

Upazila Disaster Risk Reduction Action Plan

Chhatak, Sunamganj

November 2023

**Upazila Disaster Management Committee
(UzDMC) of Chhatak**

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*Implemented by the Department of Disaster Management (DDM)
Technical Assistance from the JICA Expert Team (JET) of “The Project for Capacity Enhancement on
Formulation and Implementation of Local Disaster Risk Reduction Plan”, and the Sancred Welfare
Foundation (SWF)*

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 been 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 zone and susceptible to medium to large earthquakes. These disasters cause not only direct physical damages to the lives and assets, but also indirect and consequent losses to various sectors such as agricultural sectors, food security, water, health and sanitation, significantly impacting 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 achieving 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 to execute 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 the enhancing future development through disaster risk reduction in the country.



Director General
Department Of
Disaster Management

Message

While Bangladesh is advancing rapidly on the path of development, natural disasters are hindering the ongoing dynamic development of Bangladesh. Although Bangladesh is disaster-prone due to geographical reasons, climate change adds insult to injury as one or the other disaster strikes the nation almost every year. As a result, the country's resources and lives are being lost on a large scale, which impedes the pace of development consequently. Natural disasters hampering sustainable development, therefore, make it impossible to achieve the desired progress.

In this context, the Bangladesh government has placed more importance on disaster risk reduction and pre-disaster investment, as well as in light of the Sendai Framework for Disaster Risk Reduction (SFDRR), the Ministry of Disaster Management and Relief (MoDMR) and the Department of Disaster Management (DDM) has taken a project named "The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan" with the support of JICA. This project is piloting the formulation of the local disaster risk reduction plans in six Upazilas of three districts which had been selected in consideration of the different types of hazards, namely Cox's Bazar, Sunamganj, and Kurigram. This pilot activity is finally aimed at the establishment of the mechanism to spread this initiative nationwide in the country, by the leadership of the MoDMR and the DDM.

The local Upazila Disaster Risk Reduction Action Plan (UzDRRAP) formulation is significantly vital for Upazilas with a view to eliminating the actual damage and loss in their areas. The planning in cooperation among related agencies can promote sufficient proactive disaster risk management that the Bangladesh government has also emphasized, instead of post-disaster response.

It is my great pleasure to implement this pilot project activity with the strong leadership of the Upazila DMC and other stakeholders. This plan will contribute a lot to achieving the vision of 2021 of the Bangladesh government. We are hopeful that the success of this pilot project will add a positive dimension to the development process and this process will later be expanded across the country.

Md. Mijanur Rahman
(Additional Secretary)



Project Director

LDRRP Project

and

Director

Planning & Development

Department Of Disaster Management

Message



Natural disaster is the main obstacle to the development of this beautiful land of natural beauty. Almost every year this country is affected by cyclones, storm surges, landslides, flash floods, seasonal floods, thunderstorms, lightning, and so on, due to its geographical location. The amount of damage to property, crops, houses and infrastructure caused by the disasters is retarding the development of the country, which results in a decrease in GDP as well as is a great barrier to sustainable development.

In aspect to this and in light of the Sendai Framework for Disaster Risk Reduction (SFDRR), the Ministry of Disaster Management and Relief (MoDMR) and the Department of Disaster Management (DDM) initiated a project named “The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan” with the support of JICA. Under this project, six Upazilas of three districts, which are 1) Cox’s Bazar Sadar and Chakaria Upazilas in Cox’s Bazar District, 2) Chhatak and Jagannathpur Upazilas in Sunamganj District, and 3) Chilmari and Ulipur Upazilas in Kurigram District were selected as pilot sites in consideration of their different types of hazards due to their diverse geographical features, to formulate and implement the Upazila Disaster Risk Reduction Action Plans (UzDRRAPs). Since the project started in 2021, we have completed formulating the UzDRRAPs of Cox’s Bazar and Sunamganj districts through the active participation of all stakeholders as this plan shows, and will start the project activities in Kurigram district soon in 2024. I firmly believe that the development and implementation of the UzDRRAP is significant for all Upazilas to reduce the rate of damage and loss of human and resources by disasters, which will support achieving the vision of 2021 of the Bangladesh government.

As a Project Director, it is my immense pleasure to accomplish this intended project activity through the strong leadership and guidance of the Upazila DMC and Union DMC, as well as the active participation and contributions of other DRR-related agencies. This plan will take us on the path of prosperity by reducing the disaster risks and will play a significant role in the development of the country.

Md. Firoz Uddin
(Additional Secretary)



Deputy Commissioner
Sunamganj District

Message

Sunamganj district, which consists of twelve Upazilas and four municipalities, is rich in various high-quality mineral resources such as sand, limestone, pebbles, and coal, as well as a major source of the country's fishery. While such natural beauties attract local and foreign tourists throughout the year, the district is at risk of disasters due to its geographical conditions such as the adjacency to Meghalaya Hill, and low-lying areas surrounded by Haor and the backward district as located in the foothills of Meghalaya, India. Disasters, especially flash floods, occur almost every year in Sunamganj and adversely affect the lives and livelihood of the people. Due to the flash flood, only one crop of Boro paddy in a year gets lost, and hence the farmers face difficulty to harvest the crop timely. Furthermore, lightening has been a major calamity for the past few years resulting in many casualties in this district. Disaster is an obstacle on the way to development of Sunamganj.

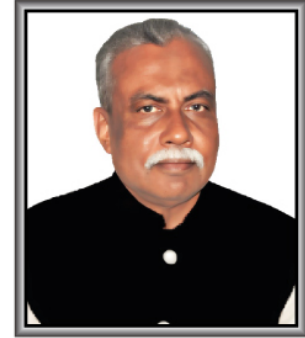
Last few years, the Government of Bangladesh has focused on disaster risk reduction and disaster preparedness, in addition to the post-disaster relief and rehabilitation. "The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan", which is led by the Ministry of Disaster Management and Relief (MoDMR) and the Department of Disaster Management (DDM) with the support of JICA and is piloting in two Upazilas - Chhatak and Jagannathpur of Sunamganj district, is one of such initiatives. The pilot activity under this project was started in November 2022 and finally prepared the Upazila Disaster Risk Reduction Action Plans (UzDRRAPs) of both Upazilas by the active participation of public representatives, govt. officials of all departments and all stakeholders. I expect that the UzDRRAP formulation is very important for this district to reduce disaster damage and loss in the future.

I hereby would like to express my gratitude that this plan is completed within the stipulated time under the overall guidance of the Upazila Disaster Management Committee. I hope that the people of Sunamganj district will be benefited a lot through the proper implementation of the project. Finally, I would like to thank all those who were involved in the preparation and formulation of this Plan.

Dider-E- Alam Mohammad Maksud Chowdhury



Upazila Chairman
Chhatak Upazila Parishad
Sunamganj District



Message

Chhatak Upazila is a famous place in Sunamganj District for Cement factories, as several cement companies are located here. The area of this Upazila is 440.48 km² where 3 97642 people are residing under 13 unions (521 villages) and one municipality. Meghalaya Province of India is in the North, Doarabazar Upazila is in the West, Jagannathpur Upazila is in the South, Companyganj, Sylhet Sadar Upazila and Biswanath Upazila are in the East.

Note that Cherrapunji in Meghalaya state of India is one of the highest rainfall areas in the world, which is very close to Chhatak Upazila, for which heavy rainfall occurs. Due to rainwater coming from the upstream hill, every year this Upazila is severely inundated by the flash flood, which damages infrastructure, human life, homestead and other resources. To respond to these situations, we have been managing the disasters to some extent with the support of the national government, international donors and NGOs. However, further solutions are required in consideration of climate change and sustainable development here.

I am happy to know that “The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan” has been taken in my Upazila with the support of JICA. As a public representative, I am very impressed to see this great activity, since I believe that a proper Upazila Disaster Risk Reduction Action Plan is significant to keep the development process moving by reducing the damage caused by disasters. This is a timely initiative under these circumstances for which the people of Chhatak Upazila will benefit from this activity. If the loss of assets can be reduced through proper planning, then the community people will get benefit as well, and Upazila will move forward in the way of development.

In conclusion, I convey my cordial thanks to the Upazila Disaster Management Committee (UzDMC), Union DMC, Govt. Officers and other stakeholders for their active participation and input. I hope this plan will be implemented properly and will contribute to further development in this upazila.

Md. Fazlur Rahman



Upazila Nirbahi Officer
Chhatak, Sunamganj District

Message

Chhatak is one of the business friendly Upazila in the larger Sylhet division. The businesses of cement, sand, stone, limestone, lime, stone-crusher, and so on are significant here. This Upazila is surrounded by hill, rivers and haor, so it is also full of natural beauty. Due to such geographical situation, this Upazila is high disaster-prone area, specifically due to its location close to the Cherapunji hill of India. Almost every year this Upazila is affected by flash flood and flood, which have caused damages of households, infrastructure, and crops. Although the government is active in disaster management to tackle the situation by collaboration with various NGOs and donor communities, we need to accelerate disaster risk reduction to mitigate the disaster damage in the Upazila. In this regard, the formulation of the Upazila Disaster Risk Reduction Action Plan (UzDRRAP) is significant for this Upazila with a view to set the strategy to reduce the rate of damage and loss.

The Ministry of Disaster Management and Relief (MoDMR) selected two Upazilas, which are Chhatak and Jagannathpur, in Sunamganj District as pilot sites for “The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan” supported by JICA and linked with the “Sendai Framework for Disaster Risk Reduction (SFDRR)”. In order to develop this plan, we established Upazila Sub-Committee (UzSC) under the Upazila Disaster Management Committee (UzDMC) in light of Standing Order on Disaster (SoD)-2019. This UzSC played a vital role as conducted so many meetings for reviewing disaster risks and collecting necessary disaster risk reduction mitigation measures with active participation of Union DMC, government officers of various relevant departments and other stakeholders. I expect that this UzDRRAP will provide us with the proper direction for disaster mitigation in future which might save lives, livelihoods as well as national resources, and contribute achieving the Government's Vision 2041.

It is our pride to formulate the UzDRRAP in a participatory approach under leadership and guidance of Upazila administration. I cordially acknowledge the hardship of UzDMC members, Union DMC and other relevant stakeholders for their active participation. If we can implement and update this plan appropriately, it will be meaningful, and this effort will be worthwhile.

Nurar Zaman Chowdhury

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Acronyms

ADP	Annual Development Programme
BBS	Bangladesh Bureau of Statistics
BMD	Bangladesh Meteorological Department
BCC	Building Construction Committee
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
FSCD	Fire Service and Civil Defence
GDP	Gross domestic product
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
LGED	Local Government Engineering Department
MoDMR	Ministry of Disaster Management and Relief
NGO	Non-governmental Organization
NPDM	National Plan for Disaster Management
PGA	Peak Ground Acceleration
PIO	Project Implementation Officer
PWD	Public Works Department
RRAP	Risk Reduction Action Plan
SFDRR	Sendai Framework for Disaster Risk Reduction
SOB	Survey of Bangladesh

Upazila Disaster Risk Reduction Action Plan of Chhatak

SOD	Standing Orders on Disaster 2019
SWF	Sancred Welfare Foundation
TSC	Technical Sub-Committee
UDD	Urban Development Directorate
UDMC	Union Disaster Management Committee
UNO	UpazilaNirbahi 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 Defence Party

Chapter-1. Introduction

1.1 Purpose and aim of the Plan

The purpose of the Chhatak 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 the 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 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".

