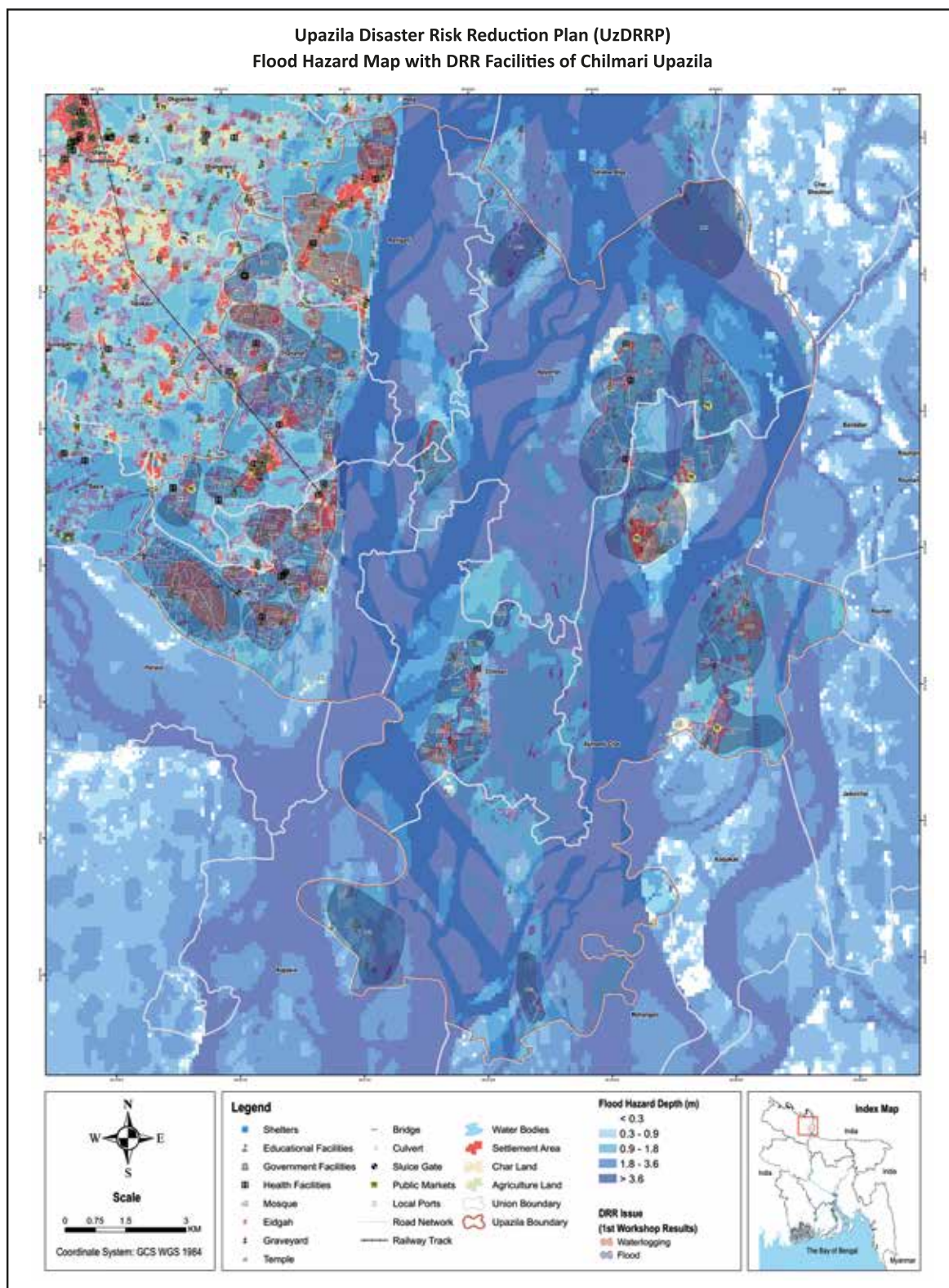


Figure 3-22. Flood hazard map with DRR issue in Chilmari Upazila

(2) Higher Risk Unions

Based on the scientific risk assessment results and DRR issues raised by the union parishad, the higher risk unions by flood were revealed as shown in Figure 3-23 and Table 3-6.

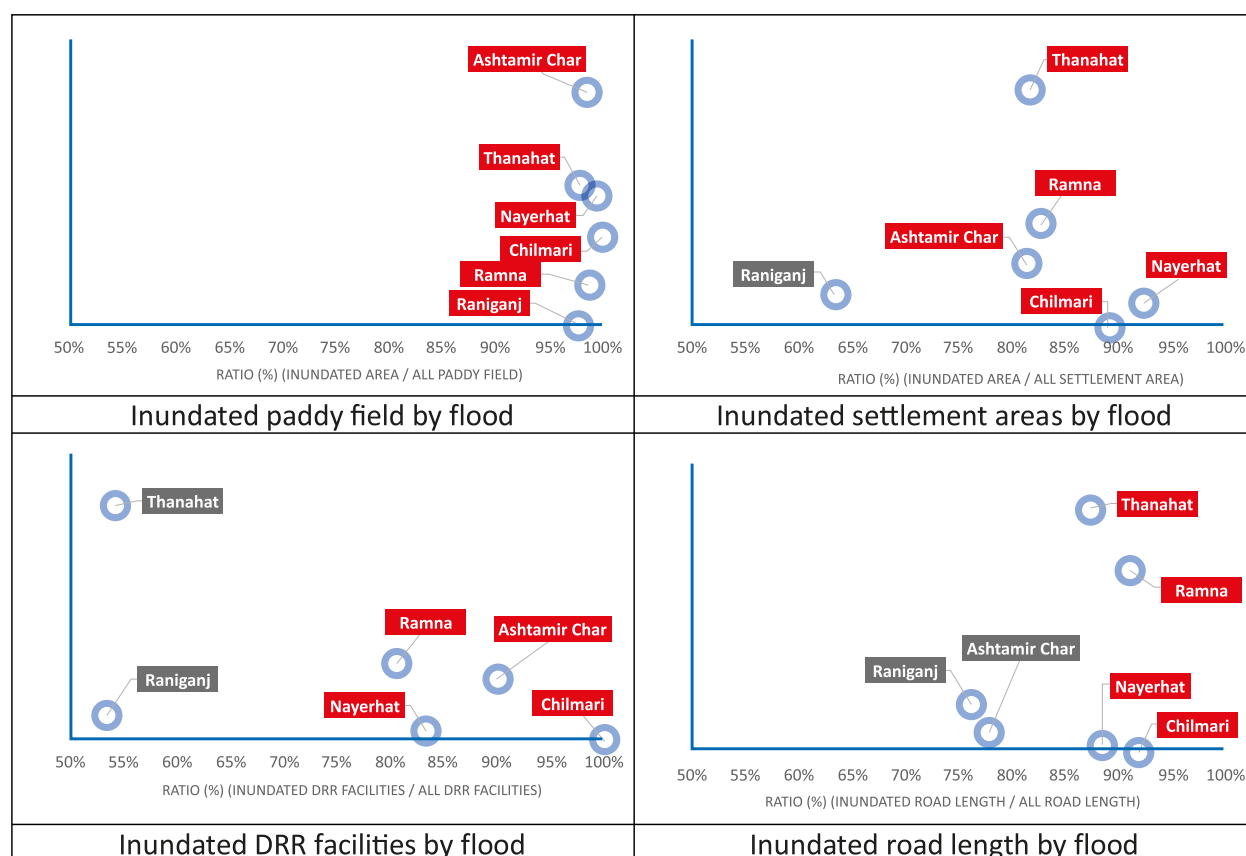


Figure 3-23. Higher risk unions for different disaster risks in Chilmari Upazila

Table 3-5. Affected Household by Earthquake Shaking at Chilmari Upazila

Issues	Higher risk union
Inundated paddy field	All Unions
Inundated settlement areas	Ashtamir Char, Chilmari, Nayarhat, Ramna, Thanahat
Inundated DRR facilities	Ashtamir Char, Chilmari, Nayarhat, Ramna
Inundated road length	Chilmari, Nayarhat, Ramna, Thanahat

3.4.2 River Erosion

(1) DRR Issues

The summary of the DRR issues given by the unions of Chilmari Upazila for river erosion is;

- Loss of houses, livestock housing, and farmland
- Loss and damage to educational facilities and schools
- Road collapses and resulting disruption of transportation systems

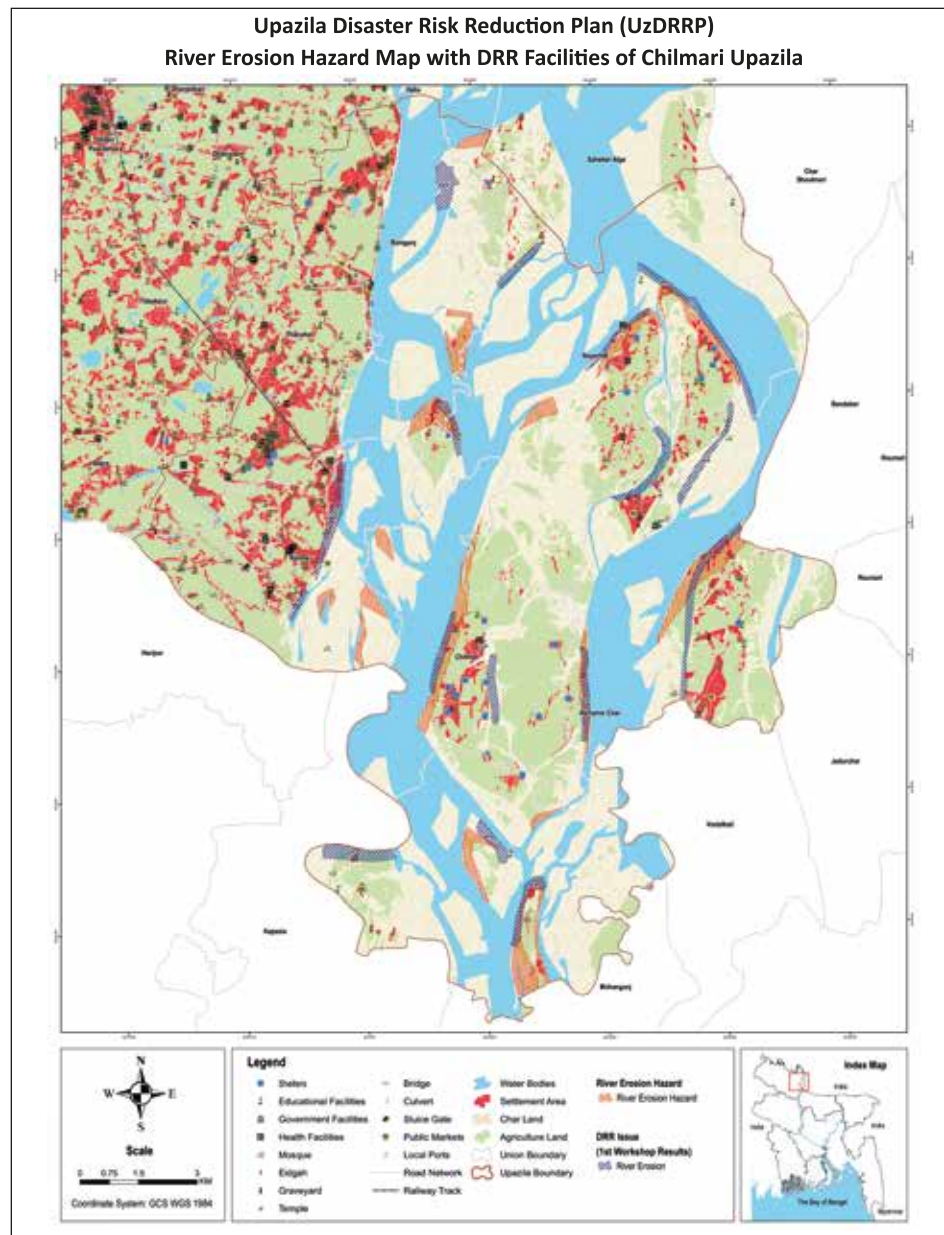


Figure 3-24. River erosion hazard map with DRR issue

(2) Higher Risk Unions

Based on the scientific risk assessment results and DRR issues raised by the union parishad, the higher risk unions by river erosion were **Ashtamir Char, Chilmari, Nayarhat and Raniganj**.

3.4.3 Others

The summary of the DRR issues given by the unions of Chilmari Upazila for other disasters is;

- Loss of life, livestock and injuries due to lightning strikes
- Damage to crops due to lightning strikes
- Reduction in crop production due to lack of water (for drought)
- Increased rearing costs and food shortages for people and livestock due to lack of adequate grass and feed (for drought)

Chapter-4. DRR Target of the Upazila

4.1 Vision

The estimated human and economic damages by each disaster will be reduced by 50% within 10 years (from 2025 to 2035).

4.2 Challenges by Hazard

In order to accomplish the above vision effectively with the limited budget and human resources, the following challenges were identified by hazard.

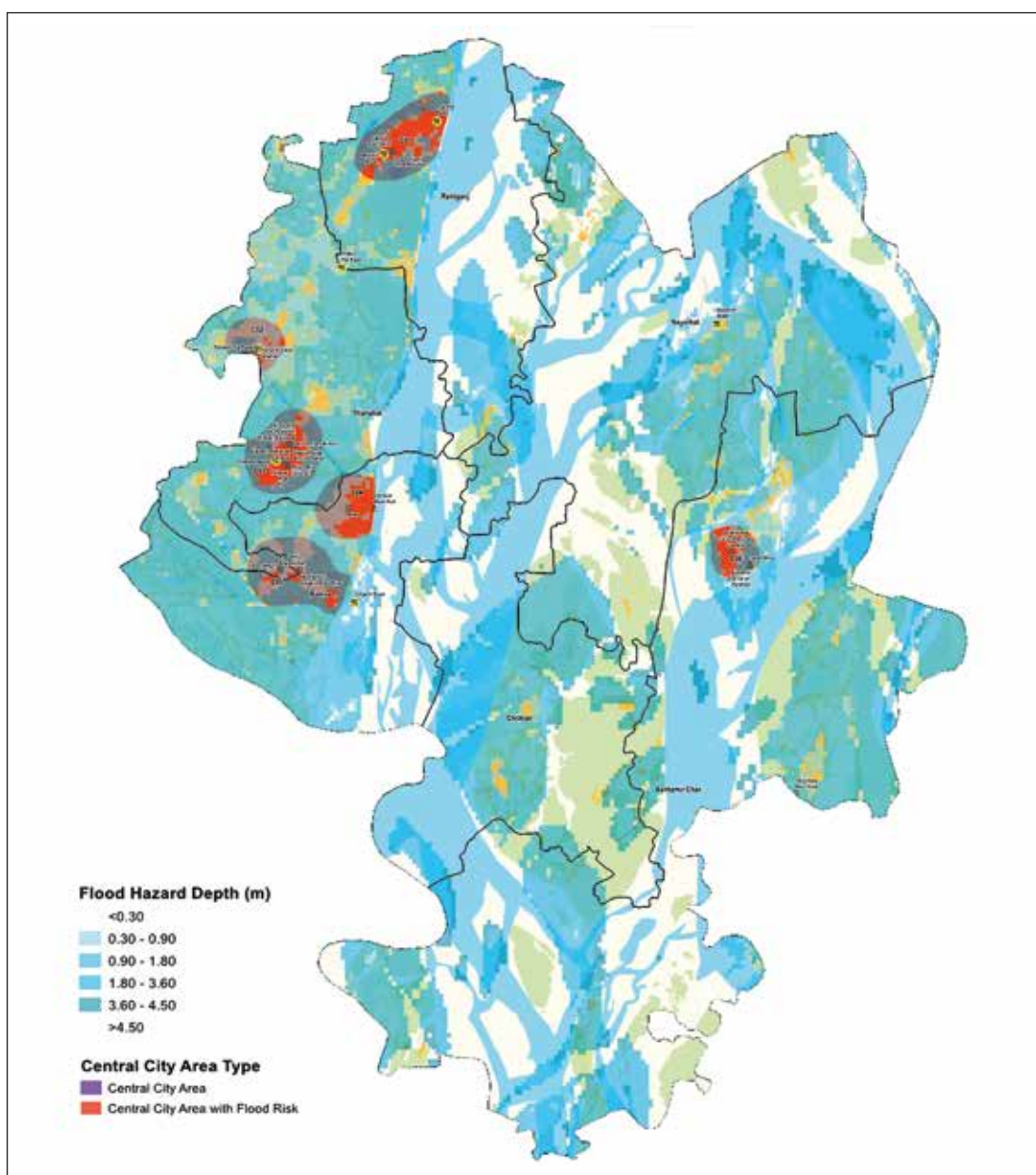
Hazard	Target Area	Challenges by Hazard (Countermeasures policy)	
		Short-to-Mid term	Long term
Flood	Inland area	- Reduce at least the inundation risk of DRR-related facilities (e.g., government, medical care, education, and sanitation) and the central city areas* of the Upazila by improving flood control and drainage facilities and raising the land area of key facilities. - Reduce damage to at least people and assets (e.g., property, livestock) and maintain transportation networks during flooding by improving evacuation systems and major roads. - Ensure early evacuation through warning	Reduce flood damage to the entire area by stormwater drainage facilities and flood control facilities
	Along river	- Reduce at least the inundation risk of DRR-related facilities and the central city areas* of the Upazila by improving flood control in some priority areas and raising the land area of key facilities - Reduce damage to at least people and assets (e.g., property, livestock) and maintain transportation networks during flooding by improving evacuation systems and major roads. - Ensure early evacuation through warning	Reduce flood damage to the entire area, including administration and commercial centers, key infrastructures, residential areas, and agricultural lands, by improving riverbank protection and land use along the river.
	Char area	- Minimize damage to at least people and assets (property, livestock, etc.) and maintain transportation networks during flooding by improving evacuation systems and major roads. - Ensure early evacuation through warning *Flood control measures to protect the Char area has not been currently planned.	Minimize flood damage to specific areas and facilities (e.g., residential areas, administrative and commercial centers and key DRR facilities) by land raising and land use improvements.

Hazard	Target Area	Challenges by Hazard (Countermeasures policy)	
		Short-to-Mid term	Long term
River Erosion	Along rivers	Urgently Control the progress of riverbank erosion by emergency measures at riverbanks and dredging in areas with recent significant erosion damage.	Reduce the risk of riverbank erosion in the entire riverfront area through riverbank revetment and channel improvement, etc.
	Char area		Reduce the risk of riverbank erosion in administrative and commercial centers through emergency measures and dredging of revetments in some areas
Earthquake Shaking	All areas	- Promote compliance with building standards and seismic diagnostics - Raise awareness of earthquake risks and promote preparedness at home and in the community	Ensure earthquake resilience of buildings and infrastructure through seismic retrofitting, and proactive measures such as redundancy and alternative measures of the infrastructure
Drought	All areas	Promote to expand and improve irrigation and water storage facilities to provide stable water to the fields and for livestock, and to convert to drought-resistant crops and agricultural methods.	
Lightning	All areas	- Reduce damage to human life and livestock by establishing and maintaining lightning arresters and evacuation shelters (people, livestock) - Raise awareness of how to evacuate and cope with lightning strikes.	
Common	All areas	- Foster human resources through disaster management training and drills, as well as prepare material and equipment to enable rapid disaster response. - Provide DRR education and public awareness raising to encourage citizens to appropriately understand the hazard risk and prepare for the evacuation and disaster response, regardless of ages or gender.	

* **Notes: DRR-related facilities and the central city area:**

- DRR-related facilities:** the facilities where the government agencies and community leaders will use before, during, and after disasters for disaster preparedness and response.
- Central city area:** the areas with a specifically concentration of city markets, river ports, and government facilities in proximity to or within the settlement areas. These areas are referred to as the important areas in the Upazila in consideration of the DRR, and therefore should be protected in a priority manner. The following are the recognized areas in the Upazila.

Figure 4.1. Chilmari Central city area on the scientific flood hazard map



Central city area list:

- C01 Raniganj Central City Area**
- C02 Thanahat Central City Area**
- C03 Chilmari Central City Area**
- C04 Chilmari River Port Area**
- C05 Ramna Central City Area**
- C06 Ashtamir Char Central City Area**

*Red color areas have high inundation risks of flooding

Chapter-5. Action Plan of DRR Countermeasures

5.1 Current status of the general DRR Countermeasures in the Upazila

This Chapter explains the current status of general DRR-related countermeasures and the responsible agencies in the upazila by hazard.

5.1.1 Structural countermeasures against Flood and River Erosion

BWDB is making efforts to mitigate inundation and erosion through various types of countermeasures, including embankment construction, small canal excavation, and sluice gates, while drain constructions have been conducted by DPHE. Retarding basin and reservoir are not commonly applied, and there is no reservoir in the Upazila. In addition, BWDB constructed several dams in different areas of the Upazila to protect the paddy fields.

Type of Countermeasures	Current status	Responsible Agency
Embankments/Dike/Slope protection (incl. sandbags)	✓	BWDB
Canal excavation and other river improvements (Widening and Deepening)	✓	BWDB
Sluice gates	✓	BWDB/LGED
Retarding basin/Reservoir	Not undertaken	BWDB
Drainage facilities (Pumping Station , etc.)	Not undertaken	DPHE/BWDB/LGED
Rubber dam	✓	BWDB/LGED

5.1.2 Countermeasure against Earthquake Shaking

In this area, most of the building structures are low-rise. There is the Upazila Construction Committee, which is responsible for supervising the building standards (BNBC-2020) in the design and construction of urban and rural areas. This Upazila has some old building infrastructures. After the Building Assessment (Seismic diagnosis) conducted by PWD, if required, PWD can suggest retrofit⁸.

Type of Countermeasures	Current status	Responsible Agency
Compliance with the building standards (BNBC-2020)	✓	BCC/UzCC
Building Assessment (Seismic diagnosis)	Unknown	PWD
Seismic retrofitting of facilities and Infrastructures	Not undertaken	LGED/PWD
Drill and awareness training	✓	DDM/FSCD/NGO's

5.1.3 Countermeasure against Drought and Lightning

BWDB, BADC, and DPHE are making efforts to mitigate the drought through various types of countermeasures, like shallow tubewell, deep tubewell, channel excavation, irrigation projects, drinking water supply projects, etc. In the Char area, BADC has been providing the solar motor pump for irrigation

⁸ Retrofitting to cope with earthquake shaking is the process of modifying existing structures to make them more resistant to seismic activity, ground motion, or soil failure due to earthquakes

purposes. In this area, reservoirs are not commonly applied, and there is no reservoir in the Upazila. BADC has some programs for conversion to drought-resistant crops and agricultural methods. DDM has no lightning project in this Upazila.

Type of Countermeasures	Current status	Responsible Agency
Lightning arrester	Not undertaken	DDM
Well development	Not undertaken	DPHE/BADC
Reservoir	Not undertaken	DPHE/BADC
Repeat irrigation (e.g. pumps)	✓	BADC
Conversion to drought-resistant crops and agricultural methods	✓	BADC
Tree Plantation (Palm Tree)	Not undertaken	DDM/ Forest Department(FD)

5.1.4 Emergency Operations before, during, and after disasters

Shelter: Mujib Killah (2 in total) **and** Multipurpose Shelters like High School/College cum Shelter house (4 in total) are constructed by DDM and Primary school cum shelter house are constructed by LGED in this Upazila.

Transportation: LGED is the main responsible agency for developing and maintaining the listed road and transportation infrastructure. In addition, DDM also develops the HBB, CC road and Earthen road. In the Char areas, DDM develop the main connectivity in this upazila.

Drainage system: Improvement of the drainage system is important to prevent prolonged inland flooding and waterlogging. LGED and DPHE cope with the challenges of installing and rehabilitating drainage systems in urban and rural areas separately. There is no master plan for the drainage system in this Upazila.

Water and sanitation: Water and sanitation infrastructures are critical to provide safe water and maintain the living environment hygiene. DPHE is the main agency to cope with water-related issues to prevent the secondary effects of the disaster.

Type of Countermeasures	Current status	Responsible Agency
Shelters (incl. lightning shelter house) /Mujib Killah	✓	DDM/ LGED
Roads	✓	DDM/LGED
Bridges	✓	
Culverts	✓	
Drains	✓	DPHE/LGED
Facilities for Water (e.g., Tube well, Pipeline and sanitation]	✓	DPHE/NGOs

5.1.5 Non-structural Countermeasures against Disasters

(1) Land use planning

The urbanization control areas are supposed to restrict or regulate the development and conversion of land use, especially in the Char areas that are prone to floods, erosion and environmental degradation. However, the implementation and enforcement of the urbanization control in Kurigram are weak due to a lack of coordination among different agencies, political interference, population pressure, and poor awareness among the people.

To cope with this, it needs more vertical coordination and connection between governmental policy, district plan and strategy, and stakeholders in Union Parishads and Upazila administration. It's worth discussing in the UzSC continuously.

Type of Countermeasures	Current status	Responsible Agency
Urbanization control	Unknown	Upazila/UDD/DDM
Raising land area of specific facilities	✓	
Resettlement/Relocation	Unknown	
Designating special warning areas	Unknown	

(2) Early warning information and communications

The broadcasting system is utilized by BWDB, DRRO, and PIO. BWDB collects meteorological information through the line ministries. Mainly in the rainy season, DRRO, along with the PIO office, informs about rainfall and water level at the district level. The district office (DRRO) informs DDM and MoDMR of those issues.

Type of Countermeasures	Current status	Responsible Agency
Installation of the monitoring system for rainfall and/or water level	✓	BMD/BIWTA/BWDB/DDM
Flood forecasting and warning system, including community radio	✓	BWDB/ FFWC
Telecommunication system for search and rescue	✓	BTRC/DDM

(3) Disaster management training, drills and equipment

Disaster preparedness and response drills are conducted before the flood season. Regional evacuation drills are conducted once a year at the Union level. Disaster management training for UDMC members is conducted at least once a year.

Type of Countermeasures	Current status	Responsible Agency
Identification of evacuation routes	Unknown	UzDMC/UDMC/LGED/DDM/FSCD
Disaster response and/or evacuation drill	Unknown	DDM/FSCD/UzDMC
Preparation of SOP for emergency operation	Unknown	DDM/Donor
Inventory preparation on vulnerable infrastructure, such as hospitals, water wells, and schools, based on the risk map	Unknown	UDD/PWD/FSCD/DDM
Training on DRR, simulation and exercise	Unknown	DDM/FSCD
Preparation of equipment for emergency operation	✓	DDM/FSCD/ DGHS

(4) Raising public awareness and disaster education

Disaster education is provided irregularly in both primary and secondary school classes. Awareness raising for disaster risk reduction is mainly conducted through TV and Radio, however, in some areas, NGOs conduct courtyard meetings, simulations, drills, etc. when support by donors is available.

Several unions have emergency disaster preparedness equipment and emergency warehouses for stockpiled materials in the event of a disaster, and they are not functioning well due to a lack of coordination.

Type of Countermeasures	Current status	Responsible Agency
Publication of hazard maps and DRR educational materials	Unknown	DDM
Disaster preparedness education in school	✓	DoPE/DoEE
Awareness-raising activities on disasters to the public	✓	DDM
DRR awareness-related billboard and signs	✓	DDM/NGOs

5.2 Action Plan in line with the DRR Target (Short-to-mid-term)

This Chapter describes the structures of the Action plan aiming at the achievement of the Vision (see Chapter 4), and Action plans in short to mid-term under the Programs in the upazila.

Vision	Target hazard	Challenges by Hazard		
		Policies	Programs	Target area
The estimated human and economic damages by each disaster are reduced by 50% within 10 years (from 2025 to 2035).	1. Flood: To ensure protection of human lives and properties (livestock) from flooding	1-1. Reduce at least inundation risks of DRR-related facilities and Central city areas	A. Improvement of flood control facilities in some priority areas	Inland areas, areas along rivers
			B. Improvement of drainage facilities in some priority areas	Inland areas
			C. Raising of land area of key facilities/ Relocation to elevation areas	Inland areas, areas along rivers
		1-2. Reduce/minimize damage to at least people and assets by improving evacuation systems and maintaining transportation networks	A. Construction and maintenance (incl. raising lands) of multi-purpose shelters B. Improvement and renovation of major roads, bridges, and culverts for evacuation and emergency operations	Inland areas, areas along rivers, Char areas
		1-3. Ensure early evacuation through warning	A. Development and operation of early warning networks	
	2. River Erosion: To mitigate direct damage to residence and properties against river erosion	2-1. Urgently control the progress of riverbank erosion by emergency measures	A. Introduction of emergency measures (e.g., sandbags) for revetment, and dredging	Areas with recent significant erosion damage along rivers
	3. Earthquake Shaking: To establish a resilient Upazila to withstand earthquakes	3-1. Enhance earthquake resistance	A. Promotion of compliance with the building standard (BNBC 2020)	All areas
			B. Implementation of the seismic diagnosis	All areas
		3-2. Promote earthquake preparedness at home and in the community	A. Awareness raising of earthquake risks and preparedness at home, schools, and communities	All areas

Vision	Target hazard	Challenges by Hazard		
		Policies	Programs	Target area
	4. Lightning: To reduce direct damage to people and livestock caused by lightning strikes	4-1. Promote appropriate response and evacuation for lightning strikes	A. Installation and maintenance of lightning arresters / evacuation shelters for people and livestock	All areas
	5. Drought: To mitigate the impact of drought on people and livestock	5-1. Provide stable water supply for the fields and livestock	A. Expansion and improvement of irrigation facilities (e.g., pumps, well development) / water storage facilities (e.g., reservoir)	All areas
		5-2. Promote drought-resistant crops and agricultural methods	A. Conversion and/or introduction of drought-resistant crops and agricultural methods	All areas
	6. Common: To build communities capable of quick and appropriate disaster response	6-1. Foster human resources and prepare equipment to enable rapid disaster response	A. Implementation of disaster management training and drills	All areas
			B. Preparedness of the materials and equipment for disaster response	All areas
		6-2. Encourage people to prepare for the evacuation and disaster response	A. Provide DRR education and public awareness raising activities	All areas

Figure 5-1. Structure of the Action Plan

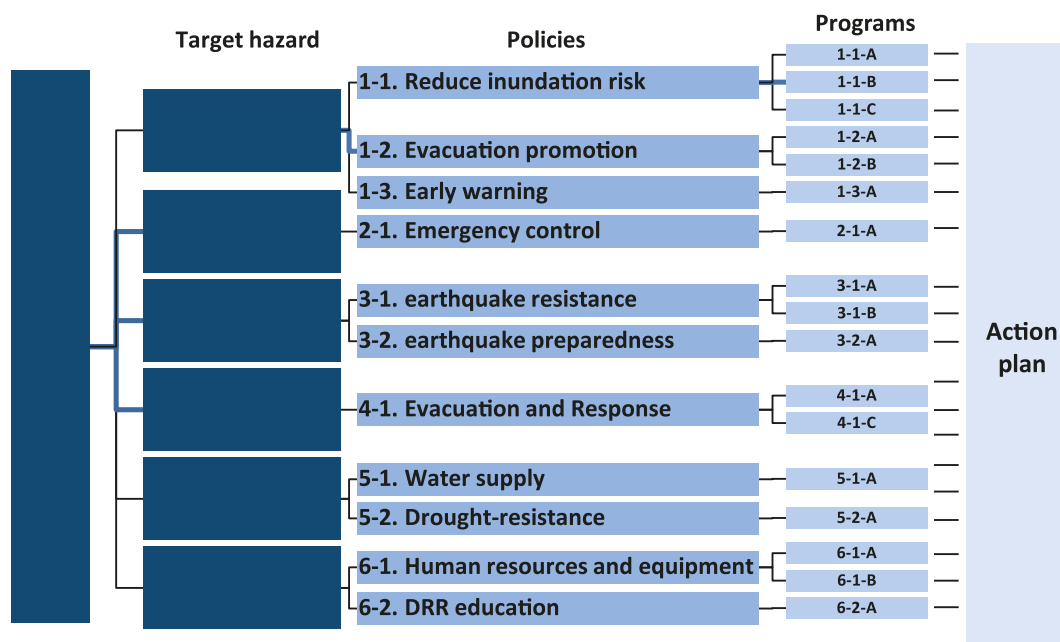


Figure 5-2. Structure of the Action Plan



Figure 5-3. Map of the Action plan for Chilmari Upazila

1. Flood: To ensure protection of human lives and properties from flooding

The target area borders large rivers and is particularly affected by flood damage. Therefore, the challenges for flood hazards are prioritized to minimize human and property damage, as well as to mitigate flood risk and inland waterlogging.

Priority targets in the target area include flood risk reduction, enhanced drainage functions, and human and property damage reduction, including the development of evacuation systems.

Specific measures to reduce flood risks and enhance drainage include the following.

- Improvement of flood control facilities along rivers and in inland areas
- Improvement of drainage facilities in inland areas
- Raising of land area of key facilities

In addition, the following efforts will be prioritized to mitigate human and property damage

- Construction and maintenance of multi-purpose shelters
- Improvement and renovation of major roads, bridges, and culverts for evacuation and emergency operations
- Development and operation of early warning networks

1-1 Reduce at least inundation risks of DRR-related facilities and central city areas

ID	1-1-A			
	Improvement of flood control facilities in some priority areas			
Program	Inland areas, areas along rivers			
Target area	Action	Implementation plan		
		Responsible agency	Ongoing activity/Current status	Actions to be taken
Action and Implementation plan	Action along the Teesta River			
	1) Riverbank protection works on the left bank of the Teesta River [Second priority] Revetment work (13.550 km)	BWDB	DPP has not been submitted.	Securing the fund (4,000 million TK) 6 years
	Action along the Jamuna and Brahmaputra River			
	2) Riverbank protection works on the right bank of Jamuna and Brahmaputra River [First priority] Revetment work from Ranigaji to Ramna (16.2km) (Both in Chilmari and Ulipur)	BWDB	On-going project, Some portion has been completed	Continue the project Completion in 2025
	3) Riverbank protection works on the left bank of Jamuna and Brahmaputra River Protection work from Nayachar to Old Brahmaputra Offtake (17.5 km)	BWDB	DPP has not been submitted.	Securing the fund 6 years
	4) Riverbank protection works on the left bank of Jamuna and Brahmaputra River Protection work from Shaheber Alga BGB Camp to Bolodmari Ghat (13 km)	BWDB	DPP has not been submitted.	Securing the fund 6 years
Remarks	5) Dredging the river on regular basis to maintain Navigation route for national and international (along the Dharla river, Jamuna River and Brahmaputra River) (* This work is not along the river but inside the river)	BIWTA	Regular maintenance work	Securing Regular fund Continuous work
	In Chilmari Upazila, embankment or river protection in the Char area was proposed by the Unions. However, in the Char area, BWDB doesn't have any plans for permanent embankment installation in the Char area because it is out of the BWDB's working scope. Due to some technical or engineering limitations, permanent embankment installation is not considered in the Char Area. Therefore, the local government may take the initiative to install temporary embankments, which are described in Program ID 2-1-A. Along the Tista River, BWDB has the plan to install an embankment and revetment, but there were no proposals from the Unions. Along the Jamuna and Brahmaputra Rivers, BWDB has a plan for a project, as shown above, where the proposals from the Union (IDs AS-R2-1 and NA-F4-9) can be recovered.			

ID	1-1-B				
Program	Improvement of drainage facilities in some priority areas				
Target area	Inland areas				
Action and Implementation plan	Implementation plan				
	Action	Responsible agency	Ongoing activity/Current status	Actions to be taken	Timeframe for achieving the Action
	1) Canal excavation to reduce waterlogging in 3 locations of Raniganj union of Chilmari Upazila	BWDB	Consideration of local needs All the proposed areas are located on private land, and this area has no discharge path	UzSC and UDMC need to find a feasible solution. As a reference for Shalmara low land purpose feasible solution is in Action ID 1-1-B-3.	10 years
	2) Preparation of Master Plan for the drainage system in the city area, Chilmari Upazila (Detailed design)	LGED	No drainage in the central city area	UzSC and UDMC need to prepare a drainage master plan and take necessary measures to improve the drainage system.	10 years
	3) Canal excavation to reduce waterlogging in Raniganj area at Shalmara lowland in Ward no 01 (RAN-W1-1)	DDM	This area has no discharge path	Install new box culverts on Fakirhat Ghat to Achar as a house road DPP enlisting	3 years urgent
Remarks	The actions reflect the Union’s proposal IDs RAN-W1-1, RAN-W2-1, and RAN-W3-1. These proposals are related to canal excavation. To cope with the issues, instead of canal development, DDM proposed action 1 -1-B-3. The above canal excavation proposals are on private land, therefore, the land needs to be acquired by the government. This action will be further considered in the future master plan of LGED. The criteria for selecting projects for the improvement of drainage facilities are : - Technically feasible outfall selection. - Connected or linked with a waterlogging area. - Linked with other primary, secondary and tertiary drain s. Obstacle: BWDB is considering the above canal excavations that were also proposed by unions in Chilmari and Ulipur, however, these countermeasures have not been done yet since most of the proposals are located on private lands.				

ID	1-1-C					
Program	Raising of the land area of key facilities/ Relocation to elevation areas					
Target area	Inland areas, areas along rivers					
	Implementation plan					
	Action	Responsible agency	Ongoing activity/Current status	Actions to be taken	Timeframe for achieving the Action	
		1) Raising the High school fields (AS-F2-13) with school infrastructure development work	DDM+EED	Education activity is ongoing, but it suffers waterlogging	Enlisting DDP	Urgent 3 years
		2) Deep tube well development (Raising the platform of the tube well facilities) (Inland area) to supply safe drinking water in Ramna, Raniganj and Thanahat Union	DPHE	The platform of existing tube wells is vulnerable to flooding. (79 deep tube wells have been inundated during the last flood)	Need detailed design	Urgent 3 years
		3) Improve shallow tube well (Char) to supply safe drinking water	DPHE	Only shallow tube wells are available, In char area, without riverbank protection deep tube well is not possible to be installed.	Riverbank protection so as to be able to install deep tube well	Long term
	4) Improvement of Fakir Hat rural market by land uplifting	LGED	The existing market is on low-lying land and lacks drainage. It is very important economically, but it does not operate during heavy rain and floods.	Improve by Raising the land with drainage facilities	Urgent 3 years	
Remarks	Solution for TH-F5-5 (inundation in the school area in Thanahat) is covered by program ID 1-2-A Solution for TH-W2-1, TH-W3-1 (inundation of the residential area) is not feasible to be addressed due to lack of space Since AS-F5-3 is private institution land, it is out of scope for government agencies. This can be solved by NGOs or local arrangements. AS-F2-13 is a high priority project, since it is in the central city of the Char area and works as a Multi-purpose Shelter while it is vulnerable. Therefore, the timeframe was set within 3 years. IDs NA-F4-8, RAM-F4-11, RAM-F4-6 (sanitation facilities) will be covered by program 1-2-A For IDs AS-F1-8, AS-F2-12, AS-F2-14 (inundation of graveyards), UDMC members may select the specific sections within the proposed graveyard that need to be raised and that will be only used during flooding for burials. All proposed locations are in the Char area, which should be solved by local arrangements					

ID	1-2-A					
Program	Construction and maintenance (incl. raising lands) of multi-purpose shelters					
Target area	Inland areas, areas along rivers, and Char areas					
Action and Implementation plan	Implementation plan				Timeframe for achieving the Action	
	Action	Responsible agency	Ongoing activity/Current status	Actions to be taken		
	1) Multi-purpose Shelter building construction (considering design fit to char) [Priority shelters to be constructed] - Existing High schools and colleges The shelter to be constructed is/ are located at ➤ Notarkandi High School	DDM	Existing schools	Enlisting DPP		5 years
	- Near the Union office in the central city area ➤ Kajol Danga adjacent ➤ Aminul's House Kheya Ghat adjacent ➤ Beside Manik Mia's house in Ward no 2. ➤ Saidur wholesaler's house in Ward no 2 ➤ Behind Bahar Uddin Sachib's house		No Existing infrastructure	Enlisting DPP for Shelter Center preparation		10 years
	2) Upgrading existing shelters (maintenance) (Char) [Priority shelters to be constructed] - Near the Union office in the central city area The shelter to be constructed is/are located at ➤ Shakhahati Shelter Project ➤ Bisharpara Shelter Project ➤ Khowriachor Shelter Project ➤ Khruarchor Shelter Project ➤ Dokhin Owari Shelter Project ➤ Shakhahati-2 Shelter Project ➤ Dokhin Feiska Potropata Shelter Pro ject ➤ Amtola Shelter Project ➤ Khowriachor-2 ➤ Bisharpara-2 ➤ Uttor Korai Borishal ➤ Dhushmara ➤ Chor Feiska Babod Hatia boshe ➤ Chalipara	DDM	Permanent shelters for poor people	Securing the maintenance fund from DDM		5 years

	Action	Implementation plan			Timeframe for achieving the Action
		Responsible agency	Ongoing activity/Current status	Actions to be taken	
	➤ Korai Borishal-2 ➤ Kheruarchor ➤ Dokhin Koraiborishal ➤ Manushmara ➤ Digholkandi				
	3) Multi-purpose Shelter building construction (along the river) [Priority shelters to be constructed] • Existing schools and colleges • Near the Union office in the central city area The shelter to be constructed is/are located at ➤ Chilmari high school ➤ Balabari BL high School	DDM	Existing High schools	Enlisting DPP	10 years
	4) Multi-purpose Shelter building construction (considering design fit to char) (Char) [Priority shelters to be constructed] • Existing Primary schools • Near the Union office in central city area The shelter to be constructed is/are located at ➤ Salipara Govt. Primary School ➤ Kalikapur govt. primary school	LGED	Existing Primary schools with poor structure	Ditto	5 years
	5) New construction of multi-purpose shelters (along the river and inland) [Priority shelters to be constructed] • Existing Primary schools • Near the Union office in central city area The shelter to be constructed is/are located at ➤ Chor Patrokhata Gov. Primary school.	LGED	Existing Primary schools with poor structure	Ditto	5 years
	➤ Mojtartari Govt. Primary school		Existing Primary school Proposed as a school cum shelter	DPP submitted	3 years

	Action	Implementation plan			
		Responsible agency	Ongoing activity/Current status	Actions to be taken	Timeframe for achieving the Action
	6) Extension of existing buildings to be multi-purpose shelters (along the river and inland) [Priority shelters to be constructed] - Existing Primary schools - Near the Union office in central city area The shelter to be constructed is/are located at ➤ Radhaballab Kalir Path Govt Primaty school ➤ Mozaidanga Govt. Primary School ➤ Adhikaripara Govt. Primary School ➤ Balabari hut 2 no Govt. Primary School ➤ Rajarvita Govt. Primary School	LGED	Existing Primary schools	Ditto	10 years
	7) Activate and strengthen the capacity of shelter (school) management committee	DDM supported by NGOs	At this moment, there is no activity.	Provide practical training on shelter maintenance to the committee members with the support of NGOs	Long term
Remarks	Program ID 1-2-A-1 and 1-2-A-4 are reflected in the union proposal for the Char area . In the implementation period of this multipurpose Shelter house, DDM and LGED will consider the Char design. Multi-purpose shelter selection Criteria of priority action are as follows: - Avoid private land - Avoid areas that can be impacted by riverbank erosion - Near the central city area - Existing good infrastructure Multi-purpose shelter construction purpose necessary coordination: - DDM/PIO needs to communicate with EED , which manages colleges and high schools - LGED needs to communicate with EED , which manages primary schools. The total number of affected people by flood was 121,826 in 2020 in Chilmari Upazila according to the D-form. On the other hand, the combined capacity of the shelter houses is currently 10,282 people. Thus, there is a need to increase the capacity of shelter houses by approx. 110,000 people that is accommodated by the plan above .				

ID	1-2-B				
Program	Improvement and renovation of major roads, bridges, and culverts for evacuation and emergency operations				
Target area	Inland areas, areas along rivers, Char areas				
Action and Implementation plan	Implementation plan			Timeframe for achieving the Action	
	Action	Responsible agency	Ongoing activity/Current status		
	1) Establishment of the evacuation routes in the Upazila, including the access route to the shelters near the central city areas and economically important areas (Along rivers and inland areas) [First Priority Roads] - Highway linking C05 to C03 - Highway linking C01 to C02, which is connected to Riverport No.1 - Highway linking C04 to C05, which is connected to Riverport No.2 [Second priority roads] - Road linking Riverport No.3 to C05 - Other economically important roads connected to the waterlogging area [Third priority roads] - Roads in the inundated settlement area which are connected to first and second priority roads	LGED	The condition of roads as evacuation routes is as follows. Rd. 149093002, 149095001, 149095003, and 149092004: good condition, but protection work is not sufficient. Rd. 149093003, 149094019, and 149092009: Need to be rehabilitated Rd. 149092006 and 149092001: Upazila connecting road, protection work is not sufficient Some portion needs to be improved to connect with the Shundulganji Bridge.	DRR consideration in both design and construction, following the “Build Back Better” strategy to be sustainable. ❖ Slope protection or strengthening ❖ Increasing road height ❖ Sufficient water passing structures like bridge, culverts, U-Drain, etc. ❖ Sand Piling or piling for road strengthening ❖ RCC Pavement ❖ Roadside drain ❖ Approach road slope protection	10 years
	2) Establishment of the evacuation facility in the Upazila, including the access route to the shelters near the central city areas and economically important area (along the riverside area outside the BWDB embankment, southern part of Ramna Union) [First priority] Construction of the bridge connected to Ward 9 of Ramna Union Parishad and C05	LGED	The 62m bridge construction is ongoing. The road condition is not good, which is connected to the bridge and C05. Road construction as a second priority, connected to C05 and the BWDB embankment will be	DRR consideration in both design and construction, following the “Build Back Better” strategy to be sustainable.	10 years

	Action	Implementation plan			Timeframe for achieving the Action
		Responsible agency	Ongoing activity/Current status	Actions to be taken	
	[Second priority] - Roads connected to C05 and BWDB embankment [Third priority roads] - Roads in the inundated settlement area and agricultural fields which are connected to first and second priority		realized after the construction of the bridge as the first priority		
	3) Establishment of the evacuation routes in the Upazila, including the access route to the shelters near the central city areas and economically important areas (Along rivers and inland areas) [First priority roads] - Shelter house and central city connecting roads [Second priority roads] - Roads in the inundated settlement area which are connected to the Union roads, developed /paved village roads	DDM	The road type is HBB and Earthen. DDM doesn't have a database regarding road conditions. (*need to develop road database by DDM).	DRR consideration in both design and construction, following the “Build Back Better” strategy to be sustainable.	10 years
	4) Establishment of the roads which connect between boat ports, central city area and shelters (Char area) [First priority roads] - Inside the C06 road [Second priority roads] - Road from existing shelter houses to c/Boat port [Third priority roads] - Existing and proposed shelter houses connecting the road up to the Ghat/boat port and the central city area	DDM	Road type is HBB and Earthen. Road condition is bad.	DRR and Char consideration in both design and construction, following the “Build Back Better” to be sustainable.	5 years
	5) Regular maintenance work of the navigation route in the Jamuna River	BIWTA	No excavation work	Securing O&M budget	Continuous work
	6) Construction of a Light House for the navigation route in the Jamuna River	BIWTA	No existing Light House	Enlisting DPP	3 years

	Action	Implementation plan			Timeframe for achieving the Action
		Responsible agency	Ongoing activity/Current status	Actions to be taken	
Remarks	- LGED ID:149094007, 149094008, 149092001, 149092006, 149093002, 149092004, 149093003, 149095001, 149092002, and all secondary roads, local roads, village roads, and road structures (Bridge, Culvert, Road Protection work, U -drain/ X-Drain) cover the Union's proposals and are listed in the countermeasure list and map. Those have been identified by LGED and DDM officials and proposed for emergency operation. - BIWTA currently faces a lack of space for excavation in the Jamuna River around Chilmari and Ulipur due to the heavy siltation and continuous change of river flow. Although BIWTA has projects on the Dharla River, which is north of Kurigram Sadar, there are no excavation projects around Chilmari and Ulipur except for the maintenance of the national and international navigation route. - Proposals AS-F2-17 and AS-F6-2 (infrastructure improvements to a medical facility) by HDE are important post and during disaster s. For the Char area, HDE can provide Floating Hospitals. - Program 1-2-B-6 was proposed by UzDMC members to enable smoother evacuation during dense fog, heavy rain and also night navigation. - The FSCD proposal for emergency response purposes is that priority roads, which have been chosen as evacuation routes, have some roads, especially on curved sections of the road, that need to be widened for the rapid movement of rescue vehicles.				