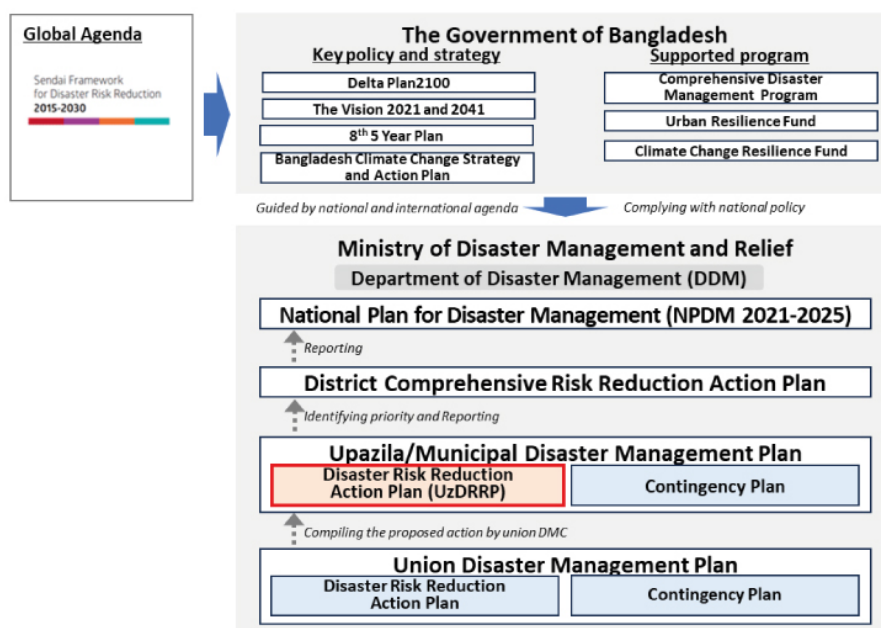


Figure 1-2. Relationship between national key policies and this plan

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 has 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 Targets 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 objectively 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 the 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.

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, some development projects that might affect people or increase disaster risk;
- 2) Summarize DRR projects by examining needs of UPs and Risk Reduction Action Plans developed by UPs;
- 3) Identify possible DPP 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, Technical Sub Committee (TSC) was established to coordinate projects proposed by other Upazilas in addition to Chhatak Upazila at the central level, implementation of the projects proposed in the UzDRRAP are 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 line ministries on the possibility to do 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 disaster risk reduction target in the UzDRRAP;
- 4) Discuss among line ministries on development projects which might affect people or cause disaster;
- 5) Establish the guidelines and manuals to prepare Upazila Disaster Risk Reduction Action Plans
- 6) Take an 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 2011 and meteorological data was collected and analyzed.

Chapter 3: Target Hazards and Disaster-prone Areas

This chapter explains the disaster records, target hazards, as well as disaster-prone areas by showing hazard maps. While disaster records of the Upazila were collected by the DRRO of the district or online media sources, disaster-prone areas were identified through scientific analysis by utilizing data such as elevation data (DEM), probability rainfall data and so on. For flood, the BWDB's pre-monsoon danger level was considered. These hazard maps were then confirmed in workshops where the UzDMC members participated.

Chapter 4: Disaster Risk and DRR Targets of the Upazila

This chapter describes the estimations of damages caused by each hazard. The damage estimations of flood target paddy fields, settlement areas, as well as the important public facilities and infrastructures, while those for earthquake shaking target households. These damages were estimated by overlaying hazard data with statistical data¹, and consequently confirmed by the UzDMC members and the UzSC members in workshops and meetings, along with the priority unions that were set by such disaster risk.

Chapter 5: Action Plan of DRR Countermeasures

This chapter shows the current status and issues of the countermeasures as well as the necessary projects for DRR. The current status of the countermeasures was identified and analyzed by consultation with UzDMC and UzSC members, while the necessary projects were proposed by the UzDMC members. The proposed projects were then validated with line agencies, and prioritized with UzDMC and UzSC members.

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

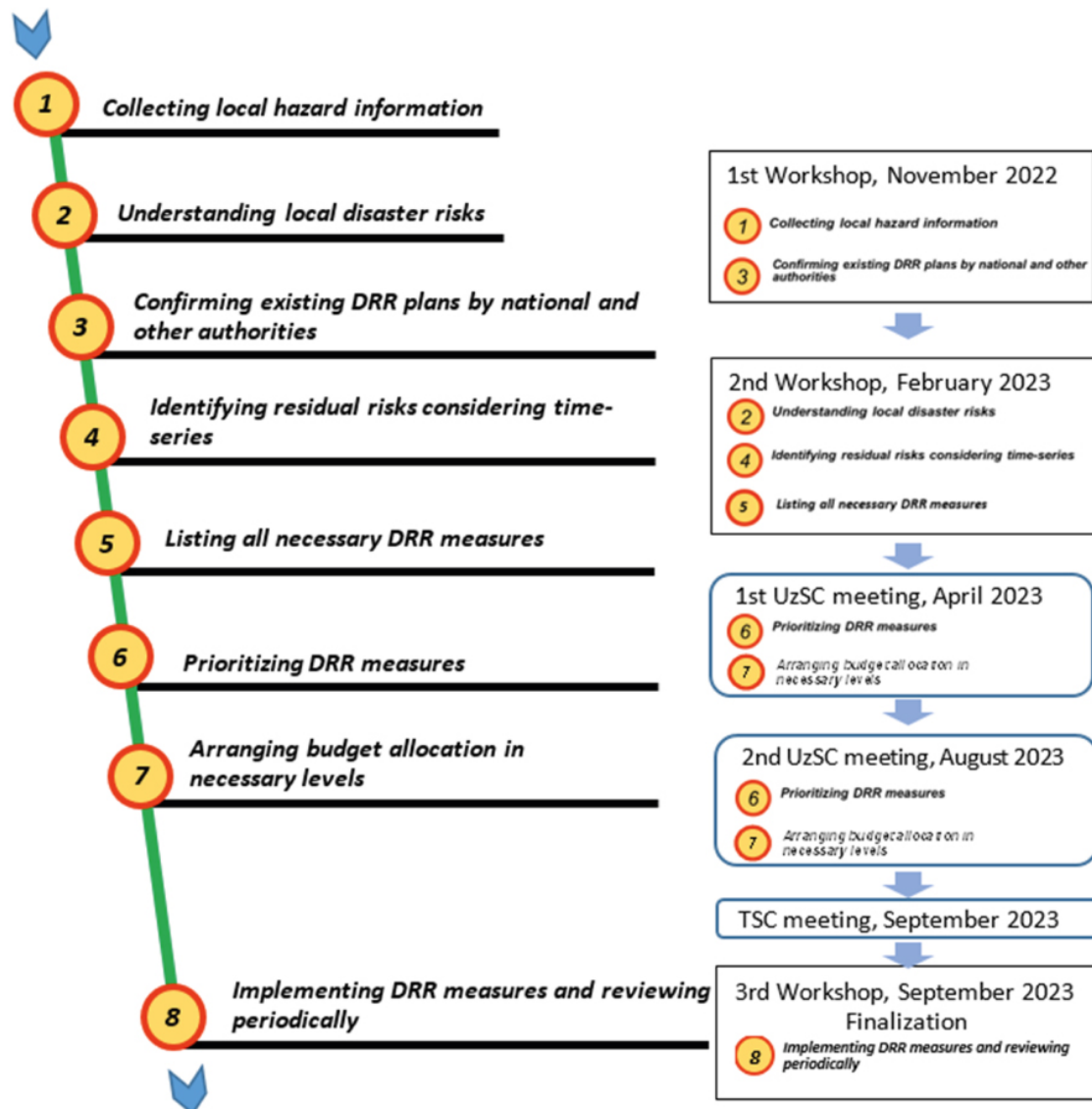


Figure 1 3. "8 Steps" for Upazila DRR Planning in case of this plan

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

2.1 Location and Geographic Conditions

2.1.1 Location of the Upazila

Chhatak Upazila is situated in the east of Sunamganj district and in the middle of divisional town, Sylhet, of the north-east part of Bangladesh. It is bordered by Jagannathpur Upazila to the north, Shantiganj Upazila to the west and Dowarabazar Upazila to the north-west under Sunamganj District and Bishwanath Upazila to the east, Companiganj Upazila to the north-east under Sylhet District. It is located 50 km north-west of the divisional headquarters city of Sylhet and 63 Km south-east of the district town Sunamganj. The area of the Upazila is 439.01 km².



Figure 2-1. Location Map of ChhatakUpazila

2.1.2 Topography of the Upazila

The topography of Chhatak Upazila consists primarily of flat and low-lying plains with an elevation of less than 10-12 meters except for the high area comparatively. Therefore, the Upazila is vulnerable to flooding due to monsoon flood/flash flood frequently. The flat area is used for agriculture, fish and duck farming in the haor area, fishing in the open water body, river etc. and settlement.



Figure 2-2. Topographic Map

2.1.3 River System of the Upazila

Sunamganj District has a major river, which is Surma River. Surma River originates in India, called as Barak River, and runs into Bangladesh through Assam, India (Figure 2-3.). Barak River is divided into two rivers, which are Surma River running through the northern area of Sunamganj District and Kushiya River, connecting into Kalni River running on the south edge of the said district. Those rivers run into Meghna River, which is one of the major rivers in Bangladesh. The Meghna River's catchment area and its length are, approximately, 82,000 km² and 950 km, respectively. Of the total catchment area and its length, approximately 35,000 km² and 670 km are situated in Bangladesh. Surma River and Kalni River play the essential role of water resources in Sunamganj and those are utilized as resources of drinking water, irrigation for agriculture and fishery.

The Surma River flows through Chhatak Upazila and Kalni River runs through Jagganathpur Upazila. In those Upazilas, there are some wetlands called “Haor” and those rivers provides water into Haor from mountainous area.

According to the study by BWDB, there are three seasons’ categories based on the precipitation patterns in the area, which are dry season, pre-monsoon season and monsoon season. The pre-monsoon season starts on March 15th and lasts until May 15th. The monsoon season follows the pre-monsoon season and continues until the end of October. The rest, from November to the middle of March is called the dry season. During the monsoon season, flooding occurs a lot along those rivers and Haor area becomes deeper and wider.