1-3 Ensure early evacuation through warning

ID	1-3-A				
Program	Development and operation of early warning networks				
Target area	All areas				
Action and Implementation plan	Action	Responsible agency	Ongoing activity/Current status	Implementation plan	
				Actions to be taken	Timeframe for achieving the Action
				- Develop a mobile app for multi-hazard purposes, connected with an automatic information system to be able to provide flood warnings to the public. - Establish a community-based early warning message dissemination system by volunteers, including the use of technology (e.g., WhatsApp) and local communication networks with the support of local government and NGO. - Provide necessary training and materials to volunteers - Install community-readable flood markers in the key locations with the support of NGOs	Urgent
Remarks	1) The flood early warning system based on FFWC information is strengthened - Establish or reactivate a community-led disaster early warning system - Capacitate disaster volunteers by providing training and materials	DDM	Toll-free phone call No mobile app	Need to procure at least 6 boats and one pick-up for the whole Upazila	Urgent
	2) Equip early warning materials to be able to assist UDMC	DDM	No boats and vehicles Arranged by hiring them		
For 1), No demand from the Union Parishads, but proposed by DDM For 2), Proposed by DDM					

2. River Erosion: To mitigate direct damage to residence and properties against river erosion

This area is located upstream of the confluence of the Teesta and Jamuna Rivers and has been severely affected by large-scale river channel transitions and riverbank erosion. As risk reduction measures, emergency measures against riverbank erosion and dredging to control the erosion progression in the affected areas and the central city areas are important challenges.

In addition, revetment and channel rehabilitation to reduce the risk of erosion along the river are also important efforts in the area.

Specific measures include the introduction of emergency measures for revetment and dredging. Through these measures, flood damage will be reduced.

2-1 Urgently control the progress of riverbank erosion by emergency measures

ID	2-1-A					
Program	Introduction of emergency measures (e.g., sandbags) for revetment, and dredging					
Target area	Areas with recent significant erosion damage along rivers					
Action and Implementation plan	Implementation plan				Timeframe for achieving the Action	
	Action	Responsible agency	Ongoing activity/Current status	Actions to be taken		
	1) Placing Sandbags/Geo-bags as an emergency operation to ease the impact of riverbank erosion,	BWDB	Ongoing Activity by O&M budget in Kurigram district, but no activity in Chilmari Upazila	Securing budget		Continuous work
	2) Protection Work for river erosion in the Char area by Sandbags/Geo-bags	Local Government Agency, LGED and DDM	No regular activities	Securing budget		Continuous work
Remarks	Program 1-1-A for the Jamna riverbank contributes to preventing riverbank erosion to some extent. Program 2-1-A-2 reflects union proposals that are related to the embankment or protection works at the Char area. Reflecting to the Union's proposal ID NA-R1-1, NA-R1-2, NA-R2-1, CH-R1-1, CH-R2-1, AS-R1-1, AS-R2-1, AS-R1-3, RAN-R1-1, NA-F4-10. DDM and LGED have proposed budget allocation to the upazila -level offices to provide emergency support to prevent erosion by installing temporary protection.					

3. Earthquake Shaking: To establish a resilient Upazila to withstand earthquakes

The risk of earthquake shaking disasters is a common issue in all areas. It is important to strengthen the earthquake resistance of buildings and infrastructure against earthquakes, as well as to raise awareness and understanding of earthquake risk and preparedness in local communities.

Specific measures to strengthen earthquake resistance include promoting compliance with building standards and seismic diagnostics.

In addition, to promote earthquake preparedness in local communities, priority is given to implementing projects aimed at raising awareness of earthquake risk and earthquake preparedness among households, schools, and local communities.

4. Lightning: To reduce direct damage to people and livestock caused by lightning strikes

The risk of lightning disasters is common throughout the target area. Mitigating the impact on human lives and livestock is an important issue, requiring the installation of lightning arresters and the implementation of awareness-raising activities.

As countermeasures against lightning disasters, priority is given to the protection of human lives and livestock through the installation and maintenance of lightning arresters and shelters within the union, as well as the implementation of educational programs on how to evacuate in case of lightning damage within union and what to do in the event of a lightning strike.

5. Drought: To mitigate the impact of drought on people and livestock

The risk of drought disasters is a common challenge throughout the area. A stable water supply for fields and livestock is a key issue.

Priority measures include expanding and improving irrigation and water storage facilities, shifting to drought-resistant crops, and promoting changes in agricultural practices.

Specific initiatives include the development of irrigation capacity in the Char areas and inland areas to mitigate economic losses due to drought, the development of deep wells and supply networks in rural and urban areas of Upazila to ensure a safe drinking water supply, and conversion projects to drought-resistant crops and agricultural methods

6. Common: To build communities capable of quick and appropriate disaster response

In common with risks from all disaster types, human resource development, disaster risk reduction education, and public awareness raising are important issues for disaster risk reduction.

To enable rapid disaster response, it is necessary to develop specialized human resources through the provision of materials and equipment, and disaster risk reduction training.

In addition, to ensure that citizens of all ages and genders have an appropriate understanding of disaster risks and prepare to take evacuation actions and respond to disasters appropriately, priority should be given to disaster risk reduction education and the implementation of training programs aimed at raising public awareness.

3. Earthquake Shaking: To establish a resilient Upazila to withstand earthquakes

3-1. Enhance earthquake resistance

ID	3-1-A				
Program	A. Promotion of compliance with the building standard (BNBC 2020)				
Target area	All areas				
Action and Implementation plan	Action	Implementation plan			Timeframe for achieving the Action
		Responsible agency	Ongoing activity/Current status	Actions to be taken	
	Promotion of compliance with the building standard (BNBC 2020) - Training program - Evaluation & Monitoring	PWD	No project for promotion against earthquakes by the line-agencies and communities so far	To develop a promotion program	10 years
Remarks	No proposal from the Union Parishads and line agencies				

ID	3-1-B				
Program	B. Implementation of the seismic diagnosis				
Target area	All areas				
Action and Implementation plan	Action	Implementation plan			Timeframe for achieving the Action
		Responsible agency	Ongoing activity/Current status	Actions to be taken	
	Implementation of the seismic diagnosis and infrastructure retrofitting	PWD/LGIs	No project for seismic diagnosis by the line ministries and communities	To develop a diagnosis plan by PWD, including a training program, and diagnosis retrofitting, implementation plan	10 years
Remarks	No proposal from the Union Parishads Identification and retrofitting of existing important facilities based on seismic diagnosis are required for schools, hospitals, shelters, and infrastructure such as bridges, roads, embankments/dykes for saving lives and evacuation during and after the earthquakes.				

3-2 Promote earthquake preparedness at home and in the community

ID	3-2-A				
Program	A. Awareness raising of earthquake risks and preparedness at home, schools, and communities				
Target area	All areas				
Action and Implementation plan	Implementation plan				Timeframe for achieving the Action
	Action	Responsible agency	Ongoing activity/Current status	Actions to be taken	
	Awareness raising for earthquake preparedness in all Unions	DDM	No program	Awareness-raising activity program and contents must be prepared	Long term project., 10 years
Remarks	No proposal from the Union Parishads, proposed by DDM - Awareness raising program for the people of the Paurashava and Union on the construction of earthquake-resilient infrastructure. - Awareness raising program for BCC, Upazila, and Paurashava Building Approval Committee, regarding ensuring the Building Code, different acts, and rules by capacity building of the code enforcement committee.				

4. Lightning: To reduce direct damage to people and livestock caused by lightning strikes

4-1 Promote appropriate response and evacuation for lightning strikes

ID	4-1-A				
Program	Installation and maintenance of lightning arresters / evacuation shelters for people and livestock				
Target area	All areas				
Action and Implementation plan	Implementation plan				Timeframe for achieving the Action
	Action	Responsible agency	Ongoing activity/Current status	Actions to be taken	
	1) Install lightning arrester in all Unions	DDM	No arresters	Install in the existing shelters, Based on the capacity, install them in all unions	10 years
	2) Construction of lightning -safe shelters for farmers	DDM	No Shelter	Prepare a typical economic design and drawings considering less use of agricultural land, which can be implemented by NGOs/CBOs/Local Government Agencies with technical assistance from DDM.	3 years
Remarks	Proposal by DDM in respect of the union proposals - Based on the capacity parameters of the lightning arrester device need to fix the installation location in each area. - Categorical tree plantation with the consideration of all potential hazards by the Ministry of Environment, NGO, LGIs				

5. Drought: To mitigate the impact of drought on people and livestock

5-1 Provide stable water supply for the fields and livestock

ID	5-1				
Program	Expansion and improvement of irrigation facilities/water storage facilities (e.g., reservoir)				
Target area	All areas				
Action and Implementation plan	Implementation plan				
	Action	Responsible agency	Ongoing activity/Current status	Actions to be taken	Timeframe for achieving the Action
	1) Irrigation capacity development to reduce the economic loss from drought in the Char area	BADC	20 solar pumps have been installed	Fund request to provide 120 Solar pumps for the Char area of Chilmari, along with Ulipur Upazila	5 years
	2) Irrigation capacity development in the Char area	BADC	Fixed pumps are installed	- Procure the portable solar pumps - Provide portable & solar pumps to avoid riverbank erosion in the Char area, as well as coping with the electric shortages to reduce the economic loss from drought	5 years
	3) Irrigation capacity development to reduce the economic loss from drought in the Inland area	BADC	Surface and groundwater management Irrigation System Modernization	Securing O&M budget	Continuous work
	4) Construction of a Sluice gate for reducing economic losses by supporting irrigation	LGED	Surface water management Irrigation System Modernization	Securing budget	5 years
Remarks	Programs 5-1-1 and 5-1-2 were proposed by BADC, instead of the union parishads of the Char areas. Program 5-1-3 was proposed by BADC. There was no proposal from the union. Countermeasure to reflect the Union’s proposal ID CH-F5-1 and CH-F6-1 is the sluice gate infrastructure shown as the above Action 4). Based on the discussion with the line agencies, the construction criteria for these sluice gates match with the LGED work from e.				

5-2 Promote drought-resistant crops and agricultural methods

ID	5-2-A				
Program	Conversion and/or introduction of the drought-resistant crops and agricultural methods				
Target area	All areas				
Action and Implementation plan	Action	Implementation plan			Timeframe for achieving the Action
		Responsible agency	Ongoing activity/Current status	Actions to be taken	
	Conversion and/or introduction of drought-resistant crops and agricultural methods	BADC	Already introduced	Enlarge the project scale to all areas in Upazila	Continuous work
Remarks	Proposed by BADC not union parishads				

6. Common: To build communities capable of quick and appropriate disaster response

6-1. Foster human resources and prepare equipment to enable rapid disaster response

ID	6-1-A				
Program	A. Implementation of disaster management training and drills				
Target area	All areas				
Action and Implementation plan	Action	Implementation plan			Timeframe for achieving the Action
		Responsible agency	Ongoing activity/Current status	Actions to be taken	
	Formulation of a training program	DDM	NGOs have some programs	Identify and discuss with the NGOs to formulate a program	10 years, continuously
Remarks	Proposed by DDM, no proposal from Unions				

ID	6-1-B				
Program	Preparedness of the materials and equipment for disaster response				
Target area	All areas				
Action and Implementation plan	Action	Implementation plan			
		Responsible agency	Ongoing activity/Current status	Actions to be taken	Timeframe for achieving the Action
		DDM	NGOs have some materials	Need to consider formulating some programs	10 years, continuously
	Formulation of procurement program				
	Public and community sanitation promotion program	DPHE	Projects by DPHE are going on.	Install drinking water facilities and wash facilities at primary schools Secure budget	10 years, continuously
Remarks	No proposals from Unions				

6-2. Encourage people to prepare for the evacuation and disaster response

ID	6-2-A				
Program	A. Provide DRR education and public awareness raising activities				
Target area	All areas				
Action and Implementation plan	Action	Implementation plan			
		Responsible agency	Ongoing activity/Current status	Actions to be taken	Timeframe for achieving the Action
		DDM	NGOs have some activities	Identify and discuss with the NGOs that provide DRR education and public awareness training activities to formulate a program	10 years, continuously
	Formulation of DRR education program				
Remarks	No proposals from Unions				

5.3 Monitoring and Updating of the Plan

For appropriate implementation of the projects by project implementing agencies, this plan is to be monitored and updated by UzDMC and DDMC, with the support of DDM and the Focal Point Operational Coordination Group (FPOCG; a group to advise coordination of DMC activities and provide recommendations for future actions at the central level, defined in SoD), in the following steps.

Step 1: Monthly Monitoring by UzDMC

The UzDMC reviews the status of each Action in Chapter 5.2 in the monthly Upazila Development Coordination Meeting, specifically “Ongoing activity/Current status”, with reference to the typical steps of the project implementation below, and report it to DDMC. Findings are recorded and shared with DDMC.

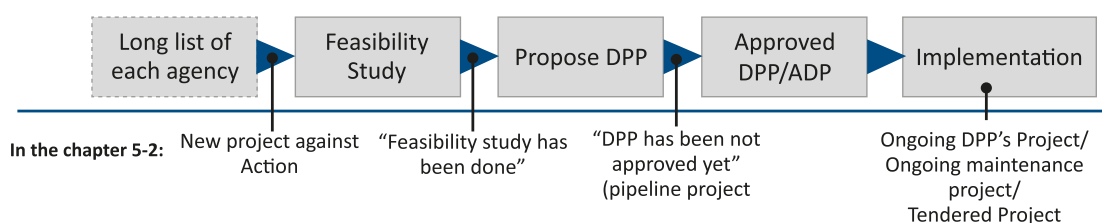


Figure 5-3. Typical Steps for reviewing the Current Implementation Status⁹

Notes:

The figure above illustrates typical steps for structural countermeasures like roads and embankments. However, the exact project flow varies significantly depending on the specific project's requirements. Consequently, this general flow won't always be directly applicable to every situation.

Step 2: Consolidation by DDMC

DDMC compiles reports from UzDMCs, summarizes progress and key issues through a Monthly Development Coordination Meeting of the District, and prepares and submits a brief to DDM. DDM then compiles the reports, summarizes the progress and gaps in project implementation, and organizes information for discussion in FPOCG.

Step 3: Quarterly FPOCG Review and Coordination

FPOCG reviews and discusses the DDMC’s inputs presented by DDM.

This discussion includes:

- Highlighting projects facing delays in DPP processing
- Identifying coordination needs (e.g., between road improvement and drainage system design)
- Notifying relevant stakeholders about missing feasibility studies or land acquisition issues as well as their budgets

⁹ **Ongoing DPP’s Project/Tendered Project:** Those projects/Schemes are listed in DPP. Project funds come from ADP/Annual Budget/development partners. This type of project requires F/S and DPP approval. "Ongoing" in this context refers to projects that are currently in the implementation stage or have completed the tendering process.

Ongoing Maintenance Project: These projects or schemes are included in a specific maintenance list and receive annual approval as part of the Annual Development Plan (ADP). Unlike DPP projects, these do not require a Feasibility Study.

Step 4: Information Sharing and Dialogue

FPOCG shares the discussion results with MoDMR, implementing agencies, specifically their respective planning units, for taking necessary actions for implementation by them. Feedback is also provided to DDMCs, who are encouraged to follow up with UzDMCs and local line agencies.

Step 5: Recommendation to Review the Plan

If significant issues or changes are identified, DDM recommends DDMC to suggest reviewing the plan, based on the discussion in FPOCG. DDMC informs UzDMC for further action.

Step 6: Plan Updating and Documentation

UzDMC updates this UzDRRAP if needed, with DDMC validation. Updates are shared with DDM and FPOCG for record and continued monitoring.

The conceptual model for monitoring and updating this plan is shown below.

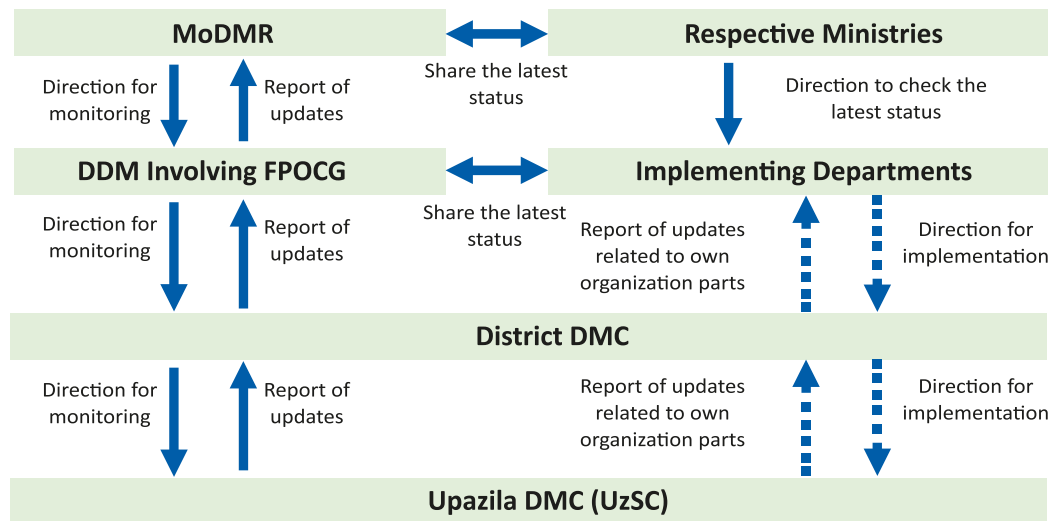


Figure 5-4. Conceptual diagram for monitoring and updating the plan

Attachment 1: Proposed Countermeasures List [Linked with (Chapter 5.2) Action Plan]

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
1-1-Reduce inundation risks of DRR-related facilities and central city areas										
ID: 1-1-A Program: Improvement of flood control facilities in some priority areas										
BWDB projects: Embankment										
Chilmari	BWDB		17.5 km river protection work from Nayachar to Old Brahmaputra Offtake	River Erosion	Embankment	New construction	Ashtamir Char	Prevention of River Erosion	From Dhusmara Thana to Folia Char Khya Ghat	These projects are in line with the BWDB plan and will cover all the upazilas as per the BWDB survey. Due to some limitations, BWDB doesn't have any program in Char Area to install permanent embankments. Which reflecting the 1-1-A-1,2,3 and 4 of Action Plan.
Chilmari	BWDB		13 km river protection work from Shaheer Alga BGB Camp to Bobdmari Ghat	Flood	Embankment	New construction	Nayerhat	Prevention of inundation during flood	On Brahmaputra river bank at Dokhin-Purbo side	
Chilmari	BWDB		2.3 km Revetment Work from Current Bazar to Danggar Char, Horipur, Gaibandha District	Flood	Embankment	New construction	Ramna	Reducing water logging during rain and flood	From Current Bazar to Danggar Char	
Chilmari	BWDB		Revetment work from Raniganj to Ramna	Flood	Embankment	New construction	Raniganj, Thanahut, and Ramna	Reducing water logging during rain and flood	Revetment work from Rangaji to Ramna 16.2km	
ID: 1-1-B Program: Improvement of drainage facilities in some priority areas										
BWDB projects : Canal Excavation										
Chilmari	BWDB		Canal excavation at Shalmara low land in wardno 01	Waterlogging	Canal Excavation	New construction	Raniganj	Prevention of waterlogging as drains during rain and flood	At Shalmara low land	All the proposals are related to drainage facilities and the criteria matched the BWDB organogram but BWDB refused to work there due to land availability. UzSC proposed to include it in the drainage master plan. Which reflecting the 1-1-B- 1 and 3 of Action Plan.
Chilmari	BWDB		Canal excavation at Fakirerhut low land in wardno 01	Waterlogging	Canal Excavation	New construction	Raniganj	Prevention of waterlogging as drains during rain and flood	At Fakirerhut low land	
Chilmari	BWDB		Canal excavation at Soul dukhri's Field low land in wardno 01	Waterlogging	Canal Excavation	New construction	Raniganj	Prevention of waterlogging as drains during rain and flood	At Soul dukhri's Field low land	
LGED projects : Drain										
Chilmari	LGED		Construction of Drain from Union Parishad Bazar to Panel Chairman's House (Ward-02)	Waterlogging	Drain	New construction	Ashtamir Char	Reducing waterlogging and Improving drainage facility	From Union Parishad Bazar to Panel Chairman's House	UzSC proposed to include it in the drainage master plan. Which reflecting the 1-1-B- 2 of Action Plan.
Chilmari	LGED		Improvement of drain adjacent to Fakirer Hat Market	Waterlogging	Drain	New Construction	Raniganj	Prevention of waterlogging during rain and flood	2 no. ward, adjacent to Fakirer Hat Market	
Chilmari	LGED		Construction of drain adjacent to Thanahat Bazar to ease of movement in the market during waterlogging situation	Waterlogging	Drain	New Construction	Thanahat	Prevention of waterlogging during rain and flood	Adjacent to Thanahat Bazar	
ID: 1-1-C Program: Raising of land area of key facilities/ Relocation to elevation areas										
DDM/ EED project										
Chilmari	DDM/ EED		Improve by Upliftment of the Notarkandi High school field with soil. ward no 2	Flood	Land elevation	New construction	Ashtamir Char	Prevention of school area inundation during flood	At the Notarkandi High school field	This project reflects the 1-1-C- 1 of the Action Plan.

Attachment 1-1

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
LGED/EED project										
Chilmari	LGED / EED		Improve by Upliftment of Rajavita Nayerhat Govt. primary school ward no 5	Flood	Land elevation	New construction	Thanahat	Prevention of school area inundation during flood		The shelter project has covered this project, which reflects the 1- 2A- 6 of the Action Plan.
Chilmari	LGED		Improvement of Fakir Hat rural market by land uplifting	Waterlogging	Rural Market	Upliftment	Raniganj	Keeping markets open during floods *To ensure the market remains open during waterlogging caused by floods or heavy rains.	2 no. ward, Fakir Hat Market	This market is economically very important. So, the improvement of the market with drainage facilities is very essential, which reflects the 1-1-C of the Action Plan.
DDM project										
Chilmari	DDM		Improve by Upliftment of the Uchavita Gram's Govt. Cluster village	Waterlogging	Land elevation	New construction	Thanahat	Prevention of house area inundation during rain	At Uchavita Gram's Govt. Cluster village	This projects reflects the 1-1-C of the Action Plan.
Chilmari	DDM		Improve by Upliftment of the Mondopara Talpara Gram's Govt. Cluster village	Waterlogging	Land elevation	New construction	Thanahat	Prevention of house area inundation during rain	Mondopara Talpara Gram's Govt. Cluster	
DPHE project										
Chilmari	DPHE		Installation a deep tube at Uttar Datapara Hamius Sunnah Nurani Madrasa	Flood	Deep-tube-well	New construction	Ashtamir Char	Provision of irrigation and drinking water during pre and post disaster	At Uttar Datapara Hamius Sunnah Nurani Madrasa	As per DPHE upazila official confirmation, Raniganj and Thanahat union also vulnerable. All proposal reflects the 1-1-C- 2 and 3 of the Action Plan.
Chilmari	DPHE		Installation of deep tube-well for drinking water purpose at Char Udrna Govt. Primary School	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Char Udrna Govt. Primary School	
Chilmari	DPHE		Installation of deep tube-well for drinking water purpose at Baislu Kajol danga Frindsip Primary School adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Baislu Kajol danga Frindsip Primary School adjacent	
Chilmari	DPHE		Installation of one deep tube-well for drinking water purpose at Nayerhat Union Health and Family Hospital adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Nayerhat Union Health and Family Hospital adjacent	
Chilmari	DPHE		Installation of two deep tube wells at Nayerhat Union Health and Family Hospital adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Nayerhat Union Health and Family Hospital adjacent	
Chilmari	DPHE		Installation of two deep tube-wells for drinking water purpose at Mongolbari Jame Mosque adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Mongolbari Jame Mosque adjacent	
Chilmari	DPHE		Installation of deep tube well for drinking water purpose at Momotajul's House adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Momotajul's House adjacent	
Chilmari	DPHE		Installation of deep tube well for drinking water purpose at Khnuar Char Kheya Ghat adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Khnuar Char Kheya Ghat adjacent	
Chilmari	DPHE		Installation of one deep tube well for drinking water purpose at Saydur's house 3no. Electrict Piller adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Saydur's house 3no. Electrict Piller adjacent	
Chilmari	DPHE		Installation of two deep tube wells for drinking water purpose at Saydur's house 3no. Electrict Piller adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Saydur's house 3no. Electrict Piller adjacent	
Chilmari	DPHE		Installation of deep tube well for drinking water purpose at Kherua Char Bir Mukijjoddha High School adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Kherua Char Bir Mukijjoddha High School adjacent	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Areas of the countermeasures	Remarks
Chilmari	DPHE		Installation of deep tube well for drinking water purpose at Sorkar para jame Mosque adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Sorkar para jame Mosque adjacent	
Chilmari	DPHE		Installation of deep tube well for drinking water purpose at Tarek's house adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Tarek's house adjacent	
Chilmari	DPHE		Installation of deep tube well for drinking water purpose at G.P.G Primary school adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At G.P.G Primary school adjacent	
Chilmari	DPHE		Installation of deep tube well for drinking water purpose at Bokor's house adjacent	Drought	Deep-tube-well	New construction	Nayerhat	Provision of irrigation and drinking water during drought	At Bokor's house adjacent	
Chilmari	DPHE		Improvement of sanitation facilities on Word no.1 of Ramna Union	Drought	Deep-tube-well	New construction	Ramna	Provision of irrigation and drinking water during drought	At Ward Number 01	
Chilmari	DPHE		Improvement of sanitation facilities on Word no.3 of Ramna Union	Drought	Deep-tube-well	New construction	Ramna	Provision of irrigation and drinking water during drought	At Ward Number 03	
Chilmari	DPHE		Installation of Deep tube well adjacent to Chilmari pre cadet madrasah.	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	Adjacent to Chilmari pre cadet madrasah.	
Chilmari	DPHE		Installation of Deep tube well adjacent to Babu's house in ward number 3.	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	Adjacent to Babu's house	
Chilmari	DPHE		Installation of Deep tube well adjacent to Motiar's house in ward number 3	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	Adjacent to Motiar's house.	
Chilmari	DPHE		Installation of Deep tube well adjacent to Bablu's house in ward number 3	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	Adjacent to Bablu's house.	
Chilmari	DPHE		Installation of Deep tube well at Arif's store in ward number 4	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	At Arif's store	
Chilmari	DPHE		Installation of Deep tube well at Bert badh site madrasah in ward number 4	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	At Bert badh site madrasah.	
Chilmari	DPHE		Installation of Deep tube well adjacent to Mudabothana Gov. Primary school in ward number 4	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	Adjacent to Mudabothana Gov. Primary school	
Chilmari	DPHE		Installation of Deep tube well at Ghat mondir in ward number 4	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	At Ghat mondir	
Chilmari	DPHE		Installation of Deep tube well at Jorgac Bazar in ward number 4	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	At Jorgac Bazar	
Chilmari	DPHE		Installation of Deep tube well at Chor Patrokhata Eidgah math in ward number 9	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	At Chor Patrokhata Eidgah math	
Chilmari	DPHE		Installation of Deep tube well adjacent to Chor Patrokhata Gov. Primary school in ward number 9	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	Adjacent to Chor Patrokhata Gov. Primary school.	
Chilmari	DPHE		Installation of Deep tube well at Chor Patrokhata Gov. Primary school in ward number 9	Flood	Deep-tube-well	New construction	Ramna	Provision of drinking water during Flood	At Chor Patrokhata Gov. Primary school.	

DPHE project :Sanitation Facilities

Chilmari	DPHE		Improvement of sanitation facilities on Word no.6 of Nayerhat Union	Flood	Sanitation Facilities	New construction	Nayerhat	Providing sanitation facilities during disaster	At Word no.6	The Proposals are not directly related to DRR. This proposal is in Char Area, so by the implementation of this proposal Char areas people will use it during floods.
Chilmari	DPHE		Improvement of Sanitation Facilities adjacent to Jorgac Bazar Ghat mondir of Ramna	Flood	Sanitation Facilities	New construction	Ramna	Providing sanitation facilities during disaster	At adjacent to Jorgac Bazar Ghat mondir.	
Chilmari	DPHE		Improvement of Sanitation Facilities adjacent to Jorgac Bazar of Ramna Union	Flood	Sanitation Facilities	New construction	Ramna	Providing sanitation facilities during disaster	At adjacent to Jorgac Bazar.	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/ Areas of the countermeasures	Remarks
DDM projects :Graveyard										
Chilmari	DDM		Improve by Upliftment of the graveyard to bury dead people behind Azizul haque's	Flood	Graveyard	New construction	Ashtamir Char	Keeping graveyards usable during floods	At behind Azizul haque's house	The Proposals are not directly related to DRR. This proposal is in Char Area, so by the implementation of this proposal Char areas people will use it
Chilmari	DDM		Improve by Upliftment of a graveyard to bury dead people besides Hazibara market ward	Flood	Graveyard	New construction	Ashtamir Char	Keeping graveyards usable during floods	At besides Hazipara market	
Chilmari	DDM		Improve by Upliftment of the graveyard to bury dead people besides Ashtamirchar	Flood	Graveyard	New construction	Ashtamir Char	Keeping graveyards usable during floods	At besides Ashtamirchar Union	
ID : 1-2-A, Program : Construction and maintenance (incl. raising lands) of multi-purpose shelters										
DDM projects :Shelter										
Chilmari	DDM		Construction of a Flood shelter center at Saidur wholesaler's house ward no 2	Flood	Shelter	New construction	Ashtamir Char	Improving accommodation facilities during the disaster	At Saidur wholesaler's house ward no 2	All proposal reflects the 1-2-A- 1,2 and 3 of the Action Plan.
Chilmari	DDM		Construction of a Flood shelter center at beside Manik Mia's house ward no 2.	Flood	Shelter	New construction	Ashtamir Char	Improving accommodation facilities during the disaster	At beside Manik Mia's house ward no 2.	
Chilmari	DDM		Construction of multipurpose flood Shelter at Notarkandi High School	Flood	Shelter	New construction	Ashtamir Char	Improving accommodation facilities during the disaster	At SAT Notarkandi High School	
Chilmari	DDM		Construction of a Flood shelter center at behind Bahar Uddin Sachib's house	Flood	Shelter	New construction	Ashtamir Char	Improving accommodation facilities during the disaster	At behind Bahar Uddin Sachib's house	
Chilmari	DDM		Construction of a shelter house at Kajol Danga adjacent	Flood	Shelter	New construction	Nayerhat	Improving accommodation facilities during the disaster	At Kajol Danga adjacent	
Chilmari	DDM		Construction of a shelter house at Aminul's House Kheya Ghat adjacent	Flood	Shelter	New construction	Nayerhat	Improving accommodation facilities during the disaster	At Aminul's House Kheya Ghat adjacent	
Chilmari	DDM		Construction of multipurpose flood Shelter at Chilmari high school.	Flood	Shelter	New construction	Ramna	Improving accommodation facilities during the disaster	At Chilmari high school.	
Chilmari	DDM		Construction of a shelter center at At Ward - 02	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Ward -02	
Chilmari	DDM		Construction of multipurpose flood Shelter at Adhikaripara Govt. Primary School	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Adhikaripara Govt. Primary School	
LGED projects :Shelter										
Chilmari	LGED		Construction of multipurpose flood Shelter at Kalkapur govt. primary school for shelter	Flood	Shelter	Rehabilitation	Ashtamir Char	Improving accommodation facilities during the disaster	At Kalkapur govt. primary school for shelter	All proposal reflects the 1-2-A- 4,5 and 6 of the Action Plan.
Chilmari	LGED		Construction of multipurpose flood Shelter at Salipara Govt. Primary School	Flood	Shelter	New construction	Ashtamir Char	Improving accommodation facilities during the disaster	At Salipara Govt. Primary School	
Chilmari	LGED		Construction of multipurpose flood Shelter at Chor Patrokhata Gov. Primary school.	Flood	Shelter	New construction	Ramna	Improving accommodation facilities during the disaster	At Chor Patrokhata Gov. Primary school.	
Chilmari	LGED		Construction of a shelter center at Adjacent to Madan Mahan Government Primary School	Flood	Shelter	New Construction	Raniganj	Improving accommodation facilities during the disaster	Adjacent to Madan Mahan Government Primary School	
Chilmari	LGED		Construction of multipurpose flood Shelter at Mojartari Govt. Primary school	Flood	Shelter	New construction	Raniganj	Improving accommodation facilities during the disaster	At Mojartari Govt. Primary school	
Chilmari	LGED		Construction of multipurpose flood Shelter at Radhaballab Kalir Path Govt Primary school	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Radhaballab Kalir Path Govt Primary school	
Chilmari	LGED		Construction of multipurpose flood Shelter at Balabari hut 2 no Govt. Primary School	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Balabari hut 2 no Govt. Primary School	
Chilmari	LGED		Construction of multipurpose flood Shelter at Balabari BL high School	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Balabari BL high School	
Chilmari	LGED		Construction of multipurpose flood Shelter at Mozaidanga Govt. Primary School	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Mozaidanga Govt. Primary School	
Chilmari	LGED		Construction of multipurpose flood Shelter at Rajarvita Govt. Primary School	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Rajarvita Govt. Primary School and Madrashe	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
ID: 1-2-B Program: Improvement and renovation of major roads, bridges, and culvert for evacuation and emergency operations										
LGED projects : Roads										
Chilmari	LGED	149033002	K.C road at Thanahat UP office-Balabarihat via Kajaldanga hat	Flood	Road	Rhabilitation		Evacuation and emergency operations		This proposals are selected as an evacuation route in the Upazila, including the access route to the shelters near the central city areas and economically important areas (Along rivers and inland areas) and these are the First Priority Roads, Which reflecting the 1-2- B-1 and 2 of Action Plan.
Chilmari	LGED	149035001	Digendranath house to pulimari kazoldanga mouza road.	Flood	Road	Rhabilitation		Evacuation and emergency operations		
Chilmari	LGED	149035003	BWDB embankment-Jilpur-Fakierhat road.	Flood	Road	Rhabilitation		Evacuation and emergency operations		
Chilmari	LGED	149032004	Thanahat GC near Ramna Raliation-Fakierhat Via Ranigoni GC	Flood	Road	Rhabilitation		Evacuation and emergency operations		
Chilmari	LGED	149033003	Thanahat UP office at Gabtola to Ranigoni UPC.	Flood	Road	Rhabilitation		Evacuation and emergency operations		
Chilmari	LGED	149032006	Chilmari Upazilla HQ-Laxmipur GC road(Chilmari portion).	Flood	Road	Rhabilitation		Evacuation and emergency operations		
Chilmari	LGED	149032001	Thana hat GC-Bozra GC road.	Flood	Road	Rhabilitation		Evacuation and emergency operations		
Chilmari	LGED	149034019	Kharkaria Sluice gate-Madirapara Mondolerhat road	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Wahed's house to Asraf's house	
Chilmari	LGED	149034002	Belervita Hindupara-Ramna BDR camp.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Esadul's store to Manik master's house.	This proposals are selected as Second and Third priority roads. Which reflecting the 1-2-B-1 and 2 of Action Plan.
Chilmari	LGED	149034012	Thanahat-Jorgach R&H at Nachamore via Joargach bazar	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Nosor's uddin more to Irtis's house.	
Chilmari	LGED	149034012	Thanahat-Jorgach R&H at Nachamore via Joargach bazar	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Mojid member house to Horner bone bridge.	This proposals are selected as Second and Third priority roads. Which reflecting the 1-2-B-1 and 2 of Action Plan.
Chilmari	LGED	149035052	Tell para Charkhar kharia GPS-Khar kharia 1 no GPS	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Tell para jame mosque to Samsul Haque BSC technical College.	
Chilmari	LGED	149035051	Sharifer Hat Bepari para Eidgao Road -Char patro Khata Via Opu Chairman House	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Mali's house to Tista river.	This proposals are selected as Second and Third priority roads. Which reflecting the 1-2-B-1 and 2 of Action Plan.
Chilmari	LGED	149035002	Kisamat radhabolloy at Majhipara-embankment at Bakultala.	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Beparibazar Chinu doctor's house to 1 no Kalirpath Govt. Primary School	
Chilmari	LGED	149035010	Mojaldanga GPS to Santullah's.	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Kismatbanu khamar Jame Mosque to Jahedul's house	This proposals are selected as Second and Third priority roads. Which reflecting the 1-2-B-1 and 2 of Action Plan.
Chilmari	LGED	149034029	Thanahat Fakihat pacca Rd-KC road via Shaheb ali house.	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Kismatbanu khamar Jame Mosque to Abul Moulvi's House	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	LGED	149093006	Thanahat UP office at Balabarhat R&H road to Tabakpur office	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Lufar Rahman's house to Saidul member's house	
Chilmari	LGED	149095010	Mejaldanga GPS to Saritulan's	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Anzad Master's house (Jigapara) to Baganbari	
Chilmari	LGED	149095007	BWDB embankment-River ghat via Noushewar dola	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Telpara Govt. Primary School to Fokirer Vita	
Chilmari	LGED	149095033	Thanahat Forestry office-Rajavita via Mondalpara road	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Rokonodwah Govt. Primary School to Bon Bivag Jame Mosque	
Chilmari	LGED	149095032	Thanahat Dubai house-Pulmar Kajaldanga road	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Soranpara Rahim Bepari's house to Gaber tol	
Chilmari	LGED	149094028	KC(BRAK office)-Shimno Mukul Moszider par	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Jumma Para Masjid to Moj'd's par	
Chilmari	LGED	149095005	BWDB embankment at Pulmar Kajaldanga-Shipghat	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Rajavita Madrasa to Masthul	
Chilmari	LGED	149094010	Thanahat-Sabujpara to malial adarsho bazar	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Dompur Mor to Adarshapara pucca road	
Chilmari	LGED	149094027	Bhareghat Pacca Rd-Namachor Pky. School	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Baharer Ghat to Machabanda Govt.	
Chilmari	LGED	149094035	Thanahat-Jorgach UZR at nosoruddi more - purba machabanda (sariferhat UNR)	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Humayun journalist house to Belervita Raju's house	
DDM projects : Roads										
Chilmari	DDM		Improvement of Road from Alekhi's House to Khuya Ghat (Ward-01)	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Alekhi's House to Khuya Ghat	This proposals are selected as Second and Third priority roads Which reflecting the 1-2-B-3 and 4 of Action Plan.
Chilmari	DDM		Improvement of Road from Nobin Miya's House to Hanif Ali's House (Ward-01)	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Nobin Miya's House to Hanif Ali's House	
Chilmari	DDM		Improvement of Road from Sayed's House to Belur Moar (Ward-01)	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Sayed's House to Belur Moar	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Improvement of Road from Sonaulah Khuya ghat to Motalleb Member's house (Ward-02)	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Sonaulah Khuya Member's house	
Chilmari	DDM		Improvement of a road from Hazipara Mosque to Awal teacher's house ward no 2.	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Hazipara Mosque to Awal teacher's house	
Chilmari	DDM		Improvement of a road from Wazed member's house to Notarkandi Di Mukhi High School ward no 2.	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Wazed member's house to Notarkandi Di Mukhi High School	
Chilmari	DDM		Improvement of a road from Mudatol Erdash Mia's house to saidur wholesalers house ward no 2.	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Mudatol Erdash Mia's house to saidur wholesalers house	
Chilmari	DDM		Improvement of a road from Ferdous teacher's house to Fakirpara Mosque ward no 2.	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Ferdous teacher's house to Fakirpara Mosque	
Chilmari	DDM		Improvement of a road from Sanowar's house to Khaleque's house ward no 2.	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Sanowar's house to Khaleque's house	
Chilmari	DDM		Improvement of a road from Shahid Ali's house to the end of Bondober union's administrative boundary ward no 3.	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Shahid Ali's house to the end of Bondober union's administrative boundary	
Chilmari	DDM		Rehabilitation of Road from 3 no ward Khaleque Khuya Ghat to 6 no ward Dhushmara Thana.	Flood	Road	Rehabilitation of road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From 3 no ward Khaleque Khuya Ghat to 6 no ward Dhushmara Thana.	
Chilmari	DDM		Improvement of a road from Purbo Notar Kandi Salam's house to Trimohini road (ward no 3).	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Purbo Notar Kandi Salam's house to Trimohini road	
Chilmari	DDM		Improvement of a road from Monnar Ali's house to Goalapara Tara Mia's House (ward no 3).	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Monnar Ali's house to Goalapara Tara Mia's House	
Chilmari	DDM		Improvement of a road from Nabin Ali's house to Shakhawat's House (ward no 3).	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Nabin Ali's house to Shakhawat's House	
Chilmari	DDM		Improvement of a road from Bhuiyapara Jame Mosque to Samsul's House (ward no 3).	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Bhuiyapara Jame Mosque to Samsul's House	
Chilmari	DDM		Improvement of a road from Salipara Govt. Primary School to Azizul Munsil's house (ward no 4).	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Salipara Govt. Primary School to Azizul Munsil's house	
Chilmari	DDM		Improvement of a road from Adom's house to Datlapara Hamius Sunnah Nurani Madrasa (ward no 6).	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Adom's house to Datlapara Hamius Sunnah Nurani Madrasa	