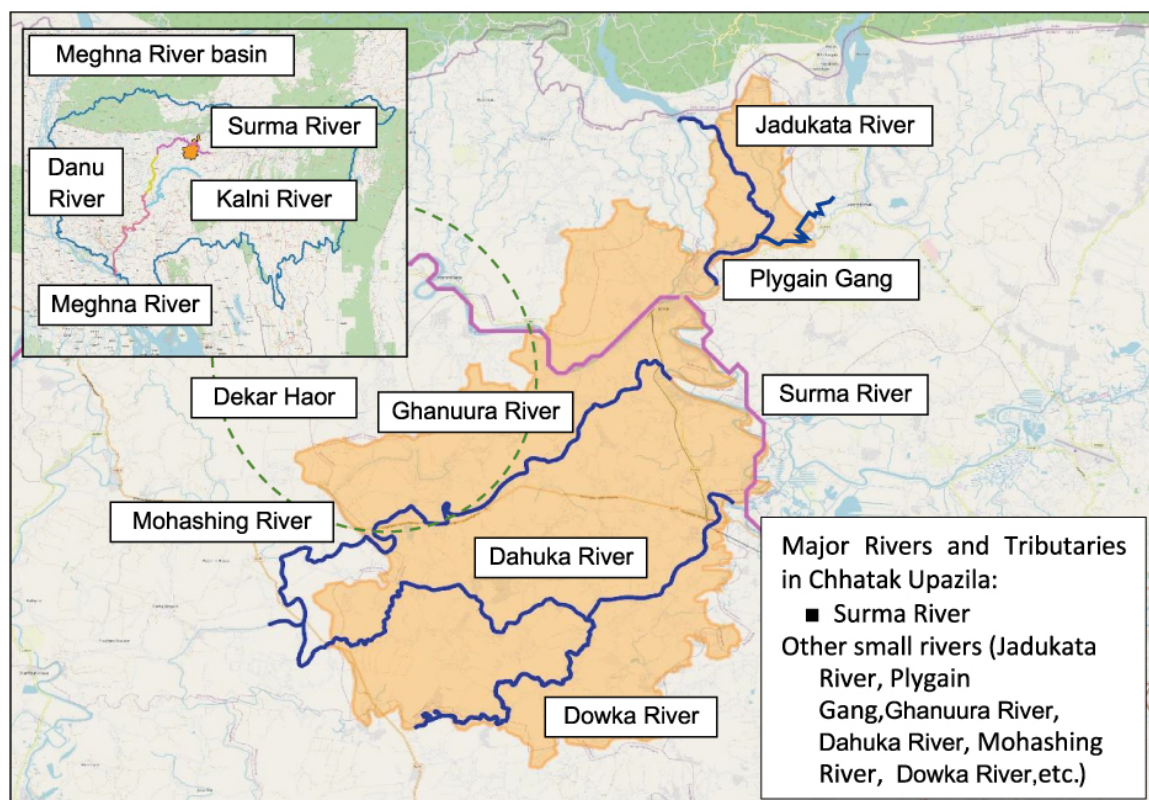


Figure 2-3. Major River, Small Rivers and Haors in Chhatak Upazila

2.2 Socio-economic Conditions

2.2.1 Demography

Chhatak Upazila is divided into 13 unions: Chhatak Sadar, Kalaruka, Jauwa Bazar, Islampur, Charmoholla, Syedergaon, Noarai, Uttar Khurma, Dakshin Khurma, Chhaila Afjalabad, Bhatgaon, Dolar Bazar, and Singchapair. In addition, there is the Chhatak Paurashava which is divided into 9 Wards and 22 Mahallas. The demography in Chhatak Upazila is shown below. According to the census 2011 and interviews with unions, the total population of the Upazila is 4,67,899 people.

Table 2-1. Demography of the Upazila

Union Name	Total Area (km ²)	Total Population	Number of Households
Chhatak Sadar	20.16	19,000	1,893
Kalaruka	36.04	33,238	5,515
Jauwa Bazar	36.93	49,661	6,294
Islampur	38.74	35,884	5,752
Chormohalla	32.73	24,565	4,266
Syedergaon	17.84	30,967	3,820
Noarai	32.55	42,004	6,850
Uttar Khurma	26.79	18,192	2,825
Dakshin Khurma	32.97	23,386	4,045
Chhaila Afjalabad	33.30	30,500	4,898
Bhatgaon	47.71	41,036	4,751
Dolar Bazar	40.35	41,520	5,650
Singchapair	31.10	23,123	4,818
Chhatak Paurashava	11.80	54,823	10,260
Total	439.01	4,67,899	71,637

Source: Population & Housing Census 2011 and interview with Unions

2.2.2 Economy and Industry

The economy of Chhatak Upazila is mainly depends on agriculture and agriculture-based farming. Out of total 71,637 households of this Upazila, 58.75% households are directly involved in agriculture farming. They produce various crops mainly rice, wheat, vegetable, oil seeds and others. Apart, fishing in open water body along with fishery in the wet land, Haor, Beel and even in the paddy field during the rainy season are the important economic activities of the area. Besides, livestock, duck farming, cottage industries are also the main sources of household income of this Upazila. It is also a mid-level commercial area in the district based on Cement factory, stone crush factory, sand and stone collection from river comes from Meghalaya of India. Main export item from this Upazila is haor fish, crashed stone and sand. According to the district statistics (2011), agriculture contributes to economy is 52.15%, non-agriculture sectors 10.33%, industry 0.66%, trade 10.19%, transport and communication 1.19%, remittance 3.23%, service 7.16%, construction 0.89%, religious service 0.42% and others 13.84%. The following table shows the total establishments of different industries in ChhatakUpazila which are contributed to the national economy.

Table 2-2. total establishments of different industries in Chhatak Upazila

Sl. no.	Name of industry	No. of industry	%
1	Rice mill	130	13.9%
2	Pottery	27	2.9%
3	Husking Crafts mill	157	16.8%
4	Printing press	3	0.3%
5	Cottage industry	37	3.9%
6	Weaving	15	1.6%
7	Handicraft	15	1.6%
8	Bamboo & cane industry	63	6.7%
9	Wooden furniture	35	3.7%
10	Saw mill	26	2.8%
11	Bakery	7	0.7%
12	Tailoring shop	315	33.6%
13	Flour mill	17	1.8%
14	Cement industry	3	0.3%
15	Stone crashing machine	85	9.1%
16	Akiz industry (Plastic item)	1	0.1%
17	Lime industry	1	0.1%
		937	

(Source: District statistics- 2011)

2.2.3 Urbanization

Urbanization rate (population living in the urbanized area) in Sunamganj district is relatively low compared to the average rate of Bangladesh of 31.51% (Population & Housing Census 2022). By the comparison of 2001 and 2011, the urbanization rate was increasing in the upazilla of Chhatak, Derai, Jagannathpur and Sunamganj Sadar. The urbanization rate in Chhatak 12.74 % in 2011 and the rate has expanded for 1.18 % which is a 10% increase and indicates a trend of urbanization. The highest urbanization rate observed in the Sunamganj district is 25.13% in Sunamganj Sadar. However, Chhatak is one of the upazillas where urbanization is developing as Chhatak Paurashava is located as a growing center.

Annual population rate in the union of Chhatak sadar, Jauwa Bazar and Bhatgaon is the top three highest growth rate in the upazila, which is one of the criteria to indicate the urbanization in these unions.

Table 2-3. Population growth rate of the Upazila

Paurashava / Union Name	Population		Annual Population Growth Rate (2011 - 2022)
	2011	2022	
Bhatgaon	29,487	41,036	3.92%
Chhatak Sadar	11,088	19,000	7.14%
Charmohalla	23,531	24,565	0.44%
Dolar Bazar	32,669	41,520	2.71%
Dakshin Khurma	23,526	(No data)	(No data)
Islampur	31,760	35,884	1.30%
Jauwa Bazar	34,372	49,661	4.45%
Kalaruka	33,238	(No data)	(No data)
Noarai	37,963	42,004	1.06%
Syedergaon	26,113	30,967	1.86%
Chhaila Afjalabad	28,994	30,500	0.52%
Singchapair	23,123	(No data)	(No data)
Uttar Khurma	17,414	18,192	0.45%

Source: Population and Housing Census 2011, Community Report: Sunamganj BBS (Data for 2011), Interview to unions (Data for 2022)

2.3 Meteorological Conditions

The climate of Chhatak Upazila, or Sunamganj District widely, is dominated by the tropical monsoon and is distinguished in 2 seasons: a rainy season and a dry season. The southwest monsoon brings the rainy season from April to September and a moderate rainfall in October as shown in Figure 2-4. Then, the northeast monsoon flows and dries the area from November to March.

As shown in Figure 2-4, the Upazila has an annual rainfall of more than 5,000 mm. Most rainfall is concentrated during the rainy season, especially the 3 months between June to August, when half of the annual rainfall occurs. Also, there is a moderate rainfall in the month of April and September. The heavy rainfall often devastates haor area of Chhatak Upazila and cause flooding in the area. In addition, flash flood also severely affects this Upazila in late March to mid-May due to rainwater comes from upstream even in 2022 flash flood affected severely in mid-June.

Chhatak Upazila has a relatively moderate temperature and high humidity climate. The highest temperature reaches to a maximum of 32.0°C in March - June and August -September and a minimum of 14.0°C in January. From February to November the average high temperature is prevailing within 29. 0°C to 32. 0°C (Figure 2-6).

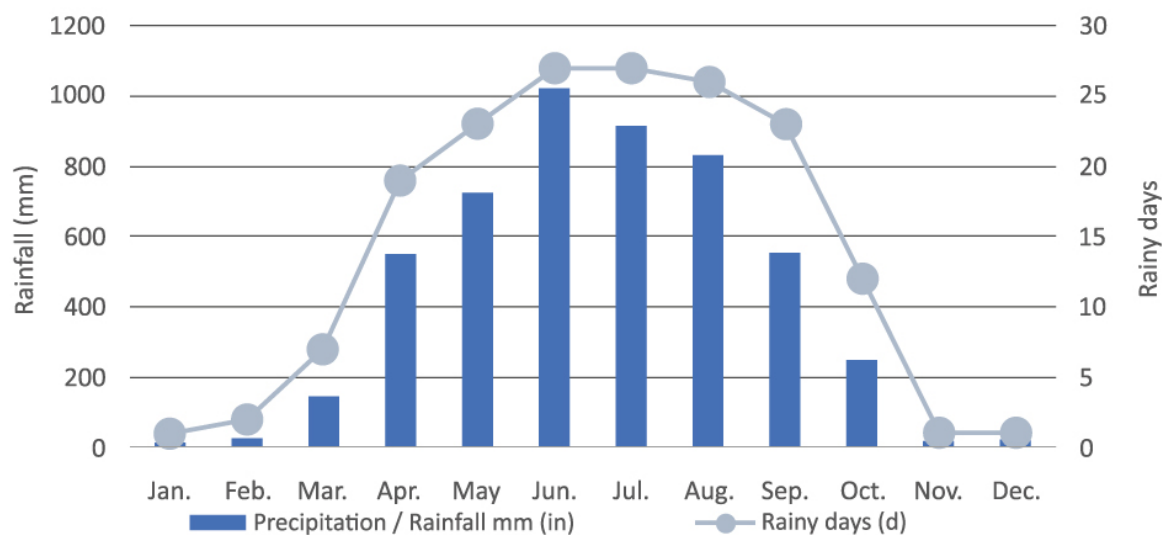


Figure 2-4. Average Annual Rainfall and Temperature

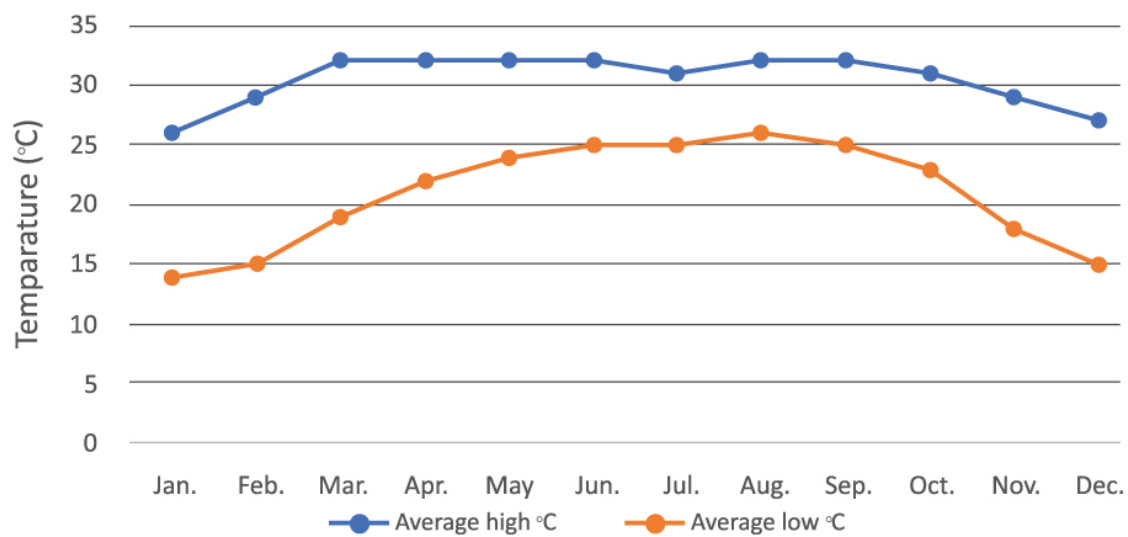


Figure 2-5. Average Temperature

Chapter-3. Target Hazards and Disaster-prone Areas

3.1 Disaster Record of the Upazila

Chhatak Upazila has experienced several disasters affecting the lives and livelihoods of the local communities, due to its topography and meteorology. The table below shows the disaster records in this Upazila. The most historic and destructive disasters is the 2022 flood which severely affected the Upazila with over 10,000 damaged houses and 120,000 affected people.