Attachment 1-7

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Improvement of a road from Digla Para ghat to Puran Bazar Ghat (ward no 6).	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Digla Para ghat to Puran Bazar Ghat	
Chilmari	DDM		Improvement of a road from Dattar Char Bazar to Dattar Char Govt. Primary School (ward no 6).	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Dattar Char Bazar to Dattar Char Govt. Primary School	
Chilmari	DDM		Improvement of a road from Jugnidaho bazar to Lalchamar Char ward 9	Flood	Road	Improvement of the Road	Ashtamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Jugnidaho bazar to Lalchamar Char	
Chilmari	DDM		Rehabilitation of Road from House of Mahabur to House of Shadaot	Flood	Road	Rehabilitation	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From House of Mahabur to House of Shadaot	
Chilmari	DDM		Improvement of road from Monju Mia's house to Khaleque Members house	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Monju Mia's house to Khaleque Members house	
Chilmari	DDM		Improvement of Road from Salam's house to Ambagan.	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Salam's house to Ambagan.	
Chilmari	DDM		Rehabilitation of Road from Badsha's Shop to Mohizol's House	Flood	Road	Rehabilitation	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Badsha's Shop to Mohizol's House	
Chilmari	DDM		Improvement of road from 9 no ward Abdur Rashid's House to Suruzzamal's House.	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From 9 no ward Abdur Rashid's House to Suruzzamal's House.	
Chilmari	DDM		Rehabilitation of road from Nuruzzamal's House to Amin's House.	Flood	Road	Rehabilitation	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Nuruzzamal's House to Amin's House.	
Chilmari	DDM		Rehabilitation of road from from Korai Barishal Khuya Ghat to Dhushmara Govt. primary school.	Flood	Road	Rehabilitation	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Korai Barishal Khuya Ghat to Dhushmara Govt. primary school.	
Chilmari	DDM		Improvement of Road from Amtola Shelter Center to House of Badsha Joarder	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Amtola Shelter Center to House of Badsha Joarder	
Chilmari	DDM		Improvement of Road from Bollompur Mohijul's House to Khaleq's House	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Bollompur Mohijul's House to Khaleq's House	
Chilmari	DDM		Improvement of Road from Korai Borishal Shelter Center to Solimuddin's House	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Korai Borishal Shelter Center to Solimuddin's House	
Chilmari	DDM		Improvement of Road from Amtali shelter center to 8 no ward shelter center.	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Amtali shelter center to 8 no ward shelter center.	
Chilmari	DDM		Improvement of road from Monthola Govt. Primary school to Monju Mia's house.	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Monthola Govt. Primary school to Monju Mia's house.	
Chilmari	DDM		Improvement of Road from Shahanur Munis house to Monirul's House.	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Shahanur Munis house to Monirul's House.	
Chilmari	DDM		Improvement of Road from Khaleque Member's Shop to Gas Bagan Mosque.	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Khaleque Member's Shop to Gas Bagan Mosque.	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Improvement of Road from Obaidul Member's house to Riazul's House	Flood	Road	Improvement of the Road	Chilmari	Maintaining the road network for evacuation and reducing economic losses during floods	From Obaidul Member's house to Riazul's House	
Chilmari	DDM		Improvement of Road with sufficient culvert from Hatia-Bokshe Shelter center to Kajol Danga Kheya Ghat.	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Hatia-Bokshe Shelter center to Kajol Danga Kheya Ghat.	
Chilmari	DDM		Improvement of road with sufficient culvert from Bormoner Hut Govt. Primary school to Kajol Danga Kheya Ghat via friendship Gusso Gram.	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Bormoner Hut Govt. Primary school to Kajol Danga Kheya Ghat via friendship Gusso Gram.	
Chilmari	DDM		Improvement of road from Poschim Kheya Ghat to Dokhin Kheya Ghat via Chargoar	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Poschim Kheya Ghat to Dokhin Kheya Ghat via Chargoar	
Chilmari	DDM		Improvement of Road from South Feske Bokkor's House to Goinerpotol Nuralom's House	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From South Feske Bokkor's House to Goinerpotol Nuralom's House	
Chilmari	DDM		Improvement of road from Goynerpotol mouza's Joyral House to north side tarek dorji's House via friendship tat ghor and khaleq master house.	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Goynerpotol mouza's Joyral House to north side tarek dorji's House via friendship tat ghor and khaleq master house.	
Chilmari	DDM		Improvement of road from G.P.G. Primary School to Goier chor Friendship Gusso	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From G.P.G. Primary School to Goier chor Friendship Gusso	
Chilmari	DDM		Improvement of road from G.P.G. Primary School to Northside Feske community Clinic Kheya Ghat	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From G.P.G. Primary School to Northside Feske community Clinic Kheya Ghat	
Chilmari	DDM		Improvement of road from Molla Bazar Char Modaf Kalkapur to Northside Feske community Clinic Kheya Ghat	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Molla Bazar Char Modaf Kalkapur to Northside Feske community Clinic Kheya Ghat	
Chilmari	DDM		Improvement of road from Noyarhut Union Health and Family Hospital to Brahmaputra River Kheya Ghat	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Noyarhut Union Health and Family Hospital to Brahmaputra River Kheya Ghat	
Chilmari	DDM		Improvement of road from Uttor Khawria char to Dokhin side Aminul's House adjacent	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Uttor Khawria char to Dokhin side Aminul's House adjacent	
Chilmari	DDM		Improvement of road at Uttor Khawria Char Kheya Ghat to Poschim side Brahmaputra river bank	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	At Uttor Khawria Char Kheya Ghat to Poschim side Brahmaputra river bank	
Chilmari	DDM		Improvement of road from Kherua Char Bir Muktiyoddha High School to Hanif's House via Shamsul and Sher-a-Bangla Hose.	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Kherua Char Bir Muktiyoddha High School to Hanif's House via Shamsul and Sher-a-Bangla Hose.	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Improvement of road from Kherua Char Bir Muktiyoddha High School to Brahmaputra Kheya Ghat	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Kherua Char Bir Muktiyoddha High School to Brahmaputra Kheya Ghat	
Chilmari	DDM		Improvement of Road from Kherua Char Bir Muktiyoddha High School to Kherua Char Bazar via Shefall's House	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Kherua Char Bir Muktiyoddha High School to Kherua Char Bazar via Shefall's House	
Chilmari	DDM		Improvement of road from Shamshul's House to 3No. Electric Piller vaia Shaydur Hose.	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Shamshul's House to 3No. Electric Piller vaia Shaydur Hose.	
Chilmari	DDM		Improvement of road from Kherua Char Bazar adjacent Buddi's House to Dokhin side Polash's House .	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Kherua Char Bazar adjacent Buddi's House to Dokhin side Polash's House .	
Chilmari	DDM		Improvement of road from Kherua Char gusso gram to Hasina's house via habibur's house.	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Kherua Char gusso gram to Hasina's house via habibur's house.	
Chilmari	DDM		Improvement of road from Dokhin Char Khadimari Rashid's House to Poshim side Kherua Char Kheya Ghat .	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Dokhin Char Khadimari Rashid's House to Poshim side Kherua Char Kheya Ghat .	
Chilmari	DDM		Improvement of road from nayerhat badol more to Bokkor's house via Joynal's house.	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From nayerhat badol more to Bokkor's house via Joynal's house.	
Chilmari	DDM		Improvement of road from Mondolbari jame Mosque to nayerhat badol more.	Flood	Road	Improvement of the Road	Nayerhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Mondolbari jame Mosque to nayerhat badol more.	
Chilmari	DDM		Improvement of road from Joba's house to Brahmaputra river ghat.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Joba's house to Brahmaputra river ghat.	
Chilmari	DDM		Improvement of road from Joba's house to Tosuldar's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Joba's house to Tosuldar's house.	
Chilmari	DDM		Improvement of road from CMB road to Shalom master's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From CMB road to Shalom master's house.	
Chilmari	DDM		Improvement of road from Beribadth to Golem habib eidgah math.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Beribadth to Golem habib eidgah math	
Chilmari	DDM		Improvement of road from Monsur's police house to Dokhin site beri badh.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Monsur's police house to Dokhin site beri badh.	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmarī	DDM		Improvement of road from Beri bath to Bablu's house via utor.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Beri bath to Bablu's house via utor	
Chilmarī	DDM		Improvement of road from Ramna 2no. Gov. Primay school to Fojlu's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Ramna 2no. Gov. Primay school to Fojlu's house.	
Chilmarī	DDM		Improvement of road from Kalupal's house to Chopor's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Kalupal's house to Chopor's house.	
Chilmarī	DDM		Improvement of road from Abdulbaris's house to Isahak's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Abdulbaris's house to Isahak's house.	
Chilmarī	DDM		Improvement of road from Jobbar's house to Dolena's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Jobbar's house to Dolena's house	
Chilmarī	DDM		Improvement of road from Abed ali's house to Baitur nur jame mosque.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Abed ali's house to Baitur nur jame mosque.	
Chilmarī	DDM		Improvement of road from Mizanur's house to Jolli's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Mizanur's house to Jolli's house	
Chilmarī	DDM		Improvement of road from Abdul khalek's house to Babu mia's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Abdul khalek's house to Babu mia's house.	
Chilmarī	DDM		Improvement of road from Lalma's store to Mudabothana high school.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Lalma's store to Mudabothana high school.	
Chilmarī	DDM		Improvement of road from Nomodir more to Jorgac Gov. Primary school.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Nomodir more to Jorgac Gov. Primary school.	
Chilmarī	DDM		Improvement of road from Bablu's house to Aual's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Bablu's house to Aual's house	
Chilmarī	DDM		Improvement of road from Moliar's house to Babor's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Moliar's house to Babor's house.	
Chilmarī	DDM		Improvement of road from Alsar's house to Mofa's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Alsar's house to Mofa's house.	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Improvement of road from Fulbabu's store to Mondol para mosque.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Fulbabu's store to Mondol para mosque.	
Chilmari	DDM		Improvement of road from Alamin jame Mosque to Layla's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Alamin jame Mosque to Layla's house.	
Chilmari	DDM		Improvement of road from D.A govt primary school to ofda badh.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From D.A govt primary school to ofda badh	
Chilmari	DDM		Improvement of road from Sayed's store to Labu's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Sayed's store to Labu's house	
Chilmari	DDM		Improvement of road from Nirasa' house to Ajit's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Nirasa' house to Ajit's house.	
Chilmari	DDM		Improvement of road from Ersad's house to Rana's store.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Ersad's house to Rana's store.	
Chilmari	DDM		Improvement of road from Jorgace notun bazar to Pakar matha bridge.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Jorgace notun bazar to Pakar matha bridge.	
Chilmari	DDM		Improvement of road from Najir's house to Main road.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Najir's house to Main road.	
Chilmari	DDM		Improvement of road from Bipul's store to Sofikul's member house via mosque.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Bipul's store to Sofikul's member house via mosque.	
Chilmari	DDM		Improvement of road from Bokul's house to Sohikul's BDR house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Bokul's house to Sohikul's BDR house.	
Chilmari	DDM		Improvement of road from Kholil's army house to Shofikul's BDR house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Kholil's army house to Shofikul's BDR house.	
Chilmari	DDM		Improvement of road from Haji para Gov.Primary school to Tista River.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Haji para Gov.Primary school to Tista River.	
Chilmari	DDM		Improvement of road from Hamid's store to Suja's store pakhar matha.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Hamid's store to Suja's store pakhar matha.	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Improvement of road and Construction of guide wall from Chikon bridge to Luffor's house via purbo chor patrokhata Gov. Primary school.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Chikon bridge to Luffor's house via purbo chor patrokhata Gov. Primary school.	
Chilmari	DDM		Improvement of road from Sattar's house to Kuddus Fokir house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Sattar's house to Kuddus Fokir house.	
Chilmari	DDM		Improvement of road from Beri badh to Mosque.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Beri badh to Mosque.	
Chilmari	DDM		Improvement of road from Beri badh road wood bridge to Chor patrokhata Eidgah math.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Beri badh road wood bridge to Chor patrokhata Eidgah math.	
Chilmari	DDM		Improvement of road from Sattar's house to Patrokhata puraton jame mosque.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Sattar's house to Patrokhata puraton jame mosque.	
Chilmari	DDM		Improvement of road from Kurpan's house to Rajjak's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Kurpan's house to Rajjak's house.	
Chilmari	DDM		Improvement of road from Sukkur ali beparis's house to Alongir's house.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Sukkur ali beparis's house to Alongir's house.	
Chilmari	DDM		Improvement of road from Chor Patrokhata Gov. Primary school to Beri badh.	Flood	Road	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Chor Patrokhata Gov. Primary school to Beri badh.	
Chilmari	DDM		Improvement of road from Friendship Guicha Gram to Nayagram	Flood	Road	Uplifting of the road	Raniganj	Prevention of road inundation for keeping road network during flood	From Friendship Guicha Gram to Nayagram	
Chilmari	DDM		Improvement of road from Chamarpar to 9no. Ward's Nengermore.	Flood	Road	Improvement of the Road	Raniganj	Maintaining the road network for evacuation and reducing economic losses during floods	From Chamarpar to 9no. Ward's Nengermore.	
Chilmari	DDM		Improvement of Road from Sheikhpara Mominul's house to Dulal Amin's house (ward no 1).	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Sheikhpara Mominul's house to Dulal Amin's house	
Chilmari	DDM		Improvement of road from Anisur Rahman's house to Abdul Foraj Uddin's house	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Anisur Rahman's house to Abdul Foraj Uddin's house	
Chilmari	DDM		Improvement of Road from Kisanotbanu Bandarghat to Emdadul haque's House. (ward no 2)..	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Kisanotbanu Bandarghat to Emdadul haque's House	
Chilmari	DDM		Improvement of Road from Sarkarpara Govt. Primary School to Moragram (ward no 3).	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Sarkarpara Govt. Primary School to Moragram	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Improvement of Road from Adhikaripara Govt. Primary School to Ashraf teacher's house (ward no 3).	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Adhikaripara Govt. Primary School to Ashraf teacher's house	
Chilmari	DDM		Improvement of Road from Chowdhury Para Saiful Member's house to Odhikaripara road (ward no 3)..	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Chowdhury Para Saiful Member's house to Odhikaripara road	
Chilmari	DDM		Improvement of Road from Kathaler gram mor to Hemonto Doctor's house (ward no 5)	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Kathaler gram mor to Hemonto Doctor's house	
Chilmari	DDM		Improvement of Road from Ebaroter gram paka road to Fulmia's house (ward no 5)	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Ebaroter gram paka road to Fulmia's house	
Chilmari	DDM		Improvement of Road from Nayabari Eidgah Math to Akbar's house	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Nayabari Eidgah Math to Akbar's house	
Chilmari	DDM		Improvement of Road from BRAC Mor paka road to Jahangir's house (ward no 6)	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From BRAC Mor paka road to Jahangir's house	
Chilmari	DDM		Improvement of Road from Balabari Railway Station to Chowdhury's house (ward no 6)	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Balabari Railway Station to Chowdhury's house	
Chilmari	DDM		Improvement of Road from Dolon's house to Sabujpara Mandir Mor (ward no 8)	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Dolon's house to Sabujpara Mandir Mor	
Chilmari	DDM		Improvement of Road from Adarshapara Mosque to Dulal's house (ward no 8)	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Adarshapara Mosque to Dulal's house	
Chilmari	DDM		Improvement of Road from Adarshapara Fakirpara Ukil Amin's house to monju Hazzi's brick kiln (ward no 8)	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Adarshapara Fakirpara Ukil Amin's house to monju Hazzi's brick kiln	
Chilmari	DDM		Improvement of Road from Machhabanda Pramanikpara to Patokhata road (ward no 9).	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Machhabanda Pramanikpara to Patokhata road	
Chilmari	DDM		Improvement of road from Beri badh to Jorgac Ghat.	Flood	Road / Guide wall	Improvement of the Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Beri badh to Jorgac Ghat.	
Chilmari	DDM		Improvement of Road from Hakihola road to Rezaul master's house (ward no 9).	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Hakihola road to Rezaul master's house	
Chilmari	DDM		Improvement of road at 2 no. ward, adjacent to Fakirer Hat Market	Waterlogging	RCC Road	Upliftment of Road	Raniganj	Maintaining the road network for evacuation and reducing economic losses during floods	2 no. ward, adjacent to Fakirer Hat Market	
Chilmari	LGED or DDM		Improvement of the Road with RCC From Sunil Chandra Baman Chindu's House to Radhabollav Govt. Primary School 1 KM	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Sunil Chandra Baman Chindu's House to Radhabollav Govt. Primary School	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/ Areas of the countermeasures	Remarks
Chilmari	LGED or DDM		Improvement of the Road with RCC From Haren Barman's house to Rajar ghat bridge 1 KM	Flood	Road	Improvement of the Road	Thanahat	Maintaining the road network for evacuation and reducing economic losses during floods	From Haren Barman's house to Rajar ghat bridge	
BIWTA projects : Dredging										
Chilmari	BIWTA		Dredging work Brahmaputra and Jumuna River	Flood	Dredging, Deep excavation	Re-Excavation	Ramna	Prevent inundation which damage to pathways, houses, commercial activities near rivers	Ramna ghat to infront of dokkhine Ramna union at Brahmaputra River	The proposal reflecting the 1-2- B-4 of Action Plan.
LGED projects : Bridges										
Chilmari	LGED	149095052	Construction of bridge adjacent to Jorgace notun Bazar at ward no-8 at Teli para	Waterlogging	Bridge	New construction	Ramna	Reducing water logging during rain and floods	At Adjacent to Jorgace notun Bazar.	This proposals are selected as Second and Third priority roads. Which reflecting the 1-2-B-1 and 2 of Action Plan.
Chilmari	LGED		Construction of Bridge adjacent to Wood bridge at ward no 9	Waterlogging	Bridge	New construction	Ramna	Reducing water logging during rain and floods	At Adjacent to Wood bridge and bad road	
Chilmari	LGED	149095008	Construction of Bridge beside Noyabash Algor house at ward no 01 at Fakirhat to river ghat road	Flood	Bridge	New construction	Raniganj	Maintaining the road network during floods	At beside Noyabash Algor house	
Chilmari	LGED	149095008	Construction of Bridge beside at beside Floriar more on ward no 01 at Fakirhat to river ghat road	Flood	Bridge	New construction	Raniganj	Maintaining the road network during floods	At beside Floriar more	
DDM projects : Bridges										
Chilmari	DDM		Construction of a Bridge besides Tarikulah member's house ward no 1	Flood	Bridge	New construction	Ashtamir Char	Maintaining the road network during floods	At Besides Tarikulah member's house	This proposals are selected as Second and Third priority roads. Which reflecting the 1-2-B-3 and 4 of Action Plan.
Chilmari	DDM		Construction of a Bridge besides Sonaulah Khuya Ghat ward no 2.	Flood	Bridge	New construction	Ashtamir Char	Maintaining the road network during floods	At Besides Sonaulah Khuya Ghat	
Chilmari	DDM		Construction of a Bridge besides Salipara Govt. primary school (ward no 3).	Flood	Bridge	New construction	Ashtamir Char	Maintaining the road network during floods	At Besides Salipara Govt. primary school	
Chilmari	DDM		Construction of a Bridge besides Salipara Govt. primary school (ward no 4).	Flood	Bridge	New construction	Ashtamir Char	Maintaining the road network during floods	At besides Salipara Govt. primary school	
Chilmari	DDM		Construction of a Bridge besides Nabin Ali's House (ward no 4).	Flood	Bridge	New construction	Ashtamir Char	Maintaining the road network during floods	At besides Nabin Ali's House	
Chilmari	DDM		Construction of a Bridge besides Nabin Ali's House (ward no 4).	Flood	Bridge	New Construction	Ashtamir Char	Maintaining the road network during floods	4 no. Ward, North side of Bakta Bazar	
Chilmari	DDM		Construction of a Bridge besides Uttar Daitapara Hamius Sunnah Nurani Madrasa (ward no 5).	Flood	Bridge	New construction	Ashtamir Char	Maintaining the road network during floods	At besides Uttar Daitapara Hamius Sunnah Nurani Madrasa	
Chilmari	DDM		Construction of a bridge besides Daitar Char Bazar (ward no 6).	Flood	Bridge	New construction	Ashtamir Char	Maintaining the road network during floods	At Besides Daitar Char Bazar	
Chilmari	DDM		Construction of a bridge beside Bahar Uddin Sachib's house (ward no 6).	Flood	Bridge	New construction	Ashtamir Char	Maintaining the road network during floods	At beside Bahar Uddin Sachib's house	
Chilmari	DDM		Construct a bridge at ward no 6 besides Gach bagan Jame Mosque.	Flood	Bridge	New construction	Chilmari	Maintaining the road network during floods	At ward no 6 Besides Gach bagan Jame Mosque.	
Chilmari	DDM		Construct a bridge at ward no 7 besides Saiful Jowardar's House.	Flood	Bridge	New construction	Chilmari	Maintaining the road network during floods	At ward no 7 Besides Saiful Jowardar's House.	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Construction of Bridge at Adjacent to Dangar chor Gov. Primary school and Alongir's house.	Waterlogging	Bridge	New construction	Ramna	Reducing water logging during rain and floods	At Adjacent to Dangar chor Gov. Primary school and Alongir's house.	
Chilmari	DDM		Rehabilitation of bridge at old bridge.	Waterlogging	Bridge	Rehabilitation	Ramna	Reducing water logging during rain and floods	At old bridge.	
Chilmari	DDM		Construction of Bridge at Adjacent to Wood bridge and Edgah mAti.	Waterlogging	Bridge	New construction	Ramna	Reducing water logging during rain and floods	At Adjacent to Wood bridge and Edgah	
Chilmari	DDM		Construction of a Bridge besides Machabanda Pramanikpara Hamid's house(Ward-09)	Flood	Bridge	New construction	Thanahat	Maintaining the road network during floods	At Besides Machabanda Pramanikpara Hamid's house	
Chilmari	DDM		Construction of a Bridge besides Khameler Ghat (Ward-09)	Flood	Bridge	New construction	Thanahat	Maintaining the road network during floods	At Besides Khameler Ghat	
Chilmari	DDM		Repair of a Bridge Over Buri Teesta River between Md Jainal Mia's House and Haren Barman's house at ward no 1	Flood	Bridge	New construction	Thanahat	Reducing water logging during rain and floods	Over Buri Teesta River between Md Jainal Mia's House and Haren Barman's house	
LGED projects : Culverts										
Chilmari	LGED	149094002	Construction of culvert adjacent to Baitul nur jame mosque.(Ward -03) at Belervita Hindupara-Ramna BDR camp road	Waterlogging	Culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Baitul nur jame mosque.	This proposals are selected as Second and Third priority roads. Which reflecting the 1-2-B-1 and 2 of Action Plan.
Chilmari	LGED	149093003	Construction of culvert adjacent to Beni bath.(Ward -04) at Thanahat UP office at Ghatola to Raniganj) UPC road	Waterlogging	Culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Beni bath.	
Chilmari	LGED	1490943004	Construction of culvert adjacent to Sayed's store at Ramna UP office near Shorifhat-Kalibazar river ghat road	Waterlogging	Culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Sayed's store.	
Chilmari	LGED	1490945052	Construction of culvert adjacent to Teli para jame mosque.	Waterlogging	Culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Teli para jame mosque.	
Chilmari	LGED	1490943003	Beside Koyarpar Bir Bikram Govt. Primary school	Waterlogging	Culvert	New construction	Raniganj	Reducing waterlogging and Improving drainage facility	Beside Koyarpar Bir Bikram Govt. Primary school	
Chilmari	LGED	1490943003	Construction of a culvert beside Babu's house Pagla Mandir ward no 5.	Waterlogging	Culvert	New construction	Raniganj	Reducing waterlogging and Improving drainage facility	beside Babu's house Pagla Mandir	
Chilmari	LGED	1490944028	Construction of a culvert besides Mojib's Par ward no 6	Flood	Culvert	New construction	Thanahat	Besides Mojib's Par	Besides Mojib's Par	
Chilmari	LGED	1490944035	Construction of a culvert besides Humayun Journalist house (Ward -09)	Flood	Culvert	New construction	Thanahat	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Humayun Journalist house	
Chilmari	LGED	149095010	Construction of a culvert besides Mojaidanga Govt. Primary School (Ward -03) at Mojaidanga GPS to Saritullah's road	Waterlogging	Culvert	New construction	Thanahat	Reducing waterlogging and Improving drainage facility	Besides Mojaidanga Govt. Primary School	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Areas of the countermeasures	Remarks
DDM projects : Culverts										
Chilmari	DDM		Construction of a culvert besides Molla Bazar ,Char Mudafot,(Ward -01)	Flood	culvert	New construction	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Molla Bazar ,Char Mudafot	This proposals are selected as Second and Third priority roads, Which reflecting the 1-2-B-3 and 4 of Action Plan.
Chilmari	DDM		Construction of a culvert besides Char Mudafot Kalikapur Govt. primary school.(Ward-01)	Flood	culvert	New construction	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Char Mudafot Kalikapur Govt. primary school.	
Chilmari	DDM		Construction of a culvert besides Abdus Salam's house ward no 2.	Flood	culvert	New construction	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Abdus Salam's house	
Chilmari	DDM		Construction of a culvert besides Manik Mia's house ward no 2.	Flood	culvert	New construction	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Manik Mia's house	
Chilmari	DDM		Construction of a culvert besides Ferdous teacher's house ward no 2.	Flood	culvert	New construction	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Ferdous teacher's house	
Chilmari	DDM		Construction of a culvert besides Hashem's house (ward no 3).	Flood	culvert	New construction	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Hashem's house	
Chilmari	DDM		Construction of a culvert besides Salam's house (ward no 3).	Flood	culvert	New construction	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Salam's house	
Chilmari	DDM		Construction of a culvert besides Trimohini road (ward no 3).	Flood	culvert	New construction	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Trimohini road	
Chilmari	DDM		Construction of a culvert besides Nabin Ali's house (ward no 3).	Flood	culvert	New construction	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Nabin Ali's house	
Chilmari	DDM		Construction of a culvert besides Bahar Uddin Sachib 's house (ward no 5).	Flood	culvert	New construction	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	Besides Bahar Uddin Sachib 's house	
Chilmari	DDM		Construction of Culvert at Ward-03 beside Monnaf Ali's House.(Ward -03)	Waterlogging	culvert	New construction	Ashtamir Char	Reducing waterlogging and Improving drainage facility	At beside Monnaf Ali's House	
Chilmari	DDM		Repair of a Culvert to enhance the communication network for people of 4, 5 and 6 no-ward	Flood	Culvert	Repair	Ashtamir Char	Prevention of flooding and waterlogging by improving drainage facilities.	3 no. ward, beside Saheb Ali's house at Natarikandi	
Chilmari	DDM		Construction of new culvert in the location identified as -04 Besides Atala Shelter center.(Ward -08)	Waterlogging	culvert	New construction	Chilmari	Reducing waterlogging and Improving drainage facility	Besides Atala Shelter center, locAtion-04	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Construction of new culvert in the location identified as -01 (Ward-06)	Waterlogging	culvert	New construction	Chilmari	Reducing waterlogging and Improving drainage facility	Besides Alala Shelter center, locAtion-01	
Chilmari	DDM		Construction of new culvert in the location identified as -02 (Ward-07)	Waterlogging	culvert	New construction	Chilmari	Reducing waterlogging and Improving drainage facility	Besides Alala Shelter center, locAtion-02	
Chilmari	DDM		Construction of culvert at Halia-Bokshe Shelter center adjacent (Ward-01)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Halia-Bokshe Shelter center adjacent	
Chilmari	DDM		Construction of culvert at Gomohon hut Govt.Primary school adjacent (Ward -01)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Gomohon hut Govt.Primary school adjacent	
Chilmari	DDM		Construction of culvert adjacent to Shorkepara Jame Mosque (Ward -02)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	Adjacent to Shorkepara Jame Mosque	
Chilmari	DDM		Construction of culvert at Shorkepara jame mosque adjacent (Ward -02)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Shorkepara jame mosque adjacent	
Chilmari	DDM		Construction of culvert at G.P.G. Primary School adjacent (Ward -02)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At G.P.G. Primary School adjacent	
Chilmari	DDM		Construction of culvert at Northside Feske community Clinic adjacent (Ward -05)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Northside Feske community Clinic adjacent	
Chilmari	DDM		Construction of culvert at Mondolbari Jame Mosque adjacent (Ward -05)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Mondolbari Jame Mosque adjacent	
Chilmari	DDM		Construction of Culvert at Aminul's House adjacent (Ward -06)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Aminul's House adjacent	
Chilmari	DDM		Construction of Culvert-1at Friend ship Gusso Gram adjacent (Ward -06)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Friend ship Gusso Gram adjacent	
Chilmari	DDM		Construction of Culvert-2 at Friend ship Gusso Gram adjacent (Ward -06)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Friend ship Gusso Gram adjacent	
Chilmari	DDM		Construction of Culvert at Poschim side Brahmaputra river bank adjacent (Ward -06)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Poschim side Brahmaputra river bank adjacent	
Chilmari	DDM		Construction of culvert at Noyarhut Ideal school adjacent (Ward -07)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Noyarhut Ideal school Adjacent	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Construction of culvert at Kherua Char Bir Muktioddha High School adjacent (Ward - 07)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At Kherua Char Bir Muktioddha High School Adjacent	
Chilmari	DDM		Construction of culvert at the Middle of Kherua Char Bazar and Polash House.(Ward -07)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At the Middle of Kherua Char Bazar and Polash House.	
Chilmari	DDM		Construction of culvert adjacent to Kherua Char Kheya Ghat.(Ward -09)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	Adjacent to Kherua Char Kheya Ghat.	
Chilmari	DDM		Construction of culvert at the Middle of nayerhat badol more to Bokko's house via Joyal's house.(Ward -03)	Flood	culvert	New construction	Nayerhat	Prevention of flooding and waterlogging by improving drainage facilities.	At the Middle of nayerhat badol more to Bokko's house via Joyal's house.	
Chilmari	DDM		Construction of culvert adjacent to Goyosal chairman's house.(Ward -02)	Waterlogging	culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Goyosal chairman's house.	
Chilmari	DDM		Construction of culvert adjacent to Fojli's house.(Ward -02)	Waterlogging	culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Fojli's house.	
Chilmari	DDM		Construction of culvert adjacent to Abdul bari's house.(Ward -03)	Waterlogging	culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Abdul bari's house.	
Chilmari	DDM		Construction of culvert adjacent to Mudabothana high school.(Ward -03)	Waterlogging	culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Mudabothana high school.	
Chilmari	DDM		Construction of culvert adjacent to Najir mia's house.(Ward -03)	Waterlogging	culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Najir mia's house.	
Chilmari	DDM		Construction of culvert adjacent to Bipul's Store.(Ward -08)	Waterlogging	culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Bipul's Store.	
Chilmari	DDM		Construction of culvert adjacent to Haji para Gov. Primary school.(Ward -08)	Waterlogging	culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Haji para Gov. Primary school.	
Chilmari	DDM		Construction of culvert adjacent to Dokhin Patro khata.	Waterlogging	culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Dokhin Patro khata.	
Chilmari	DDM		Construction of culvert adjacent to Patro khata Gov. Primary school.(Ward -09)	Waterlogging	culvert	New construction	Ramna	Reducing waterlogging and Improving drainage facility	Adjacent to Patro khata Gov. Primary school.	
Chilmari	DDM		Construction a new culvert at in front of Noyabash Mosque (Ward -01)	Flood	culvert	New construction	Raniganj	Prevention of flooding and waterlogging by improving	At in front of Noyabash Mosque	
Chilmari	DDM		Construction of a culvert besides Monju Hazis Brick Kln (Ward -08)	Flood	culvert	New construction	Thanahat	Prevention of flooding and waterlogging by improving	Besides Monju Hazis Brick Kln	
Chilmari	DDM		Construction of a culvert beside Gheudanga Government Primary School	Waterlogging	Culvert	New Construction	Raniganj	Prevention of waterlogging during rain and flood	Beside Gheudanga Government Primary	
HDE projects : Medical Facility										
Chilmari	HED		Rehabilitation and extension of the community Clinic at ward no 2	Flood	Health care facility	Rehabilitation	Ashtamir Char	Provision of medical facilities during the disaster and post-	Community Clinic at ward no 2	This proposals are selected as Second and Third priority roads. Which reflecting the 1-2B
Chilmari	HED		Rehabilitation and extension of a community clinic at ward no 6 besides Nurul Islam's	Flood	Health care facility	Rehabilitation	Ashtamir Char	Provision of medical facilities during the disaster and post-	At ward no 6 besides Nurul Islam's house	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Areas of the countermeasures	Remarks
2-1 Urgently control the progress of riverbank erosion by emergency measures										
ID: 2-1-A Program: Introduction of emergency measures (e.g., sandbags) for revetment, and dredging										
DDM projects : Guide Walls										
Chilmari	DDM		From 2 no ward Guide Wall to Abdul Kader's house in Ramna union	Flood	Guide Wall	New Construction	Ramna	Prevention the River Bank Erosion during Flood	from 2 no ward Guide Wall to Abdul Kader's	All proposals are reflecting the 2- 1-A-1 of Action Plan.
Chilmari	DDM		From Harun's house to Fulmia's hose in ward number 3, Ramna union	Flood	Guide Wall	New construction	Ramna	Prevention the River Bank Erosion during Flood	From Harun's house to Fulmia's hose	
Chilmari	DDM		From Rejaul's house to Noyamia's house in ward number 3, Ramna union	Flood	Guide Wall	New construction	Ramna	Prevention the River Bank Erosion during Flood	From Rejaul's house to Noyamia's house.	
Chilmari	DDM		From Jobbar's store to Sobdur's house in ward number 3, Ramna union.	Flood	Guide Wall	New construction	Ramna	Prevention the River Bank Erosion during Flood	From Jobbar's store to Sobdur's house	
4-1 Evacuation and response to lightning strike										
ID: 4-1-A Program: Installation and maintenance of lightning arresters / evacuation shelters for people and livestock(4-1-B is integrated)										
DDM projects : lightning arrester										
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-2 in Ashtamir Char Union	Lightning	Lightning protection towers	New construction	Ashtamir Char	Prevention the Lightning	At Ward -02	All proposals are reflecting the 4- 1-A of Action Plan.
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-4 in Ashtamir Char Union	Lightning	Lightning protection towers	New construction	Ashtamir Char	Prevention the Lightning	At Ward -04	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-3 in Ashtamir Char Union	Lightning	Lightning protection towers	New construction	Ashtamir Char	Prevention the Lightning	At Ward -03	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-5 in Ashtamir Char Union	Lightning	Lightning protection towers	New construction	Ashtamir Char	Prevention the Lightning	At Ward -05	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-6 in Ashtamir Char Union	Lightning	Lightning protection towers	New construction	Ashtamir Char	Prevention the Lightning	At Ward -06	
Chilmari	DDM		Construction of Lightning Protection Tower at besides Mohijols House, Ward no-8 in Chilmari Union	Lightning	Lightning protection towers	New construction	Chilmari	Prevention the Lightning	Besides Mohijols House.	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-7 in Chilmari Union	Lightning	Lightning protection towers	New construction	Chilmari	Prevention the Lightning	At ward no 7	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-4 in Chilmari Union	Lightning	Lightning protection towers	New construction	Chilmari	Prevention the Lightning	At ward no 4	
Chilmari	DDM		Construction of Lightning Protection Tower at Adjacent to friendship primary school Ward no-1 in Nayerhat Union	Lightning	Lightning protection towers	New construction	Nayerhat	Prevention the Lightning	Adjacent to friendship primary school	
Chilmari	DDM		Construction of Lightning Protection Tower at Molla Bazar Char Modaf kalkapur Ward no 2 in Nayerhat Union	Lightning	Lightning protection towers	New construction	Nayerhat	Prevention the Lightning	At Molla Bazar Char Modaf kalkapur	
Chilmari	DDM		Construction of Lightning Protection Tower at Noyar Hut Union Health and Family Hospital Ward no-5 in Nayerhat Union	Lightning	Lightning protection towers	New construction	Nayerhat	Prevention the Lightning	At Noyar Hut Union Health and Family Hospital	
Chilmari	DDM		Construction of Lightning Protection Tower at Tajul's House adjacent Ward no-6 in Nayerhat Union	Lightning	Lightning protection towers	New construction	Nayerhat	Prevention the Lightning	At Tajul's House adjacent	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Construction of Lightning Protection Tower at Kenar Char Bir Muktiyodha High School Ward no-7 in Nayerhat Union	Lightning	Lightning protection towers	New construction	Nayerhat	Prevention the Lightning	At Kenar Char Bir Muktiyodha High School	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-3 in Nayerhat Union	Lightning	Lightning protection towers	New construction	Nayerhat	Prevention the Lightning	At Ward no.3	
Chilmari	DDM		Construction of Lightning Protection Tower at adjacent to Friendship primary school in Ward no.1 in Ramna Union	Lightning	Lightning protection towers	New construction	Ramna	Prevention the Lightning	Adjacent to Friendship primary school in Ward no.1.	
Chilmari	DDM		Construction of Lightning Protection Tower at adjacent to Friendship primary school in Ward no.1 in Ramna Union	Lightning	Lightning protection towers	New construction	Ramna	Prevention the Lightning	At Friendship primary school located in Ward no.4	
Chilmari	DDM		Construction of Lightning Protection Tower at Mojartari wards no 1 in Raniganj Union	Lightning	Lightning protection towers	New construction	Raniganj	Prevention the Lightning	At Mojartari wards no 1	
Chilmari	DDM		Construction of Lightning Protection Tower at Fokirer tah low land wards no 1 in Raniganj Union	Lightning	Lightning protection towers	New construction	Raniganj	Prevention the Lightning	At Fokirer tah low land wards no 1	
Chilmari	DDM		Construction of Lightning Protection Tower at beside union parishad wards no 3 in Raniganj Union	Lightning	Lightning protection towers	New construction	Raniganj	Prevention the Lightning	At beside Raniganj union parishad wards no 3	
Chilmari	DDM		Construction of Lightning Protection Tower at Koyepar north low land wards no 5 in Raniganj Union	Lightning	Lightning protection towers	New construction	Raniganj	Prevention the Lightning	At Koyepar north low land wards no 5	
Chilmari	DDM		Construction of Lightning Protection Tower at Koyepar south low land wards no 5 in Raniganj Union	Lightning	Lightning protection towers	New construction	Raniganj	Prevention the Lightning	At Koyepar south low land wards no 5	
Chilmari	DDM		Construction of Lightning Protection Tower at Uttor wari agricultural land wards no 6 in Raniganj Union	Lightning	Lightning protection towers	New construction	Raniganj	Prevention the Lightning	At Uttor wari agricultural land wards no 6	
Chilmari	DDM		Construction of Lightning Protection Tower at Kackol agricultural land wards no 6 in Raniganj Union	Lightning	Lightning protection towers	New construction	Raniganj	Prevention the Lightning	At Kackol agricultural land wards no 6	
Chilmari	DDM		Construction of Lightning Protection Tower at Udrna Char wards no 2 in Raniganj Union	Lightning	Lightning protection towers	New Construction	Raniganj	Prevention the Lightning	At Udrna Char	
Chilmari	DDM		Construction of Lightning Protection Tower at Boro Vitar Char wards no 9 in Raniganj Union	Lightning	Lightning protection towers	New Construction	Raniganj	Prevention the Lightning	At Boro Vitar Char	
Chilmari	DDM		Construction of Lightning Protection Tower at Thanahat Bazar wards no 1 to 5 in	Lightning	Lightning protection towers	New Construction	Thanahat	Prevention the Lightning	At Thanahat Bazar	
Forest Department or Local Government Agency projects : Tree Plantation										
Chilmari	Forest Department or Local Government		Tree plantation in various locations of the union at Ward Number 01 of Ramna Union	Drought	Tree Plantation	New Plantation	Ramna	Prevention the Lightning and Drought	In various locations of the union	All proposals are reflecting the 4-1- A of Action Plan.
Chilmari	Forest Department or Local Government		Tree plantation in various locations of the union at Ward Number 03 of Ramna Union	Drought	Tree Plantation	New Plantation	Ramna	Prevention the Lightning and Drought	In various locations of the union	
Chilmari	Forest Department or Local Government		Palm Tree Plantation at Ward-01 in Ramna and Ward-5 in Fakirer vita Union	Lightning	Tree Plantation	New Plantation	Thanahat	Prevention the Lightning and Drought	In Ward Number 01 to 05	