Table 3-1. Recent Disaster Record in Chhatak Upazila

No.	Year	Damage
1. Flood		
(1)	May. 1999	Cause: Flash flood by heavy rain Affected population: 6,000 people Casualty: 00 dead people Damaged House: 300 Damaged Infrastructures: 3.00 km stretch of Haor embankment, school, tube well, and pond Other Damage: livestock, crop,
(2)	Jun. 2004	Cause: Flash flood Affected population: 60,000 people Casualty: 01 dead people Damaged House: 600 Damaged Infrastructures: 6.00 km stretch of Haor embankment, school, tube well, and pond Other Damage: livestock, crop,
	2004	Cause: Seasonal flood Affected population: 70,000 people Casualty: 00 dead people Damaged House: 650 Damaged Infrastructures: 7.00 km stretch of Haor embankment, school, tube well, and pond Other Damage: livestock, crop,
(3)	Jul. 2010	Cause: Flash flood caused by heavy rain Affected population: 7000 people Casualty: 00 dead people Damaged House: 120 Damaged Infrastructures: 2.00 km stretch of Haor embankment, school, tube well, and pond Other Damage: livestock, crop,
(4)	2012	Cause: Flash flood caused by heavy rain Affected population: 12,000 people Casualty: 00 dead people Damaged House: 60 Damaged Infrastructures: 1.20 km stretch of Haor embankment, school, tube well, and pond Other Damage: livestock, crop,
(5)	2022	Cause: Flash flood caused by heavy rain Affected population: 190,000 people Casualty: 00 dead people Damaged House: 9,457 Damaged Infrastructures: 15.00 km stretch of Haor embankment, school, tube well, and pond Other Damage: livestock, crop,

Source: DRRO, Sunamganj (dated September 10, 2023.) and EOC,DDM.

3.2 Target Hazards of this Plan

Apart from the above, there are several types of other disasters that can also cause damage to this Upazila. 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
- Earthquake Shaking

3.3 Hazard Map and Disaster-Prone Areas by Each Hazard

3.3.1 Flood

Figure 3-1 shows a flood hazard map for Chhatak Upazila, targeting the pre-monsoon flash flood, which causes tremendous damages on the paddy production (cultivation). The flood hazard map was created utilizing danger water levels defined by BWDB. The danger water level is designed to be the water level above which the flood may cause damages to nearby crops and homesteads. It was fixed slightly below design flood level of the embankment, and it was also applied to submergible embankment height. In terms of the probability of occurrence, corresponding return period is approximately 2.33 years of the pre-monsoon season.

Among the unions in Chhatak Upazila, Bhatgaon, Chormohalla, Islampur and Jauwa Bazar are particularly prone to flooding because the lands of such unions are low-lying and some hoars are located. The paddy fields in such unions and the settlement area in Chormohalla are affected severely and widely.

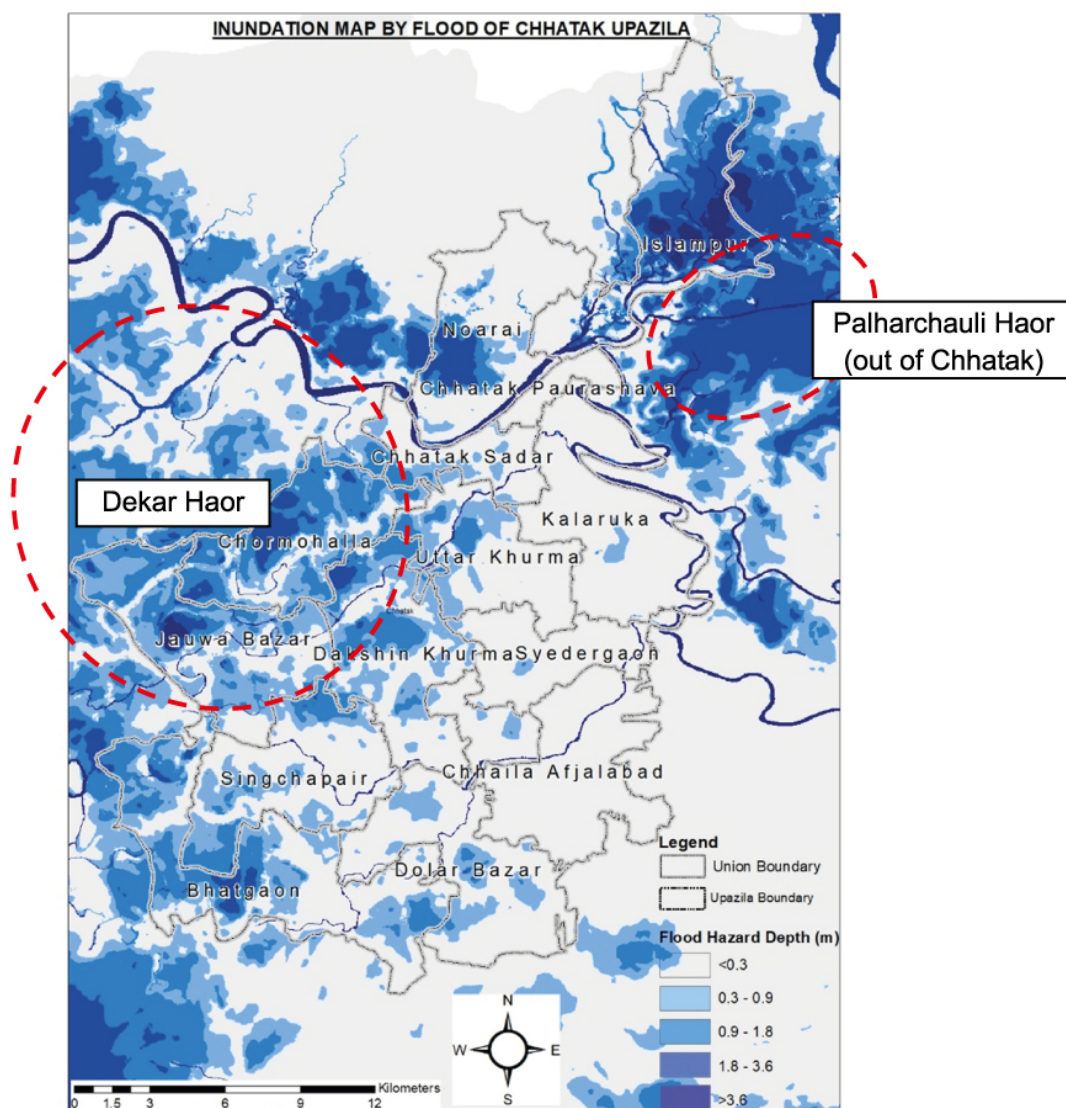


Figure 3-1. River Floods Hazard map in Chhatak Upazila

Analysis:

Water Level: BWDB danger water level (equivalent to approx. 2.33-year Return Period in pre-monsoon season)

Landform: Satellite-based DEM (AW3D)

Notes:

1. The hazard analysis and risk assessment (Chapter 4.1.1) introduced in this plan does not consider the possible effects of the climate change.
2. When viewing the flood hazard map, users are recommended to consider the elevation of their houses or unions and compare them with the flood depths indicated in the map.
3. Overlaying evacuation routes and shelter locations with the map, is helpful to identify where and how to evacuate before and during flood events.

3.3.2 Earthquake Shaking

Figure 3-2 shows an earthquake shaking hazard map for Chhatak Upazila. The earthquakes in Sunamganj District can be mainly caused by the collision of the Indian and Eurasian tectonic plates, which creates a complex fault system in the region. The areas vulnerable to earthquake shaking are dispersed throughout the Upazila, although there are relatively concentrated areas of relatively weak shaking in the Chhatak Sadar, Jauwa Bazar, Bhatgaon, and Kalaruka unions.

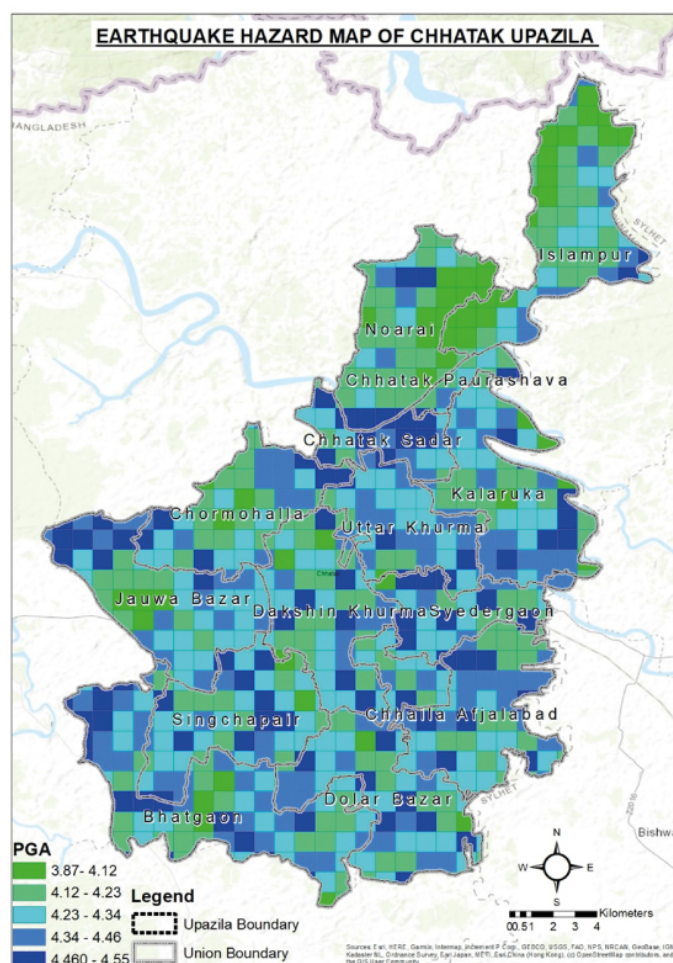


Figure 3-2. Earthquake Hazard map in Chhatak

Analysis: The PGA was estimated considering the ground conditions in Sunamganj based on the seismic zoning described in the Bangladesh National Building Code (BNBC) 2020.