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Areas of the countermeasures	Remarks
5-1 Provide stable water supply for the fields and livestock										
ID: 5-1 Program: Expansion and improvement of irrigation facilities / water storage facilities (e.g., reservoir) (5-1-B is integrated)										
BADC projects : Irrigation pumps										
Chilmari	BADC		Installation of Irrigation Pump (Ward Number 02)	Drought	Irrigation pumps	New construction	Ashtamir Char	Provision of irrigation and drinking water during drought	At Ward Number 02	All proposals are reflecting the 5-1 of Action Plan.
Chilmari	BADC		Installation of Irrigation Pump (Ward Number 02)	Drought	Irrigation pumps	New construction	Ashtamir Char	Provision of irrigation and drinking water during drought	At Ward Number 02	
Chilmari	BADC		Installation of deep irrigation pumps in Sakahati (Ward-06)	Drought	Irrigation pumps	New construction	Chilmari	Provision of irrigation and drinking water during drought	At Sakahati Ward-06	
Chilmari	BADC		Installation of deep irrigation pumps in Bisherpara (Ward-07)	Drought	Irrigation pumps	New construction	Chilmari	Provision of irrigation and drinking water during drought	At Bisherpara Ward-07	
Chilmari	BADC		Installation of deep irrigation pumps in Karaibarisal (Ward-09)	Drought	Irrigation pumps	New construction	Chilmari	Provision of irrigation and drinking water during drought	At Karaibarisal Ward-09	
Chilmari	BADC		Installation of deep irrigation pumps in Dhushmara area	Drought	Irrigation pumps	New construction	Chilmari	Provision of irrigation and drinking water during drought	At Dhushmara area	
Chilmari	BADC		Installation of Irrigation Pump (Ward Number 04)	Drought	Irrigation pumps	New construction	Thanahat	Provision of irrigation and drinking water during drought	At Ward Number 04	
Chilmari	BADC		Installation of Irrigation Pump (Ward Number 07)	Drought	Irrigation pumps	New construction	Thanahat	Provision of irrigation and drinking water during drought	At Ward Number 07	
BADC projects : Sluice Gate										
Chilmari	LGED		Construction a Sluice gate at Sakahati of	Flood	Sluice Gate	New construction	Chilmari	Reducing economic losses by	At Sakahati	All proposals are reflecting the 5-1 of Action Plan.
Chilmari	LGED		Construction a Sluice gate at Bisherpara of Chilmari Union	Flood	Sluice Gate	New construction	Chilmari	Reducing economic losses by supporting irrigation	At Bisherpara	
Not included in the action plan										
Shelter Projects										
Chilmari			Construction of a Flood shelter center at the end of Mudafot Boundary ward no 2.	Flood	Shelter	New construction	Ashtamir Char	Improving accommodation facilities during the disaster	At the end of Mudafot Boundary ward no 2.	This projects are not match with the criteria. Which reflects the 1- 1-C of the Action Plan
Chilmari			Construction of a shelter center at Aminul's House Khैया Ghat adjacent	Flood	Shelter	New construction	Ashtamir Char	Improving accommodation facilities during the disaster	At Aminul's House Khैया Ghat adjacent	
Chilmari			Construction of a Flood shelter center at besides Khurda Jame Mosque	Flood	Shelter	New construction	Ashtamir Char	Improving accommodation facilities during the disaster	At besides Khurda Jame Mosque	
Chilmari			Construction of a shelter house at Jorgac Bazar Beri badh site madrasah.	Flood	Shelter	New construction	Ramna	Improving accommodation facilities during the disaster	At Jorgac Bazar Beri badh site madrasah.	
Chilmari			Construction of a shelter center at Adjacent to Kussar par jame mosque.	Flood	Shelter	New construction	Ramna	Improving accommodation facilities during the disaster	Adjacent to Kussar par jame mosque.	
Chilmari			Construction of a Flood shelter center at Odhikaripara	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Odhikaripara	
Chilmari			Construction of a Flood shelter center at Puthimari Kajol danga village	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Puthimari Kajol danga village	
Upliftment of land area Project										
Chilmari			Improve by Upliftment at field of Uttar Datiapara Hamius Sunnah Nurani Madrasa	Flood	Land elevation	New construction	Ashtamir Char	Prevention of school/Madrasa area inundation during flood	At field of Uttar Datiapara Hamius Sunnah Nurani Madrasa	UzSC members confirmed that it is private institution land, which is out of scope.

Attachment 2: Member lists of UzDMC and UzSC for the development of the Plan with related documents

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan (CEFI-LDRRP)

সূচনা সভার উপস্থিতি পত্র চিলমারী, কুড়িগ্রাম

স্থানঃ সম্মেলন কক্ষ, উপজেলা পরিষদ কার্যালয়, চিলমারী, কুড়িগ্রাম বাংলাদেশ

তারিখ : ১৯ মার্চ ২০২৪

ক্রমিক নং	অংশগ্রহণকারীর নাম	পদবী	বিভাগের নাম	যোগাযোগ
১	মোঃ মিনহাজুল ইসলাম	ইউ এন ও	উপজেলা নির্বাহী অফিস	
২	মোঃ কুন্ডুজ্জামান শাহীন	চেয়ারম্যান	উপজেলা পরিষদ চিলমারী	০১৭১৮৩৫৯৮২৪
৩	মোঃ আসমা চৌধুরী	ভাইস চেয়ারম্যান	উপজেলা পরিষদ চিলমারী	০১৭১০৯১৮৫৭১
৪	মোঃ নাজমুল হুদা	এস আই	উপজেলা পরিসংখ্যান অফিস	০১৭৫৫৩৫৬৫৭২
৫	মোঃ আলমগীর হোসেন	এক এস	সমাজসেবা	০১৭১৮২৪২৩৬৭
৬	নারায়ন চন্দ্র বর্মা	স্টেশন অফিসার ডায়রাগু	ফায়ার সার্ভিস ও সিভিল ডিফেন্স চিলমারী কুড়িগ্রাম	০১৮৬৩৭১৯৯
৭	সাগরড হোসেন সোহেল	তথ্য ও প্রযুক্তি সম্পাদক	আদর্শ বঙ্গি সমিতি চিলমারী	০১৭১৫৫৭২৩৮৪
৮	মোঃ হাবিবুর রহমান	সভাপতি উপজেলা প্রেসক্লাব চিলমারী	উপজেলা প্রেসক্লাব	০১৭৫৫০৫০২৬৬১
৯	মোঃ সোহাগী পারভীন	মহিলা বিষয়ক কর্মকর্তা অতিরিক্ত	মহিলা বিষয়ক অধিদপ্তর	০১৭২৪১১৩৯৩০
১০	মোঃ মাহফুজুর রহমান	সিনিয়র ম্যানেজার	ফ্রেডশিপ	০১৭১৮৭০৩৫৮০
১১	সাদাকাত হোসেন	প্রধান শিক্ষক	কয়ইবারশাল নিম্ন মাধ্যমিক বিদ্যালয়	০১৭১৩৮৩৩৩৪
১২	মোঃ আব্দুল হালিম	প্যানেল চেয়ারম্যান	অস্ট্রিমিটার ইউপি	০১৭৪৬১৬৮০৫
১৩	রবীন্দ্রনাথ বায়	উপজেলা দারিদ্র্য বিমোচন কর্মকর্তা	চিলমারী কার্যালয়	০১৭১৪২২৯৬৩৬
১৪	ডঃ মোঃ আলতাক হোসেন	ইউ এল ও	ডিএল অফিস	০১৭১৯২৫৭২৫০
১৫	প্রণয় বিধান দাস	ইউ এ ও	ডিআই	০১৭০৮০২৯০৪৩
১৬	মোঃ তাহের আলী	ইউএসইও	সেক্রেটারি	০১৭১৫৬৫০৭৭৪
১৭	মোঃ আবু সাইদ	সহ: অধ্যাপক	চিলমারী মহিলা ডিগ্রী কলেজ	০১৭১৮৯৩০৪৩০
১৮	এস.এম. শওকত আলম	উপজেলা পল্লী উন্নয়ন অফিসার	চিলমারী	০১৭১০৫৬৯২৫৬
১৯	মোঃ অতিকুন্ডুজ্জামান	সাব সহকারি প্রকৌশলী	ডিডিএম	০১৭১৪৬০৫৩৫৯
২০	মোঃ আমিনুল হক	চেয়ারম্যান	চিলমারী ইউপি	০১৩১০১৪৮৪২
২১	মোঃ মনিরুল আলম	সভাপতি প্রেসক্লাব	প্রেসক্লাব	০১৭১৭৩৪৫৮৩৪
২২	মোঃ মইনুল ইসলাম	ইউপি সদস্য	নয়ারহাট ইউপি	০১৯২২৯৯৬৬৮
২৩	মোঃ মনজুরুল ইসলাম	চেয়ারম্যান	রানীগঞ্জ ইউপি	০১৭৬১৫৭৬৫৯৮