Vs30 model: the time-averaged shear-wave velocity to 30 m depth <<https://earthquake.usgs.gov/data/vs30/>>

Formula for estimation of the surface soil amplification factor: Midorikawa et al. (1994)

<https://iisee.kenken.go.jp/eqflow/reference/4_1.htm>

Notes:

1. Hazard maps are not perfect. Actual situations may not follow the hazard maps exactly.
2. Each union shows also various PGA values based on its characteristic local topography and on-site sediment conditions.
3. The estimated results should be re-calculated if the reference data or assumptions are updated.

Chapter-4. Disaster Risk and DRR Targets of the Upazila

4.1 Disaster risk

4.1.1 Flood

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

In general, the countermeasures against floods include 1) river and canal improvement such as construction of embankments, dredging and widening to increase flow capacity, 2) construction of retarding basins/reservoirs to temporarily store a portion of flood water, and 3) drainage improvement such as installation of sluice gates and pumping stations to drain the flood water to nearby rivers.

(1) Damage estimation of paddy field affected by flood

As shown in Figure 4-1 and Figure 4-2, the most vulnerable unions to flooding are Chormohalla and Jauwa Bazar Unions adjacent to Kachibanga Haor. The percentages of inundation areas are 92.6% and 85.9%, respectively. Meanwhile, the union with the largest flood affected area is Bhatgaon Union with 2,033 m² affected by the Jalyar Hoar.

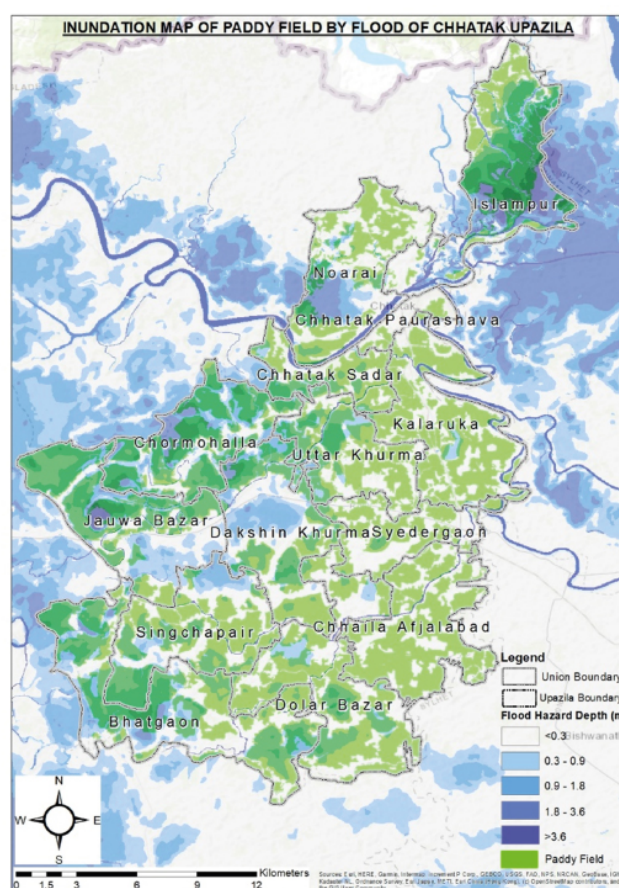


Figure 4-1. Inundated Paddy Field with danger water level of BWDB

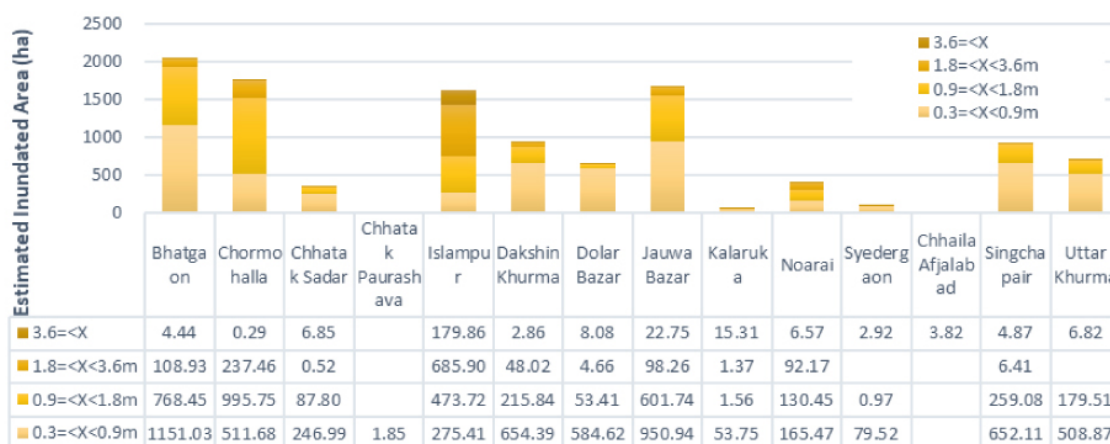


Figure 4-2. Inundated Area of Paddy Field with danger water level of BWDB

Total Economic loss estimated based on the areas of the inundated paddy fields, reaches about 1,444 million Taka. Bhatgaon Union is most affected with about 264 million, followed by Chormohalla Union with 227 million Taka. Chormohalla Union will be most affected in terms of the percentage with 92.6% of the paddy field inundated.

Table 4-1. Estimated Economic Loss by Flood

Union	Area of Inundated Paddy Field ($\geq 0.3\text{m}$) [ha]	Ratio (Inundated Area / All Paddy Field)	Estimated Economic Loss [Thousand Taka]
Bhatgaon	2032.85	65.5%	264,230
Chormohalla	1745.18	92.6%	226,839
Chhatak Sadar	342.17	35.4%	44,475
Chhatak Paurashava	1.85	1.3%	240
Islampur	1614.88	71.8%	209,903
Dakshin Khurma	921.11	61.0%	119,726
Dolar Bazar	650.78	24.3%	84,589
Jauwa Bazar	1673.68	85.9%	217,545
Kalaruka	71.99	3.2%	9,357
Noarai	394.66	24.7%	45,449
Syedergaon	83.40	8.2%	10,840
Chhaila Afjalabad	3.82	0.2%	497
Singchapair	922.46	45.2%	119,902
Uttar Khurma	695.20	42.3%	90,362
Total	11154.03	44.0%	1,443,955

Notes: 1. 5.20 ton/ha of rice yield was used to estimate amount of affected rice production, which is based on data in “Yearly Production and Damage Report on Agriculture of ChhatakUpazila, DAE”

(2020, 2021, and 2022). <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0261128>

2. The Unit price of rice was calculated with the data above (Note 1), to be 25 Taka/kg.

On the other hand, the below map shows the inundation risk areas in case that the submersible embankments properly work. In this case, while inundation risks in Bhatgaon, Chormohalla, and Jauwa Bazar unions are significantly reduced by the embankments, there are some unions whose inundation risks remain. These remaining risk areas are currently not covered by BWDB's Haor sub-projects and not adequately equipped with other structural intervention to prevent or mitigate the impact of pre-monsoon flash flood. In particular, in Islampur Union, the remaining inundation affected area ($\geq 0.3\text{m}$) is estimated at 1,604m².

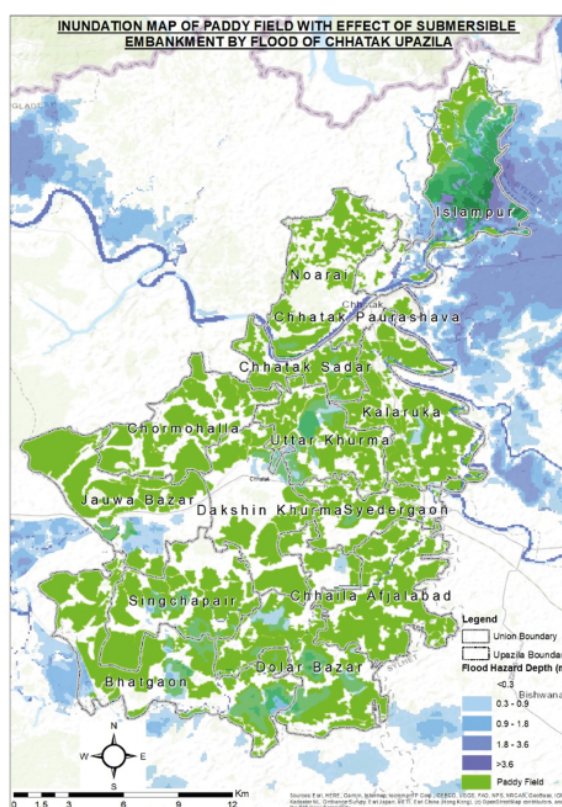


Figure 4-3. Inundated Paddy Field in case of functioning submersible embankments

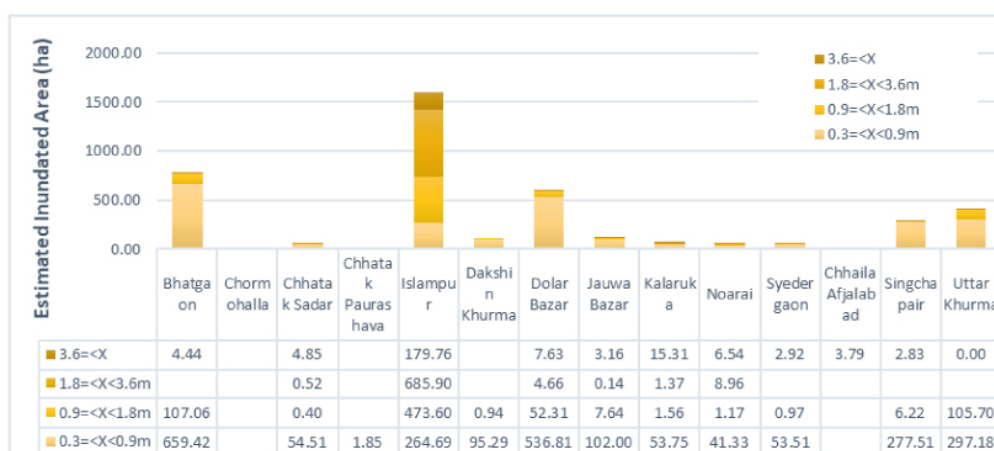


Figure 4-4. Inundated Area of Paddy Field in case of functioning submersible embankments

(2) Damage estimation of settlement area by flood

Figure 4-5 shows that the settlement areas of Chormohalla Union which is adjacent Kachibanga haor is affected by flooding. Comparing the affected settlement areas by union, Chormohalla and Islampur Unions are the most affected with approximately 10,460 m² and 7,790 m², respectively. These unions are located comparably lower elevation areas, thus more prone to flooding. The flooding depth in the Upazila ranges from 0.3 m to 3.6 m in most areas, widely depending on the topographic conditions.