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
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 তারিখ : ১৯ মার্চ ২০২৪

২৪	মো. আসাদুজ্জামান	চেয়ারম্যান	নয়ারহাট ইউপি	০১৭১৮৯৭২৯০৮
২৫	মো. গোলাম আশেক	চেয়ারম্যান	রমনা ইউপি	০১৭১৬৮০৮৫৩৫
২৬	মুজাফফর আহমেদ	ডেপুটি কমান্ডার	মুক্তিযোদ্ধা সংসদ	০১৭১৬০৯৫০৬৩
২৭	মো. রফিকুল ইসলাম	বীর মুক্তিযোদ্ধা	মুক্তিযোদ্ধা সংসদ	০১৯২৩৪৬৯৪৮৪
২৮	মো. আব্বাস	বীর মুক্তিযোদ্ধা	মুক্তিযোদ্ধা সংসদ	০১৭৮৭৮৩২৬৩৭
২৯	মো. নুরুজ্জামান আজাদ	ডাইস চেয়ারম্যান	চিলমারী, উপজেলা	০১৭১৬৭৮৫৫৭৮
৩০	মো. মোশারফ হোসেন	পিআইও	ডিডিএম	০১৭১৮২৬৬৪৬৩
৩১	মো. একরামুল হক	উপজেলা প্রকল্প কর্মকর্তা	ইউএনডিপি	০১৭২৬৯৭৬৩৩৮
৩২	কে এম মাসদুর রহমান	উপজেলা সমবায় অফিসার	সমবায় দপ্তর	০১৭১৪৫৯০২৯৯
৩৩	মো. নাসিম উদ্দিন	এ ও	ইউ এন ও অফিস, চিলমারী	০১৭১৭১৬৪৫৭৬
৩৪	শেহনাজ আকতার	ইউ এ ডি ডি ও	আনসার ও ডিডিপি অফিস, চিলমারী	০১৮২৬১২৪৫০৪
৩৫	আমিনুল ইসলাম	মুক্তিযোদ্ধা	মুক্তিযোদ্ধা	০১৭৭০২২৪০৪৪
৩৬	মো. নুরুজ্জামান খান	ইউ এফ ও	ডি ও এফ	০১৭৬৯৪৫৯৭৬২
৩৭	এস এম নুরুল আদিন সরকার	সংবাদ কর্মী	সংবাদ	০১৭০৩২৯৭৯৪০
৩৮	মো. সাজেদুল ইসলাম	জেপি (টেকনোলজি)	রেডিও চিলমারী	০১৭২৩৭৬৫৩৫০
৩৯	মো. নজরুল ইসলাম সাবু	সভাপতি	চিলমারী প্রেসক্লাব	০১৭১৬৬৩৪৭১০
৪০	মো. আব্দুল হাই সরকার	জেলা গ্রান ও পুনর্বাসন কর্মকর্তা	দুর্যোগ ব্যবস্থাপনা অধিদপ্তর	০১৭১৫০৫৭৫৩২
৪১	মো. আবু হেনা মোস্তফা কামাল	ডি আর আর প্লানিং স্পেশালিস্ট,	জাইকা এক্সপার্ট টিম	০১৭২৫২২৩৭৩৫
৪২	মো. আনিছুর রহমান	টিম লিডার	জাইকা এক্সপার্ট সাব-কনসালটেন্ট টিম	০১৭১১৪৪৩৪৮৫
৪৩	মো. তাজুল ইসলাম	জাইকা এক্সপার্ট সাব-কনসালটেন্ট	জিও প্লানিং ফর এডভান্স ডেভেলপমেন্ট	০১৯১৯০৬৩৪৮৬
৪৪	বিলল কান্তি কুরি	চিফ প্লানার	এল ডি আর আর পি প্রজেক্ট , জাইকা এক্সপার্ট টিম	০১৭১১১৮৩৯০৯
৪৫	জামিলুর রেজা সিকাত	জাইকা এক্সপার্ট সাব-কনসালটেন্ট	জিও প্লানিং ফর এডভান্স ডেভেলপমেন্ট	০১৭৯৩২০৬০০৬

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
প্রকল্প পরিচালকের কার্যালয়

The Project for Capacity Enhancement on Formulation and Implementation of
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দুর্যোগ ব্যবস্থাপনা অধিদপ্তর, দুর্যোগ ব্যবস্থাপনা ভবন
৯২-৯৩ মহাখালীবা/এ, ঢাকা-১২১২
www.ddm.gov.bd

স্মারক নং- ৫১.০১.০০০০.০৩১.০০৬.০৩.২৩. ৫৩২

তারিখঃ ১১. ০৩. ২০২৪ খ্রি.

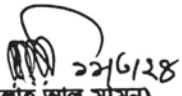
বিষয়: “The Project for Capacity Enhancement on Formulation & Implementation of Local Disaster Risk Reduction Plan (LDRRP)” শীর্ষক পাইলট প্রকল্প (উলিপুর এবং চিলমারী উপজেলায়) বাস্তবায়নে সহ: পরামর্শক হিসেবে “Geo-Planning for Advanced Development (GPAD) Ltd., Gulshan- 01, Dhaka, Bangladesh” কে সার্বিক সহযোগিতা প্রদান।

উপর্যুক্ত বিষয়ের পরিপ্রেক্ষিতে জানানো যাচ্ছে যে, দুর্যোগ ব্যবস্থাপনা অধিদপ্তর কর্তৃক বাস্তবায়নাধীন “The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan (LDRRP)” শীর্ষক পাইলট প্রকল্প (উলিপুর এবং চিলমারী উপজেলায়) বাস্তবায়নে জাইকা কর্তৃক সহ: পরামর্শক হিসেবে “Geo-Planning for Advanced Development (GPAD) Ltd., Gulshan - 01, Dhaka, Bangladesh” নিয়োগ দেয়া হয়েছে।

উক্ত প্রতিষ্ঠান পরিকল্পনা প্রণয়নের লক্ষ্যে কমিউনিটির সাথে আলোচনা করে স্থানীয় আপদ ও ঝুঁকি চিহ্নিত করবেন, সংশ্লিষ্ট বিভাগ/দপ্তর এবং অধিদপ্তর থেকে প্রয়োজনীয় দুর্যোগ সংক্রান্ত তথ্য-উপাত্ত সংগ্রহ, যাচাই-বাছাই ও বিশ্লেষণ এবং প্রাপ্ত তথ্য-উপাত্তের ভিত্তিতে উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির সাথে কর্মশালা আয়োজন, প্রস্তাবিত Countermeasures সমূহ চূড়ান্তকরণ তথা উপজেলা দুর্যোগ ঝুঁকি হ্রাস পরিকল্পনা প্রণয়ন এবং উপজেলা সাব-কমিটি গঠন করে তা’র কারিগরি দিকসমূহ যাচাই-বাছাই ইত্যাদি।

এমতাবস্থায়, উল্লেখিত সহ: পরামর্শক প্রতিষ্ঠানকে প্রয়োজনীয় সহযোগিতা প্রদানের জন্য অনুরোধ করা হলো।

জেলা প্রশাসক
কুড়িগ্রাম।


(মো: আব্দুল্লাহ আল-মামুন)
(যুগ্ম সচিব)

পরিচালক (পরিকল্পনা ও উন্নয়ন) এবং প্রকল্প পরিচালক
LDRRP প্রকল্প
ফোনঃ ০২-২২২২৯৮৭৫৫
ই-মেইল: dplanning@ddm.gov.bd

অনুলিপি: জ্ঞাতার্থে ও কার্যার্থে (জ্যেষ্ঠতার ক্রমানুসারে নয়)।

- ০১। পুলিশ সুপার, কুড়িগ্রাম।
- ০২। উপপরিচালক (পরিকল্পনা) ও প্রজেক্ট ম্যানেজার, এলডিআরআরপি প্রকল্প, দুর্যোগ ব্যবস্থাপনা অধিদপ্তর, ঢাকা।
- ০৩। অতিরিক্ত জেলা প্রশাসক (সার্বিক), কুড়িগ্রাম।
- ০৪। উপপরিচালক, স্থানীয় সরকার, কুড়িগ্রাম।
- ০৫। সিভিল সার্জন, কুড়িগ্রাম।
- ০৬। মেমর, কুড়িগ্রাম পৌরসভা, কুড়িগ্রাম।
- ০৭। নির্বাহী প্রকৌশলী, এলজিইডি, কুড়িগ্রাম।
- ০৮। নির্বাহী প্রকৌশলী, পানি উন্নয়ন বোর্ড, কুড়িগ্রাম।
- ০৯। নির্বাহী প্রকৌশলী, জনস্বাস্থ্য প্রকৌশল অধিদপ্তর, কুড়িগ্রাম।
- ১০। নির্বাহী প্রকৌশলী, গণপুত্র অধিদপ্তর, কুড়িগ্রাম।
- ১১। উপপরিচালক, পরিবেশ অধিদপ্তর, কুড়িগ্রাম।
- ১২। উপপরিচালক, ফায়ার সার্ভিস সিভিল ডিফেন্স, কুড়িগ্রাম।
- ১৩। জেলা শিক্ষা কর্মকর্তা, কুড়িগ্রাম।
- ১৪। জেলা মৎস্য কর্মকর্তা, কুড়িগ্রাম।
- ১৫। উপপরিচালক, কৃষি সম্প্রসারণ অধিদপ্তর, কুড়িগ্রাম।
- ১৬। জেলা প্রাণিসম্পদ কর্মকর্তা, কুড়িগ্রাম।
- ১৭। উপজেলা পরিষদ চেয়ারম্যান, উলিপুর ও চিলমারী, কুড়িগ্রাম।
- ১৮। উপজেলা নির্বাহী কর্মকর্তা, উলিপুর ও চিলমারী, কুড়িগ্রাম।
- ১৯। জেলা ত্রাণ ও পুনর্বাসন কর্মকর্তা, কুড়িগ্রাম।
- ২০। উপজেলা প্রকল্প বাস্তবায়ন কর্মকর্তা, কুড়িগ্রাম সদর, উলিপুর ও চিলমারী, কুড়িগ্রাম।
- ২১। ব্যবস্থাপনা পরিচালক, Geo-Planning for Advanced Development (GPAD) Ltd., Gulshan - 01, Dhaka, Bangladesh.
- ২২। অফিস কপি।

অনুলিপি: জ্ঞাতার্থে।

- ১। টীম লীডার, LDRRP প্রকল্প, দুর্যোগ ব্যবস্থাপনা অধিদপ্তর, ঢাকা।
- ২। মহাপরিচালক মহোদয়ের ব্যক্তিগত কর্মকর্তা, দুর্যোগ ব্যবস্থাপনা অধিদপ্তর, ঢাকা।

১১/৩/২৪
(মো: আব্দুল্লাহ আল-মামুন)

(যুগ্ম সচিব)

পরিচালক (পরিকল্পনা ও উন্নয়ন) এবং প্রকল্প পরিচালক

LDRRP প্রকল্প

ফোনঃ ০২-২২২২৯৮৭৫৫

ই-মেইল: dplanning@ddm.gov.bd

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
উপজেলা নির্বাহী অফিসার কার্যালয়
(দুর্যোগ ব্যবস্থাপনা শাখা)
চিলমারী, কুড়িগ্রাম।
www.chilmari.kurigram.gov.bd

স্মারক নং- ৫১.০১.৪৯০৯.০০০.৪১.০০৩.২৪-৫৩৭

তারিখঃ ০৭ আশ্বিন ১৪৩১
২২/০৯/২০২৪খ্রিঃ

বিষয়ঃ The project for Capacity Enhancement on Formulation And Implementation of Local Disaster Risk Reduction Plan (LDRRP) শীর্ষক প্রকল্পের ২য় কর্মশালা আয়োজন প্রসঙ্গে।

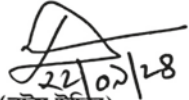
সূত্রঃ দুর্যোগ ব্যবস্থাপনা অধিদপ্তরের স্মারক নং-৫১.০১.০০০০.০৩১.০০৬.০৩.২৪.৪১৫, তারিখঃ ১৫/০৯/২০২৪ইং।

উপর্যুক্ত বিষয় ও সূত্রের পরিপ্রেক্ষিতে জানানো যাচ্ছে যে, দুর্যোগ ব্যবস্থাপনা ও ত্রাণ মন্ত্রণালয়ের আওতাধীন দুর্যোগ ব্যবস্থাপনা অধিদপ্তর (ডিডিএম) এবং জাইকার অর্থায়ন ও অংশিদারিত্বে দুর্যোগ ব্যবস্থাপনা কমিটির অংশগ্রহণে আগামী ২৫/০৯/২০২৪ইং তারিখে উপজেলা সভা কক্ষে সকাল ১০.০০ ঘটিকায় ২য় কর্মশালা অনুষ্ঠিত হবে। সভা সংশ্লিষ্ট সকলকে যথাসময়ে উপস্থিত থাকার জন্য অনুরোধ করা হলো।

সভার আলোচ্য বিষয়সমূহঃ

- ০১। প্রথম কর্মশালা থেকে প্রাপ্ত তথ্য-উপাত্ত উপস্থাপন।
- ০২। বৈজ্ঞানিক পদ্ধতিতে ঝুঁকি মূল্যায়ন ফলাফল বোঝা এবং (DRR) টার্গেট ঠিক করা।
- ০৩। DRR টার্গেট ভুলি পর্যালোচনা এবং পুনঃ বিবেচনা (টেবিল টপ কাজ)
- ০৪। প্রতিটি ইউনিয়ন থেকে উপস্থাপন এবং এর কাছ থেকে প্রতিক্রিয়া।
- ০৫। বিবিধ।

জনাব..... সদস্য
উপজেলা দুর্যোগ ব্যবস্থাপনা সাবে-কমিটি, চিলমারী, কুড়িগ্রাম।


(নঈম উদ্দিন)

উপজেলা নির্বাহী অফিসার (ভারপ্রাপ্ত)
চিলমারী, কুড়িগ্রাম।

ফোনঃ ০২-৫৮৯৯৫২৬০১

e-mail: unochilmari@mopa.gov.bd

অনুলিপি- সদয় জ্ঞাতার্থে ও কার্যার্থেঃ

- ০১। জেলা প্রশাসক, কুড়িগ্রাম।
- ০২। জেলা ত্রাণ ও পুনর্বাসন কর্মকর্তা, কুড়িগ্রাম।
- ০৩। উপজেলা অফিসার, চিলমারী, কুড়িগ্রাম।
- ০৪। অফিস কপি।

পপপ্রজাতন্ত্রী বাংলাদেশ সরকার
প্রকল্প পরিচালকের কার্যালয়

The Project for Capacity Enhancement on Formulation and Implementation of
Local Disaster Risk Reduction Plan (LDRRP) শীর্ষক প্রকল্প
দুর্যোগ ব্যবস্থাপনা অধিদপ্তর, দুর্যোগ ব্যবস্থাপনা ভবন

৯২-৯৩ মহাপালাবা/৪, ঢাকা-১১১১

www.ddm.gov.bd

স্মারক নং- ৫১.০১.০০০০.০৩১.০০৬.০৩.২৩. ৩৪০

তারিখ: ১১. ০৩. ২০২৪ খ্রি.

বিষয়: স্থানীয় দুর্যোগ ঝুঁকি হ্রাস/প্রশমন পরিকল্পনা প্রণয়ন বিষয়ক অবহিতকরণ সভা।

উপর্যুক্ত বিষয়ের পরিস্রেক্ষিতে জানানো যাচ্ছে যে, দুর্যোগ ব্যবস্থাপনা অধিদপ্তর কর্তৃক বাস্তবায়নধীন "The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan (LDRRP)" শীর্ষক পাইলট প্রকল্পটি কক্সবাজার জেলার কক্সবাজার সদর ও চকরিয়া; সুনামগঞ্জ জেলার ছাতক এবং ভগ্নাবধূর এবং কুড়িগ্রাম জেলার উলিপুর ও চিলমারী উপজেলায় জাপান ইন্টারন্যাশনাল কো-অপারেশন এজেন্সি (JICA) এর সাথে অংশীদারিত্বে বাস্তবায়িত হচ্ছে। ইতোমধ্যে কক্সবাজার এবং সুনামগঞ্জ জেলার উপরোক্ত ০৪টি উপজেলার UzDRRPs চূড়ান্ত করা হয়েছে এবং অবশিষ্ট কুড়িগ্রাম জেলার ০২টি উপজেলার UzDRRPs প্রক্রিয়ধীন।

উক্ত পাইলট উপজেলার (উলিপুর এবং চিলমারী) জন্য স্থানীয় দুর্যোগ ঝুঁকি হ্রাস পরিকল্পনা প্রণয়নের (LDRRP) লক্ষ্যে উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির (ইউজেডডিএমসি) সম্মানিত সদস্যদের অংশগ্রহণে একটি অবহিতকরণ সভা নিম্নলিখিত তারিখে অনুষ্ঠিত হবে।

উপজেলার নাম	সভার তারিখ ও সময়	স্থান
১. চিলমারী	১৯/০৩/২০২৪ইং তারিখ রোজ মঙ্গলবার সকাল ১০:০০ টায়	উপজেলা সন্মেলন কক্ষ, চিলমারী, কুড়িগ্রাম
২. উলিপুর	২০/০৩/২০২৪ইং তারিখ রোজ বুধবার সকাল ১০:০০ টায়	উপজেলা সন্মেলন কক্ষ, উলিপুর, কুড়িগ্রাম

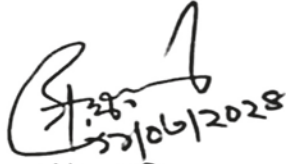
উল্লেখ্য যে, উক্ত কার্যক্রম মাঠ পর্যায়ে বাস্তবায়নে সহ: পরামর্শক প্রতিষ্ঠান হিসেবে "Geo-Planning for Advanced Development (GPAD) Ltd., Gulshan - 01, Dhaka, Bangladesh" কে নিয়োগ দেয়া হয়েছে।

সভায় সংশ্লিষ্ট সকলকে যথা সময়ে উপস্থিত থাকার জন্য অনুরোধ করা হলো।

সভার আলোচ্যসূচি:

- ১। পাইলট প্রকল্পের রূপরেখা;
- ২। স্থানীয় দুর্যোগ ঝুঁকি হ্রাস পরিকল্পনা প্রণয়নের গুরুত্ব এবং কৌশল নির্ধারণ;
- ৩। বিবিধ।

উপজেলা নির্বাহী কর্মকর্তা
চিলমারী এবং উলিপুর, কুড়িগ্রাম।


তারিখ: ১১/০৩/২০২৪

(স্বাক্ষর: ইউনুছ আলী)

উপপরিচালক (পরিকল্পনা), ডিডিএম

এবং প্রকল্প ব্যবস্থাপক, LDRRP

ফোন: ০২-২২২২১৮৭৫৫

ই-মেইল: ddplanning@ddm.gov.bd

স্মারক নং- ৫১.০১.০০০০.০৩১.০০৬.০৩.২৩. ৩৪০

তারিখঃ ১১. ০৩. ২০২৪ খ্রি.

বিতরণ: আভ্যর্থ/আভ্যর্থ ও কার্যার্থে (অন্যতম ক্রমানুসারে নয়)।

- ০১। পরিচালক (পরিকল্পনা ও উন্নয়ন) এবং প্রকল্প পরিচালক, এলডিআরআরপি প্রকল্প, দুর্যোগ ব্যবস্থাপনা অধিদপ্তর, ঢাকা।
- ০২। জেলা প্রশাসক, কুড়িগ্রাম।
- ০৩। পুলিশ সুপার, কুড়িগ্রাম।
- ০৪। উপসচিব (পরিকল্পনা-৩), দুর্যোগ ব্যবস্থাপনা ও ত্রাণ মন্ত্রণালয়, বাংলাদেশ সচিবালয়, ঢাকা।
- ০৫। অতিরিক্ত জেলা প্রশাসক (সার্বিক), কুড়িগ্রাম।
- ০৬। উপপরিচালক, স্থানীয় সরকার, কুড়িগ্রাম।
- ০৭। উপপরিচালক, পরিবেশ অধিদপ্তর, কুড়িগ্রাম।
- ০৮। সিভিল সার্জন, কুড়িগ্রাম।
- ০৯। নির্বাহী প্রকৌশলী, এলজিইডি, কুড়িগ্রাম।
- ১০। নির্বাহী প্রকৌশলী, পানি উন্নয়ন বোর্ড, কুড়িগ্রাম।
- ১১। নির্বাহী প্রকৌশলী, জনস্বাস্থ্য প্রকৌশল অধিদপ্তর, কুড়িগ্রাম।
- ১২। নির্বাহী প্রকৌশলী, গণপুত্র অধিদপ্তর, কুড়িগ্রাম।
- ১৩। প্রতিনিধি, আইকা বাংলাদেশ কান্ট্রি অফিস, ঢাকা।
- ১৪। জেলা শিক্ষা কর্মকর্তা, কুড়িগ্রাম।
- ১৫। জেলা মৎস্য কর্মকর্তা, কুড়িগ্রাম।
- ১৬। উপপরিচালক, কৃষি সম্প্রসারণ অধিদপ্তর, কুড়িগ্রাম।
- ১৭। জেলা প্রাণিসম্পদ কর্মকর্তা, কুড়িগ্রাম।
- ১৮। মেয়র, উলিপুর পৌরসভা, কুড়িগ্রাম।
- ১৯। উপজেলা পরিষদ চেয়ারম্যান, উলিপুর ও টিলমারী, কুড়িগ্রাম।
- ২০। উপজেলা নির্বাহী কর্মকর্তা, উলিপুর ও টিলমারী, কুড়িগ্রাম। (স্থানীয়ভাবে সভাটি আয়োজনে সার্বিক সহযোগিতা প্রদানের অনুরোধসহ)।
- ২১। জেলা ত্রাণ ও পুনর্বাসন কর্মকর্তা, কুড়িগ্রাম।
- ২২। উপজেলা প্রকল্প বাস্তবায়ন কর্মকর্তা, উলিপুর ও টিলমারী, কুড়িগ্রাম। (সভাটি সফলভাবে সম্পাদনে প্রয়োজনীয় ব্যবস্থা গ্রহণের অনুরোধসহ)।
- ২৩। ব্যবস্থাপনা পরিচালক, Geo-Planning for Advanced Development (GPAD) Ltd., Gulshan - 01, Dhaka, Bangladesh।
- ২৪। মহাপরিচালক মহোদয়ের ব্যক্তিগত সহকারী (মহাপরিচালক মহোদয়ের সদয় অবগতির জন্য), দুর্যোগ ব্যবস্থাপনা অধিদপ্তর, ঢাকা।
- ২৫। অফিস কপি।



(মো: ইউনুছ আলী)

উপপরিচালক (পরিকল্পনা), ডিডিএম
এবং প্রকল্প ব্যবস্থাপক, LDRRP প্রকল্প
ফোন: ০২-২২২২৯৮৭৫৫
ইমেইল: ddplanning@ddm.gov.bd

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
উপজেলা নির্বাহী অফিসারের কার্যালয়
(দুর্যোগ ব্যবস্থাপনা শাখা)
চিলমারী, কুড়িগ্রাম।
www.chilmari.kurigram.gov.bd