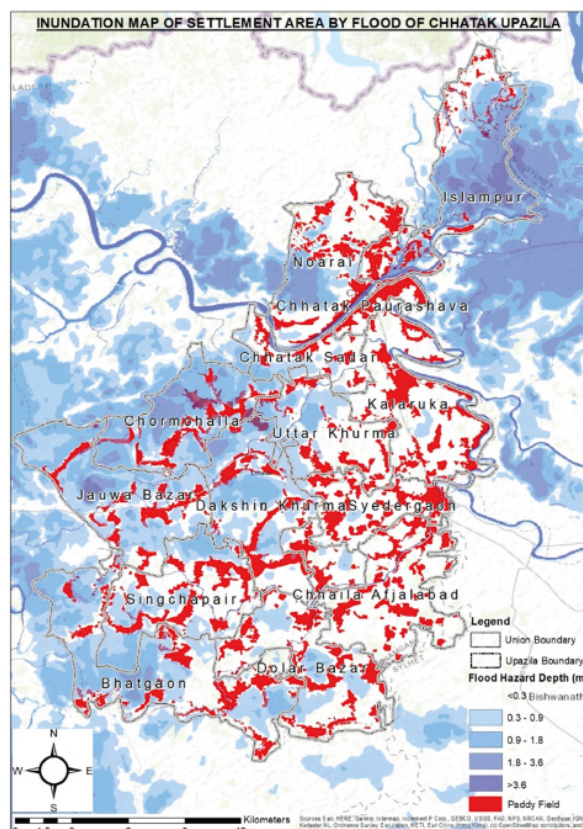


Figure 4-5. Inundated Settlement with danger water level of BWDB

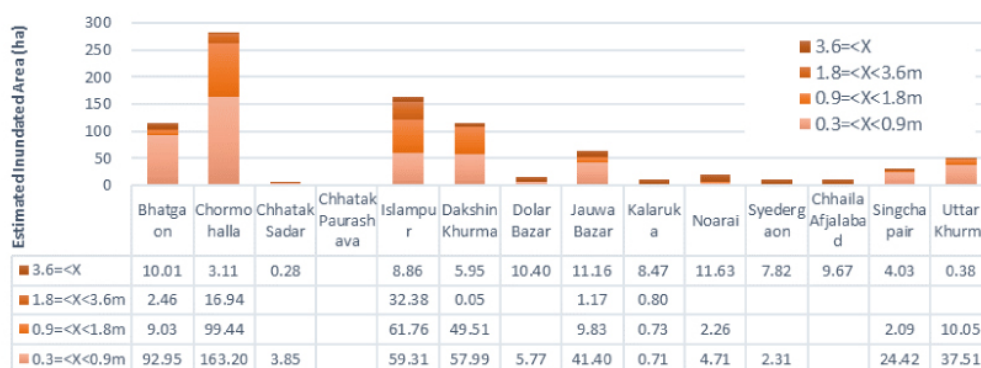


Figure 4-6. Inundated Area of Settlement with danger water level of BWDB

For both the number and percentage of population, Chormohalla Union is the most vulnerable to flooding (Figure 4-7 and Table 4-2). The population of Islampur Union is also vulnerable to flooding. These unions are located comparably lower elevation areas, thus more prone to flooding.

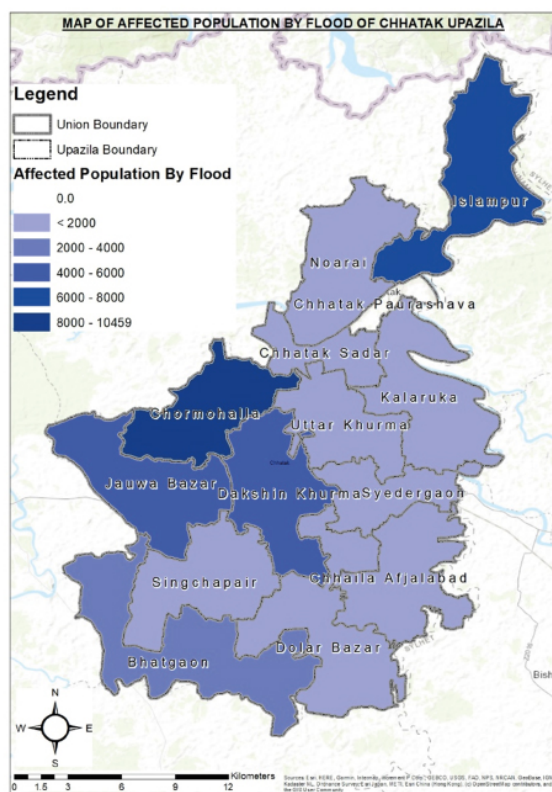


Figure 4-7. Affected Population with danger water level of BWDB

Table 4-2. Flood Affected Population by Union

Union	Population (Census,2011)	AffectedPopulation	Percentage
Bhatgaon	29,487	3,777	12.8%
Chormohalla	23,531	10,459	44.4%
Chhatak Sadar	11,088	169	1.5%
Chhatak Paurashava	44,364	0	0.0%
Islampur	31,760	7,792	24.5%
Dakshin Khurma	23,526	4,086	17.4%
Dolar Bazar	32,669	501	1.5%
Jauwa Bazar	34,372	4,132	12.0%
Kalaruka	33,238	386	1.2%
Noarai	37,963	1,079	2.8%
Syedergaon	26,113	395	1.5%
Chhaila Afjalabad	28,994	348	1.2%
Singchapair	23,123	1,069	4.6%
Uttar Khurma	17,414	1,774	10.2%
Total	397,642	35,967	9.0%

(3) Damage estimation of important facilities and infrastructures by flood

Figure 4-8 and Table 4-3 illustrates the damage estimation of the DRR-related important facilities and infrastructures in this Upazila, namely roads and bridges, government offices, schools and shelters, and hospitals, in consideration of the disaster management and emergency operation. As the Figure and the Table show, roads and public facilities in Chormohalla Union are relatively severely affected by the flood. The union is located comparably lower elevation area, thus more prone to flooding.

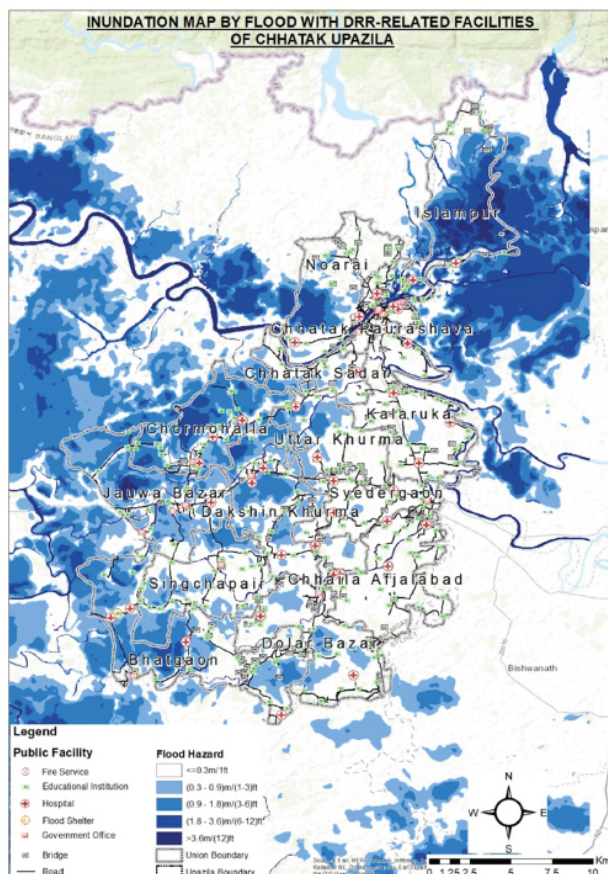


Figure 4-8. Inundation map by flood with DRR-related facilities and infrastructures²

Data source: SOB: "This map sheet has been compiled by digital photogrammetric method using colored aerial photographs of 50cm GSD taken during 2010-12 and also SPOT imagery of 2.5 m resolution acquired in 2011 and verified on the ground during 2014-2015.
Flood hazard map of 20-year return period (see Chapter 3.3.1)

² In this analysis, the facilities means government facilities (government office, government miscellaneous buildings, Paurashava office, Upazila office, Union Parishad office, fire service, police station, telephone office), education institutions (college/institute, educational miscellaneous buildings, high school, Madrasha, NGO school, Primary school), Shelter House, and health building (Community clinic, Government hospitals, NGO hospital), and Power plant that are in the dataset of SOB. The data may not show all the current facilities and infrastructures and does not always show the exact locations due to its research/published year and its data scale.

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

Union Name	Road length (m)			DRR-related important facilities (no.)			(Reference) Bridges		
	Total	Inundated (≥ 0.3m)	%	Total	Inundated (≥ 0.3m)	%	Total	Inundated (≥ 0.3m)	%
Bhatgaon	52,790.5	3,295.3	6.2%	39	3	7.7%	26	2	7.7%
Chormohalla	36,329.2	9,884.2	27.2%	32	12	37.5%	4	0	0.0%
Chhatak Sadar	16,589.7	0.0	0.0%	10	0	0.0%	3	0	0.0%
Chhatak Paurashava	24,066.1	0.0	0.0%	15	0	0.0%	6	1	16.7%
Dakshin Khurma	34,610.1	3,778.4	10.9%	26	5	19.2%	11	2	18.2%
Dolar Bazar	34,878.6	0.0	0.0%	41	0	0.0%	23	1	4.3%
Islampur	31,526.9	2,344.4	7.4%	32	6	18.8%	24	7	29.2%
Jauwa Bazar	29,516.3	3,515.9	11.9%	22	1	4.5%	2	1	50.0%
Kalaruka	39,319.3	0.0	0.0%	44	0	0.0%	12	0	0.0%
Noarai	9,852.6	0.0	0.0%	23	0	0.0%	17	1	5.9%
Syedergaon	43,816.5	0.0	0.0%	30	0	0.0%	8	0	0.0%
Chhaila Afjalabad	22,710.7	0.0	0.0%	36	0	0.0%	10	0	0.0%
Singchapair	7,803.5	0.0	0.0%	23	0	0.0%	10	0	0.0%
Uttar Khurma	3,794.1	0.0	0.0%	22	1	4.5%	14	2	14.3%

4.1.2 Earthquake Shaking

The risk of earthquake shaking is high due to inadequate seismic resistant buildings in Chhatak Upazila. Figure 4-9 and Table 4-5 shows that Noarai is most affected by the earthquake shaking, followed by Chhatak Paurashava and Jauwa Bazar Union. On the other hand, the ratio of the affected households is highest in Chormohalla Union.

In general, the earthquake resistance measure is to strengthen the buildings, which depends on the economic conditions of each government and household.

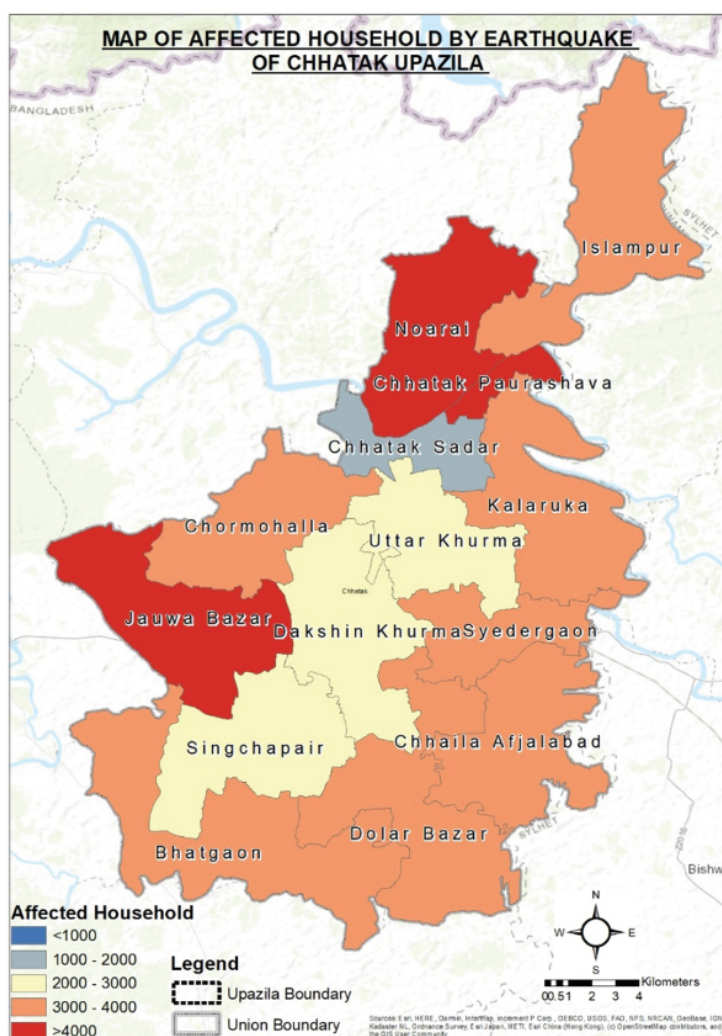


Figure 4-9. Number of Affected Households

- Notes: 1. The concrete values of the average PGA on unions are estimated with variation between 2.84 m/s² and 3.29 m/s².
 2. Grade 4 and 5 of the building damage degree in Figure 7., was used for estimation of the earthquake risk.
 3. The number of affected households was estimated by assuming that one household uses one building based on the number of households and ratio of house types in the Population & Housing Census 2011 below.

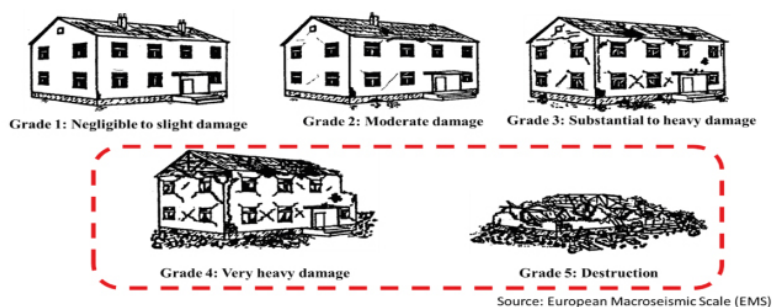


Figure 4-10. Building Damage Degree

Table 4-4. Percentage of Type of Structure and Number of Households

	Households	Percentage of Type of Structure			
		Pucca	Semi pucca	Kutcha	Jhupri
Bhatgaon	4,619	15.3	16.7	67.0	1.0
Chormohalla	4,182	8.2	9.7	81.8	0.3
Chhatak Sadar	1,916	11.7	14.6	73.1	0.6
Chhatak Paurashava	7,701	34.1	27.2	37.9	0.8
Islampur	5,144	4.1	18.9	58.6	18.4
Dakshin Khurma	3,879	13.2	10.6	75.3	1.0
Dolar Bazar	5,288	26.7	13.5	59.1	0.6
Jauwa Bazar	5,447	15.5	13.9	66.7	4.0
Kalaruka	5,330	16.4	20.1	62.6	0.8
Noarai	6,550	6.6	14.3	67.6	11.5
Syedergaon	4,537	18.2	19.6	61.4	0.9
Chhaila Afjalabad	5,122	14.7	23.4	58.9	3.1
Singchapair	3,733	14.6	14.1	70.0	1.3
Uttar Khurma	2,915	13.7	11.2	74.0	1.2
Chhatak Upazila Total	66,363	15.2	16.3	65.3	3.3

Table 4-5. Affected Household by Earthquake Shaking

Union	Households (Census,2011)	Affected Households	Percentage
Bhatgaon	4,619	3,352	72.6
Chormohalla	4,182	3,276	78.3
Chhatak Sadar	1,916	1,446	75.5
Chhatak Paurashava	7,701	4,541	59.0
Islampur	5,144	3,990	77.6
Dakshin Khurma	3,879	2,932	75.6
Dolar Bazar	5,288	3,595	68.0
Jauwa Bazar	5,447	4,016	73.7
Kalaruka	5,330	3,750	70.4
Noarai	6,550	5,080	77.6
Syedergaon	4,537	3,184	70.2
Chhaila Afjalabad	5,122	3,617	70.6
Singchapair	3,733	2,758	73.9
Uttar Khurma	2,915	2,205	75.7

4.2 Priority Unions for Disaster Risk Reduction

Based on Chapter 4.1, priority unions were identified by disaster. According to the relation between the affected area or population and its ratio in Figure 4-11, the identified priority unions by disaster are shown in Table 4-6. While Bhatgaon, Chormohalla, Islampur, and Jauwa Bazar Union are included in priority unions of flood, Chhatak Paurashava and Noarai union are identified as priority unions against earthquake shaking.



Figure 4-11. Relation between Affected Area or Population and its Ratio

Table 4-6. Priority Unions for Disaster

Disaster	Priority Union
Flood	Islampur*, Bhatgaon, Chormohalla, Jauwa Bazar
Earthquake Shaking	Chhatak Paurashava, Noarai

*High risk even if submergible embankments in the Upazila can be functional.

4.3 Disaster Risk Reduction Target

In the risk analysis in Chapter 4-1, the damages by disaster have been calculated. In consideration of these objective estimated results, the target to reduce disaster damages is set as follows.

[Disaster Risk Reduction Target - Mission]

The estimated human and economic damages by each disaster are reduced by 50% within 10 years (from 2023 to 2033).

In order to accomplish the above mission effectively with the limited budget and human resources, the following concrete countermeasures and areas were identified as prioritized areas, based on the risk assessment result identified in Chapter 4-1 and 4-2, as well as consultation results with the UzSC members.

[Disaster Risk Reduction Target- Concrete measures]

- (1) Intensive implementation of countermeasures against disasters in high-risk areas
 - 1) Promotion of countermeasures to **reduce inundated area by floods**
 - Islampur
 - Bhatgaon
 - Chormohalla
 - Jauwa Bazar
 - 2) Promotion of countermeasures to **prevent building collapse by earthquake shaking**
 - Chhatak Paurashava
 - Noarai
 - 3) Promotion of improvement of the infrastructure **for emergency operation**
 - Islampur
 - Bhatgaon
 - Chormohalla
 - Jauwa Bazar
 - Chhatak Paurashava
 - Noarai
- (2) Comprehensive improvement of the capacity for disaster risk reduction to respond to residual risks and disasters exceeding the disaster risk reduction target.
 - 1) Review of land use plan and restriction of development activities
 - Islampur
 - Bhatgaon
 - Chormohalla
 - Jauwa Bazar
 - Chhatak Paurashava
 - Noarai
 - 2) Improvement of early warning information and communication system
 - All unions
 - 3) Implementation of disaster management training and materials
 - All unions
 - 4) Implementation of education and awareness raising for DRR
 - All unions

Chapter-5. Action Plan of DRR Countermeasures

5.1 Current Status and Issues of the Structural and Non-Structural Countermeasures

The implementation status of each type of DRR countermeasures in this Upazila was summarized in the table below. As the table shows, most part of the flood prevention has been addressed by BWDB and LGED while countermeasures for earthquake shaking have not been covered enough by governmental agencies. These infrastructure projects for protection and control against floods have contributed to reducing inundation in the long term in this Upazila. Meanwhile, infrastructure projects such as road construction, water supply and sanitation, and shelter have contributed to reducing the secondary effects of flood disaster, helping to enhance the capacity of disaster response. It is further required to accelerate the structural and non-structural countermeasures that have been currently implemented in the Upazila, as well as to initiate promoting the coordination and discussion among related agencies to introduce countermeasures that have not been undertaken or unknown in the Table below.

Table 5-1. Structural Measures Which is Undertaken / not Undertaken

Category	Current status of the countermeasures by type		
Infrastructures for Protection and Control against Flood	Current status of the countermeasures by type BWDB is making efforts to mitigate inundation through various types of countermeasures including embankment construction, canal excavation, sluice gate, while drain constructions has been conducted by DPHE. Retarding basin and reservoir are not commonly applied, and no reservoir in the Upazila. In addition, BWDB constructed the several dams in different areas of the Upazila to protect the paddy fields.		
	Type	Undertaken	Agency
	Embankments/Dike	✓	BWDB/DDM/Paurashava
	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	Paurashava/DPHE/BWDB
	Rubber Dam	✓	BWDB/LGED
Structural Measures against Earthquake Shaking	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.		
	Type	Undertaken	agency
	Compliance with the building code (BNBC-2020)	✓	BCC/UzCC/Paurashava
	Building Assessment (Seismic Diagnosis)	Unknown	PWD
Infrastructure for Emergency	Retrofitting of important facilities and Infrastructures	Not undertaken	LGED/PWD/Paurashava/DDM
	Shelter: Shelters (55 in total) are constructed by DDM and Paurashava in the Upazila.		

Category	Current status of the countermeasures by type		
Operation	<p>Transportation: LGED is the main responsible agency to develop and maintain the road and transportation infrastructure.</p> <p>Drainage system: Improvement of drainage system is important to prevent prolonged inland flooding. Chhatak Paurashava copes with the challenges of installing and rehabilitating drainage systems in urban areas. For rural areas, LGED is responsible for the development of the required drainage systems.</p> <p>Water and sanitation: Water and sanitation infrastructures are critical to provide safe water and keep the living environment hygiene. DPHE is the main agency to cope with water-related issues to prevent the secondary effects of the disaster.</p>		
	Type	Undertaken	Agency
	Shelters	✓	DDM/LGED/Paurashava
	Roads	✓	DDM/LGED/Paurashava
	Bridges	✓	
	Culverts	✓	
	Drains	✓	Paurashava/DPHE
	Facilities for Water [Tube well, Pipeline and sanitation (Latrine)]	✓	DPHE/NGOs
Infrastructures for Prevention of Other Disasters (Lightning, etc)	There have been frequent cases of lightning disaster in this Upazila. Some of structural countermeasures are taken against this kind of disaster.		
	Type	Undertaken	Agency
	Thunderstorm protecting tower construction	✓	DDM/Paurashava
	Installation of magnet pillars at various places to reduce the risk of Thunderstorm/Lightning.	✓	DDM/Upazila Admin

Table 5-2. Non-Structural Measures Which are Undertaken / not Undertaken

Category	Current status of countermeasures by type		
Land Use Planning	The urbanization control areas are supposed to restrict or regulate the development and conversion of land use, especially in the wetland (haor) areas that are prone to floods and environmental. However, the implementation and enforcement of the urbanization control in Sunamganj are weak due to 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	Undertaken	Agency
	Urbanization Control	Unknown	Upazila/ UDD
	Resettlement	Unknown	
Designating Special Warning Area	Unknown		
Early Warning Information and Communication	Early warning system Broadcasting system is utilized by BWDB, DRRO and PIO. BWDB collect meteorological information through line ministries. Mainly in rainy season, DRRO along with PIO office inform rainfall and water level at district level. District office (DRRO) inform those issues to DDM and MoDMR.		