স্মারক নং-৫১.০১.৪৯০৯.০০০.৪১.০০৬.২৩-৯৮

তারিখঃ ০৫ মাঘ ১৪৩১
১৯ জানুয়ারি ২০২৫

বিষয়ঃ "The project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan (LDRRP)" শীর্ষক প্রকল্পের ৩য় এবং চূড়ান্ত কর্মশালা আয়োজন

সূত্রঃ দুর্যোগ ব্যবস্থাপনা অধিদপ্তরের স্মারক নং-৫১.০১.০০০০.০৩১.০০৬.০৩.২৪.৪৬৬ তারিখঃ ১৩/০১/২০২৫খ্রিঃ

উপর্যুক্ত বিষয় ও সূত্রের পরিপ্রেক্ষিতে জানানো যাচ্ছে যে, দুর্যোগ ব্যবস্থাপনা এবং ত্রাণ মন্ত্রণালয়ের আওতাধীন দুর্যোগ ব্যবস্থাপনা অধিদপ্তর (ডিডিএম) এবং জাইকার অর্থায়নে ও অংশীদারিত্বে বাস্তবায়নাধীন পাইলট প্রকল্পের আওতায় উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির সদস্যদের অংশগ্রহণে ৩য় এবং চূড়ান্ত কর্মশালা আয়োজন করা হয়েছে।

উক্ত Upazila Committee কমিটির সদস্যদের আগামী ২৯/০১/২০২৫খ্রিঃ তারিখে উপজেলা সভা কক্ষে সকাল ১০:০০ ঘটিকায় অনুষ্ঠিত হবে। সভায় সংশ্লিষ্ট সকলকে যথাসময়ে উপস্থিত থাকার জন্য অনুরোধ করা হলো।

সবার আলোচ্য বিষয়সমূহঃ

০১। কর্ম-পরিকল্পনা (Countermeasures এর তালিকা এবং মানচিত্র) এবং অগ্রাধিকার প্রকল্পগুলিসহ উপজেলা ডিআআর অ্যাকশন প্লান (UzDRRAP) চূড়ান্ত করণ।।

০২। বিবিধ।

উপজেলা.....চিলমারী,
সদস্য, উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি

(সবুজ কুমার বসাক)
উপজেলা নির্বাহী অফিসার

চিলমারী, কুড়িগ্রাম।

ফোন : ০২-৫৮৯৯৫২৬০১

e-mail: unochilmari@mopa.gov.bd

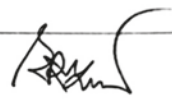
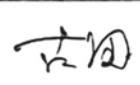
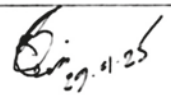
অনুলিপি-সদয় দ্ব্যতীর্ণ ও কার্যার্থে:

- ০১। পরিচালক (পরিকল্পনা ও উন্নয়ন) এবং প্রকল্প পরিচালক (LDRRP)" শীর্ষক প্রকল্প, ঢাকা
- ০২। জেলা প্রশাসক, কুড়িগ্রাম।
- ০৩। জেলা ত্রাণ ও পুনর্বাসন কর্মকর্তা, কুড়িগ্রাম।
- ০৪। উপজেলা অফিসার, চিলমারী, কুড়িগ্রাম।
- ০৫। অফিস কপি।

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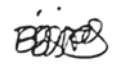
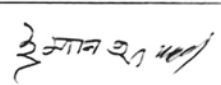
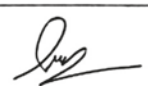
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
01.	Kazi Md. Badaruzzaman	Deputy Director (Deputy Sec.)	DDM	01760800151	
02.	Sabuj Kumar Bosak	UNO Chilmari	UNO	01709-974507	
03.	Md. Sohel Kabir	UPIO	Chilmari	01999-249334	
04.	Sumita Akihito	JICA Expert Team			
05.	Bimal Kanti Kuri	JICA Expert Team	LDRRP Expert	01711-183907	

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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
06.	Bibekananda Biswas	Field Facilitator	RDRS Bangladesh	01788191440	
07.	Md. Imran Ali	UP Member	Nayarchat UP	01726264055	
08.	Md. Nuruzzaman SHAH	UPDO	Chilmari na.	01759805693	
09.	Shaukat Hossain Sohel	Reporter	M. Zamin	01715572784	
10.	Md. Lutfi Mohamedi			01920-105939	Mohamedi

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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
11.	মোঃ ওয়াকিল হোসেন	উপজেলা পরিষদ সদস্য (কৃষি)	কৃষি সম্প্রদায় সেবা, চিলমারি	০১৭৬৬০৭১১০০	
12.	ডাঃ মোঃ আলী হোসেন	উপজেলা স্বাস্থ্য কর্মকর্তা	স্বাস্থ্য	০১৭২১৬৩৬৬৬৬	
13.	ডাঃ মোঃ মাহবুবুল হক	উপজেলা পরিষদ সদস্য (স্বাস্থ্য)	স্বাস্থ্য	০১৭১১-০৬৪৩২৭	
14.	মোঃ হুমায়ুন কবীর	উপজেলা পরিষদ সদস্য (শ্রম ও কর্মসংস্থান)	শ্রম ও কর্মসংস্থান	০১৭৫৫৭৪৩৭৭২	HENA
15.	মোঃ মাহবুবুল হক	উপজেলা পরিষদ সদস্য (শ্রম ও কর্মসংস্থান)	শ্রম ও কর্মসংস্থান	০১৭২৭৯৫৭৬৩২	

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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
16.	KAMOL KUMAR	SI	POLICE	০১৬৪৩-৪৬৭১৪১	
17.	MD. ALAUDDIN BASUNIA	UCF Chilmari Kurigram	Food Department	০১৭১৪-৪৬৩৪২৩	
18.	Abdul Latif	UPSO	Family Planning	০১৭১৪৪২১১২	
19.	KM Inesudul Rahman	UCO	Cooperative	০১৭১৪৫৩০২০৭	
20.	MD. Golam Ashok	Chairman	Panna up	০১৭১৬-৪০৪৫৩৫	

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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
21.	Abdullah Alom B. K. M.	Businessman & Politician		01718659714	
22.	কমঃ মোঃ জাহাঙ্গীর	মহাপ্রাচীর সচিব	স্বাস্থ্য ও পরিবার সেবা	০১৭৪৬১৫২৫০২	
23.	কমঃ মোঃ জাহাঙ্গীর	মহাপ্রাচীর সচিব	চিলমারী স্বাস্থ্য ও পরিবার সেবা	০১৭১৭৪৬১৫২৫০২	
24.	কমঃ মোঃ জাহাঙ্গীর মহাপ্রাচীর সচিব	মহাপ্রাচীর সচিব	চিলমারী স্বাস্থ্য ও পরিবার সেবা	০১৭১৬০৭৫০৬৩	
25.	কমঃ মোঃ জাহাঙ্গীর মহাপ্রাচীর সচিব	মহাপ্রাচীর সচিব	চিলমারী স্বাস্থ্য ও পরিবার সেবা	০১৭১৬৬৩৪৭১০	

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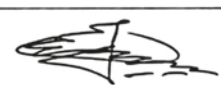
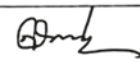
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
26.	S-M-Saukat Alam	URDO	BRDB. Chilmari	01710569256	
27.	Mst. Sohali Parvin	UCCAO	Chilmari	01724-913930	
28.	MD. MOSHARAF HOSSAIN AKAND		Chilmari	01719922800	
29.	Md. Mahfujar Rahman	RM	Friendship Chilmari	01719703580	
30.	Md. Shafiqul	UPD	Nayan Hat up	01712-481571	

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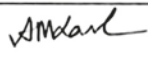
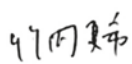
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
31.	শ্রী: হাকিমুল্লাহ	ইউ.পি.এস		01717-865548	
32.	শ্রী: হুমায়ুন কবীর	ইউ.পি.এস		01714798131	
33.	শ্রী: আমিনুল ইসলাম	Lea Monitoring officer LGED		01704858692	
34.	উপাচার্য মহোদয়	স্বাস্থ্য সফলতা	DPHE	01714860025	
35.	ডাঃ জাহাঙ্গীর আলম সরকার	আলোচনামূলক	BDRC-H	01733-297943	

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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
36.	শ্রী: Basimul Hossain	U.F.O	DoF		
37.	Abu-Hena Mostafa Kamal	DRR PSp.	JET, JICA	01725223735	
38.	NATSUKI TAKIUCHI	DRR Program Manager	JET	Takuchi-ETA Orginob-1.jp	
39.	MD: MINIRUJ HAN	MLSS		01756885124	
40.	ASRAFUL	h		01957547064	

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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
41.	MD: Zabirul Islam	Constable	Police	01710541552	Zabirul
42.	মু. আব্দুল হক	সি.এস.ও.	গণপ্রজাতন্ত্রী বাংলাদেশ সরকার	01732663251	মু. আব্দুল হক
43.	MD. Abu Sayad	Component	Chartered Professional	01718864682	Abu Sayad
44.	MD. TAHER ALI	USEO.	Up. Secondary Education Officer.	01715650775	TaHER
45.	MD. NASIM UDDIN	A.O	UNO Office Chilmari	01717164576	Nasim

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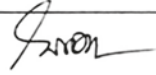
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
46.	Md. Abdul Kader	Sub-Divisional Engineer	Bangladesh Water Development Board	01737508797	Abdul Kader 29.01.2025
47.	Md Sazmul Hassan	Jr. GIS Coordinator	GPAD	01739 664925 sazmul@gpad.com.bd	Sazmul Hassan
48.	MD Masud Parvez	Field Facilitator	GPAD	01773-033616	Parvez
49.	MD. Rokibur Rahman	u	GPAD	01722038833	Rokibur Rahman
50.	MD: Ashikur Rahman	GIS operator	GPAD	01706856456	Ashikur

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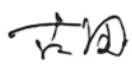
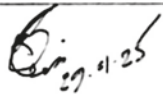
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
51.	MD. REJAUR RAHMAN	Disaster Management Expert	GPAD	01717087089 reja@gpad.com.bd	
52.	MOST Sayeda Khatun	Ansar VDP Chilmari MD VDP	Ansar VDP	0174892957	
53.	মোঃ জাহিদুল হক	আসস		০১৭২৪০৬২৫	জাহিদুল
54.	মোঃ জাহাঙ্গীর	DR Coordinator	GPAD	01707592956	
55.					

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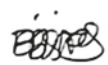
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
01.	Kazi Md. Badaruzzaman	Deputy Director (Deputy Sec.)	DDM	01760800151	
02.	Sabuj Kumar Borsala	UNO Chilmari	UNO	01709-974507	
03.	Md. Sohel Hossain	UPIO	Chilmari	01939-249334	
04.	Funata Akihito	JICA Expert Team			
05.	Bimal Kanti Kuri	JICA Expert Team	LDRRP Project	01711-183907	

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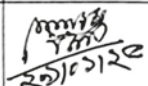
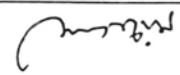
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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
06.	Bibekananda Biswas	Field Facilitator	RDRS Bangladesh	01788191440	
07.	Md. Imran Ali	UP Member	Nayarkhat Up	01726264055	
08.	MD. Nuruzzaman SHAH	UP DO	Tubomana	01759805693	
09.	Shaukat Hossain Sohel	Reporter	M. Zamin	01715572784	
10.	Md. Lutfi Mohamedi			01720105939	Mohedi

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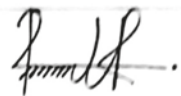
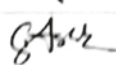
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
11.	মুন্সি মোঃ আলী হোসেন	মুন্সি (সি.ও.সি.)	মুন্সি (সি.ও.সি.)	02963077530	
12.	মোঃ মোস্তাফিজুর রহমান	মুন্সি (সি.ও.সি.)	মুন্সি (সি.ও.সি.)	01721699676	
13.	মোঃ মোস্তাফিজুর রহমান	মুন্সি (সি.ও.সি.)	মুন্সি (সি.ও.সি.)	01711-068324	
14.	মোঃ মোস্তাফিজুর রহমান	মুন্সি (সি.ও.সি.)	মুন্সি (সি.ও.সি.)	01055743792	HEMA
15.	মোঃ মোস্তাফিজুর রহমান	মুন্সি (সি.ও.সি.)	মুন্সি (সি.ও.সি.)	01727957632	

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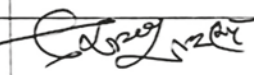
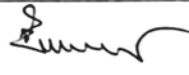
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
16.	KAMOL KUMAR	SI	POLICE	01643-469141	
17.	MD. ALAUDDIN BASUNIA	UCF Chilmari Kurigram	Food Department	01218-813823	
18.	Abdul Latif	USO	Family Planning	017145821512	
19.	KM Inasudur Rahman	UCO	Cooperative	01714590209	
20.	MD. Golam Ashok	Chairman	Samna up	04716-808535	

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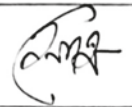
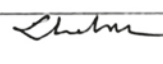
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
21.	Abulhasan Alom Bokul	Businessman & Politician		01718659714	
22.	ডাঃ ডাঃ সত্যেন্দ্র	ম্যাজিস্ট্রেট সত্যেন্দ্র	স্বাস্থ্য সেবা উপায়	01986152602	
23.	ডাঃ আবুল কালাম আজাদ	স্বাস্থ্য সেবা উপায়	চিলমারী উপজেলা স্বাস্থ্য সেবা উপায়	01719467385	
24.	ডাঃ আবুল কালাম আজাদ	স্বাস্থ্য সেবা উপায়	স্বাস্থ্য সেবা উপায়	01716095063	
25.	ডাঃ আবুল কালাম আজাদ	স্বাস্থ্য সেবা উপায়	স্বাস্থ্য সেবা উপায়	01716634710	

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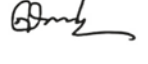
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
26.	S-M-Sawkat Alam	URDO	BRDB, Chilmari	01710569256	
27.	Mst. Sohali Parvin	Uwao	Chilmari	01724-913930	
28.	MD. MOSHARAF HOSSAIN AKAND		Chilmari	01719922800	
29.	Mr. Mahfuzur Rahman	RM	Friendship Chilmari	01719703580	
30.	Mr. Shahinul	Upo	Nayanhatup	01712-481571	

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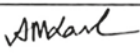
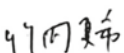
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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
31.	শ্রী: ব্রাহ্মজ্ঞান	ইউ. পি. এম.		01717-865548	
32.	শ্রী: সফিকুল ইসলাম	ইউ. পি. এম.		01714798131	
33.	শ্রী: আমিনুল ইসলাম	Lead Monitoring officer LGED		01704858992	
34.	উপাচার্য মিঃ	স্বাস্থ্য কর্মসূচী	DPHE	01714860025	
35.	ডাঃ এম নূরুল আমিন সরকার	আল্গাবন অফিস	BDRC	01733-297943	

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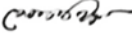
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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
36.	MD. Basemgarni Khan	U.F.O	DoF		
37.	Abu-Hena Mostafa Kamal	DRRPSp.	JET, JICA	01775223735	
38.	NATSUKI TAKIUCHI	BPR Program Manager	JET	Takuchi-ETA Organization	
39.	MD: MINIRUJ ZAMAN	MLSS		01756885124	
40.	ASRAFUL	/		01957547064	

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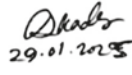
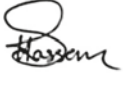
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
41.	MD: Zabirul Islam	conapsible	Police	01710541552	
42.	MD. ABU HASAN ALI	MD. ABU HASAN ALI	MD. ABU HASAN ALI	01735663951	
43.	MD. ABU SAYED	Component	Chilmari Presses	01718864682	
44.	MD. TAHER ALI	USEO.	Up. Secondary Education Officer.	01715650775	
45.	MD. NASIM UDDIN	A.O	UNO Office Chilmari	01717164576	

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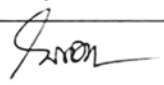
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46.	Md. Abdul Kader	Sub-Divisional Engineer	Bangladesh Water Development Board	01737508797	
47.	Md Sazmul Hassan	Jr. GIS Coordinator	GPAD	01739 664925 sazmul@gpad.com.bd	
48.	MD Masud Parvez	Field Facilitator	GPAD	01773-033616	
49.	MD. Rokibur Rahman	u	GPAD	01722038833	Rokibur Rahman
50.	MD: Ashikur Rahman	GIS operator	GPAD	01706856456	

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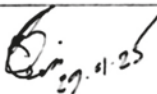
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51.	MD. REJAUR RAHMAN	Disaster Management Expert	GPAD	01717087089 reja@gpad.com.bd	
52.	MOST Sayeda Khatun	Ansar VDP Chilmari VDP	Ansar VDP	0174882957	
53.	মোঃ জামিল হক	জামিল		০১৭২৪০৬২৮	জামিল
54.	মোঃ জামিল হক	DR Coordinator	GPAD	01797542956	
55.					

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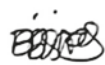
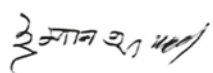
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01.	Kazi Md. Badaruzzaman	Deputy Director (Deputy Sec.)	DDM	01760800151	
02.	Sabuj Kumar Biswas	UNO Chilmari	UNO	01709-974507	
03.	Md. Sohel Hossain	UPIO	Chilmari	01999-249334	
04.	Furuta Akihito	JICA Expert Team			
05.	Bimal Kanti Kurin	JICA Expert Team	LDRRP Expert	01711-183907	

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06.	Bibekananda Biswas	Field Facilitator	RDRS Bangladesh	01788191440	
07.	Md. Imran Ali	UP Member	Nayazhat UP	01726264055	
08.	Md. Nuruzzaman SHAH	UPDO	Tuboroma nd.	01759805643	
09.	Shaukat Hossain Sohel	Reporter	M. Zamin	01715572784	
10.	Md. Lutfi Mohamedi			01920-105939	Mohamedi

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11.	মোঃ মাহমুদ আলী	উপজেলা পরিষদ সদস্য (কৃষি)	উপজেলা পরিষদ, চিলমারী	০১৭৬৬৩৭১৩৩	
12.	ডাঃ মোঃ মাহমুদ আলী	উপজেলা পরিষদ সদস্য	উপজেলা পরিষদ	০১৭২১৬৩৬৬৬	
13.	ডাঃ মোঃ মাহমুদ আলী	উপজেলা পরিষদ সদস্য	উপজেলা পরিষদ	০১৭১১-০৬৪৩২৩	
14.	মোঃ মাহমুদ আলী	উপজেলা পরিষদ সদস্য	উপজেলা পরিষদ	০১৭৫৫৭৪৩৭০২	HEMA
15.	মোঃ মাহমুদ আলী	উপজেলা পরিষদ সদস্য	উপজেলা পরিষদ	০১৭২৭৯৫৬৩২	

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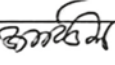
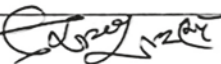
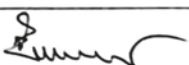
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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
16.	KAMOL KUMAR	SI	POLICE	০১৭৩-৪৬৭১৭১	
17.	MD. ALAUDDIN BASUNIA	UCF Chilmari Kurigram	Food Department	০১৭১৮-৪৬৪৩৩	
18.	Abdul Latif	UPSO	Family Planning	০১৭১৪৪২১১৭	
19.	KM Inasudul Rahman	UCO	Cooperative	০১৭১৪৫৯০২০৯	
20.	MD. Golam Ashok	Chairman	Bamna up	০১৭১৬-৪০৪৫৩৫	

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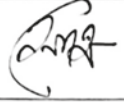
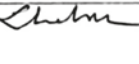
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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
21.	Abulhasan Alam Gokul	Businessman & Politician		01718659714	
22.	কবি: জন: সত্যনাথ	সাহিত্যিক/লেখক সত্যনাথ	সংস্কৃতি/সংস্কৃতি সত্যনাথ	01986162502	
23.	শ্রী. খান/খান/খান	সহকারী সহকারী	সহকারী সহকারী	01719467785	
24.	সত্যনাথ/সত্যনাথ/সত্যনাথ	সহকারী সহকারী	সহকারী সহকারী	01716095063	
25.	সত্যনাথ/সত্যনাথ/সত্যনাথ	সহকারী সহকারী	সহকারী সহকারী	01716634710	

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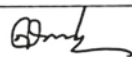
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
26.	S-M-Saukat Alam	URDO	BRDB. Chilmari	01710569256	
27.	Ms. Sohali Parvin	Uwao	Chilmari	01724-913930	
28.	MD. MOSHARAF HOSSAIN AKAND		Chilmari	01719922800	
29.	Mr. Mahfujar Rahman	RM	Friendship Chilmari	01719703580	
30.	Mr. Shafiqul	UPO	Nayakhatup	01712-481571	

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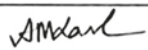
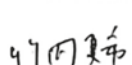
Date: 29th January 2025

Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
31.	শ্রী: প্রাকান্ত কান্ত	ইস. প্র. মহা		01717-865548	
32.	শ্রী: ব্রজেন কান্ত	ইস. প্র. মহা		01714798131	
33.	শ্রী: আমিন উল্লাহ	LGED Monitoring Officer		0170485592	
34.	ইয়া কান্ত মিত্র	স্বাস্থ্য সংশোধন	DPHE	01714860025	
35.	প্র. গ. কান্ত আমিন সহকারী	আবাসন অফিস	BDRC-H	01733-297943	

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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
36.	শ্রী. ব্রজেন কান্ত	U.F.O	DoF		
37.	Abu-Hena Mostafa Kamal	DRRPSp.	JET, JICA	01725223735	
38.	NATSUKI TAKUCHI	DRR Program Manager	JET	Takuchi-470 091061-470	
39.	MD: MINIRUJ JLHAN	MLSS		01756885124	
40.	ASRAFUL	/		01957547064	

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41.	MD: Zabirul Islam	Consistent	Police	01710541552	Zabirul
42.	মো. মোস্তাফিজ উল্লাহ	সি.এস.ও.	কমিউনিটি	01732663951	মোস্তাফিজ
43.	MD. Abu Sayad	Component	Chilmari Prasetas	01718864682	Abu Sayad
44.	MD. TAHER ALI	USEO.	Up. Secondary Education Officer.	01715650775	TaHER
45.	MD. NASIM UDDIN	A.O	UNO Office Chilmari	01717164576	Nasim

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Sl. No.	Name of Participant	Designation	Name of Department	Contact Detail	Signature
46.	MD. Abdul Kader	Sub-Divisional Engineer	Bangladesh Water Development Board	01737508797	Abdul Kader 29.01.2025
47.	Md Sazmul Hassan	Jr. GIS Coordinator	GPAD	01739 664925 sazmul@gpad.com.bd	Sazmul Hassan
48.	MD Masud Parvez	Field Facilitator	GPAD	01773-033616	Parvez
49.	MD. Rokibur Rahman	u	GPAD	01722038833	Rokibur Rahman
50.	MD: Ashikur Rahman	GIS Operator	GPAD	01706856456	Ashikur

Attachment 3: Workshop and others activity photos in Chilmari



1st Meeting with UzSC



1st Workshop with UzDMC



Meeting with UDMC



2nd Workshop with UzDMC



Meeting with line-agencies to validate countermeasures



2nd Meeting with UzSC



Final Workshop with UzDMC



Chilmari UNO presenting the UzDRRAP at DDMC