Category	Current status of countermeasures by type		
	Type	Undertaken	Agency
	Installation of Monitoring System of Rainfall & Water Level	✓	BMD/BIWTA/ BWDB/DDM
	Flood Forecasting and Warning System, including community radio	✓	FFWC/BWDB/
	Telecommunication system for search and rescue	✓	BTRC/DDM
	Disaster preparedness and response drills are conducted prior to the flood season. Regional evacuation drills are conducted once a year at the Union level. Following disaster management trainings for UDMC members is conducted once at least one year.		
Disaster Management Training and Materials	Type	Undertaken	Agency
	Preparation of SOP for emergency operation	Unknown	DDM
	Simulation and Exercise	Unknown	DDM/FSKD
	Evacuation drill / Shelter and evacuation route	Unknown	DDM/FSKD/UzDMC
	Training on DRR	Unknown	DDM
	Preparation for emergency operation	✓	DDM/FSKD/ DGHS/
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. The first Hazard Map was prepared in 1998 to identify disaster risk at upazila level. 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	Undertaken	Agency
	Publication of DRR Maps	Unknown	DDM
	Inventory preparation on vulnerable infrastructure such as hospitals, water wells, and schools based on the risk map	Unknown	UDD/PWD/FSKD/ DMC
	Disaster preparedness education in school	✓	DoPE/DoEE
	Awareness session on disaster, including Celebrating day's observation on disaster	✓	DDM
	DRR Awareness Related Billboard	✓	DDM/NGOs

5.2 Prioritized projects for DRR Target

In consideration of the hazard and risk assessment results in Chapter 3 and 4 as well as the current status and issues of the DRR countermeasures in Chapter 5.1, this Chapter describes the policies of DRR countermeasures by category. Furthermore, along with the strategy, concrete proposals of the DRR countermeasures are collected from the communities and implementing agencies, analyzed and prioritized by category, which are shown in the Attachment 1 including the prioritization (priority unions) with red highlights. The processes to propose these projects were as follows.

- The needs of Union Parishad were organized at the LDRRP development workshop held from November 2022 to February 2023.
- Existing projects, pipeline projects, and new projects of the implementing agencies were identified at the workshop and by collecting information from the implementing agencies.
- Information on Union Parishad's needs from the line ministries was reviewed and the correspondence between their projects and Union Parishad's needs was validated.

With the aim to achieve the DRR target (Mission), the UzSC will encourage the project implementing agencies to include the proposed projects in their own plans and to implement them.

The legend of the proposed project list (See Attachment 1) is shown below.

Table 5-3. Legend of the proposed project list

	Description																									
Plan Status	Status of the Project																									
	<table><tr><th>Status</th><th>F/S</th><th>DPP approved</th><th>ADP</th><th>Annual Budget</th></tr><tr><td><Continuing> Project</td><td>+</td><td>+</td><td>+</td><td>+/-</td></tr><tr><td><Pipeline>Project</td><td>+/-</td><td>-</td><td>-</td><td>-</td></tr><tr><td><New> Project</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>Unknown</td><td>-</td><td>-</td><td>-</td><td>-</td></tr></table>	Status	F/S	DPP approved	ADP	Annual Budget	<Continuing> Project	+	+	+	+/-	<Pipeline>Project	+/-	-	-	-	<New> Project	-	-	-	-	Unknown	-	-	-	-
	Status	F/S	DPP approved	ADP	Annual Budget																					
	<Continuing> Project	+	+	+	+/-																					
	<Pipeline>Project	+/-	-	-	-																					
	<New> Project	-	-	-	-																					
	Unknown	-	-	-	-																					
“Unknown” indicates “Union’s needs” which has not yet been identified by line ministries																										
ID	Identification number in this Plan																									
Type of Need	Required work such as repair, rehabilitation or new construction proposed																									
Length	The length of the individual infrastructures such as embankments and roads in case that the scale of the infrastructure is important information.																									
Official ID Number	ID by line agency in case of projects that are already identified by line agency																									
Official Name of Countermeasures	Official project name used by the implementing agency, such as DDM,BWDB or LGED																									
Proponents	The length of the countermeasure that was proposed by local people, line ministries or other stakeholders etc.,																									
Direct Beneficiaries/ Interests to be protected	The beneficiary Union Parishads and wards along the installed countermeasures.																									
Estimated cost for Countermeasures	The rate and unit price provided by every line department such as LGD,DDM,BWDB. It is shown in Lakh Tk.																									
Implementation Time Frame	Short-Term Project; Mid-Term Project; or Long-Term Project Those categories are based on the information by line agencies.																									
Priority in Terms of Hazard Analysis	High Priority: Project in highly vulnerable Union Parishads. Medium Priority: Project in vulnerable Union Parishads. Low Priority: Project in less vulnerable Union Parishads.																									
Remarks	“What to do or what has been done” such as DPP approval or next step of this proposal such as feasibility study																									

5.2.1 Prioritized Structural Countermeasures

(1) Infrastructures for Protection and Control against floods

As shown in the flood hazard map in Chapter 3.1.1 and the flood risk assessment results in Chapter 4.1.1, Chormohalla Union is the most flood prone due to its location and low-lying condition. In order to reduce flood disaster risk in this Upazila, in terms of protecting agricultural property in a way that is compatible with its unique hydrological characteristics as well as people's livelihood, development of submergible embankment and its ancillary work should be considered with higher priority. In order to mitigate the damage to settlement areas and critical infrastructures, strengthening the flow carrying capacity of Surma River and other main channels with embankment and other improvement works are also important. Apart from them, drainage management works including sluice gate and canal excavation in flood prone areas such as Isilampur, Jawar Bazar, and Bhatgaon are also highly required. The category of the project for flood prevention and mitigation are shown below. Although there are some types of countermeasures that have not been proposed by communities and line agencies currently, it is necessary to clarify the responsible agencies and implementing policies and to subsequently take actions to implement them.

- a) Embankment/dyke
- b) Other river improvement (e.g., Widening and Deepening)
- c) Sluice gates
- d) Retarding basin/reservoir
- e) Drainage Facilities (e.g., Pumping Station)
- f) Rubber Dam

The map below shows infrastructures for flood prevention and mitigation. The areas where the higher priority is put as DRR targets are the high-risk area highlighted in red (shown in Chapter 4). The proposed project list of each countermeasure by category are shown in Attachment.

In addition, there is a possibility that there will be a flood of a magnitude greater than the target level of the flood in the Plan. In such an event, it will be important to protect human life by expanding non-structural measures (see Chapter 5.2.2 for more detail).

Also, in the future, flood management infrastructure projects should be developed at a higher safety level than that is adopted in the Plan from a long-term perspective. It might be necessary to establish a safety level, which should be determined according to the development status of the region. Possible measures to achieve such a higher safety level include further widening of main channels, diversion of flood waters through construction of diversion channel and reduction of flood flows through construction of retarding basin in the upper reaches of the river, in addition to the development of said non-structural measures. The possibility of these measures should be examined taking into account the hydrological, topographic and geological characteristics of target areas as well as social and environmental conditions.

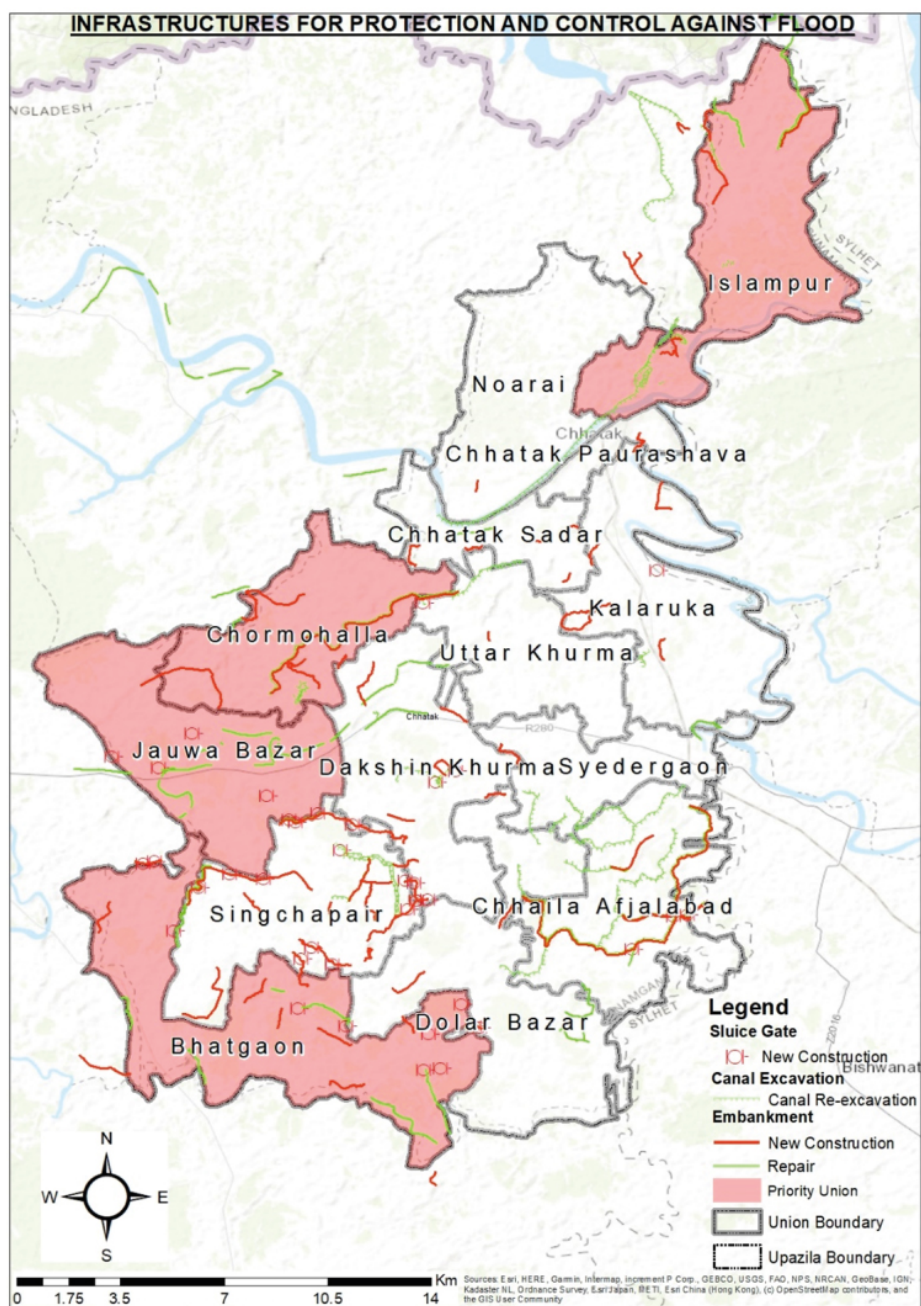


Figure 5-1. Priority Union for Countermeasure to Reduce Risk by Flood

(2) Structural Measures against Earthquake Shaking

- a) Compliance with the building code (BNBC-2020)
- b) Building Assessment (Seismic Diagnosis)
- b) Retrofitting of important facilities and infrastructure

There is no proposed project for structural measures against earthquake shaking by line ministries and communities so far. However, the seismic diagnosis as well as retrofitting of existing important facilities (e.g., schools, hospitals, shelters) and infrastructure (e.g., bridges, roads, embankments/dykes) are required in advance, for saving lives and evacuation during and after the earthquakes. At the same time, it is significant to promote complying with BNBC-2020 with official instructions and monitoring when constructing new buildings.

(3) Infrastructures for Protection and Control against Sediment Disasters

According to the risk assessment results, Islampur, Bhatgaon, Chormohalla, Jauwa Bazar, Chhatak Paurashava, and Noarai Unions are relatively high-disaster-prone areas in this Upazila. Although emergency operations are significant in all Upazilas and should be functional in the whole of the administrative area, this plan prioritizes to propose the improvement of the infrastructures for emergency operations in such highly disaster-prone areas first. Specifically, shelters need to be sited in safer sites and have the capacities of all expected evacuees in each above union. It is also significant to consider introducing multi-purpose shelters that can be utilized as schools and community centers in normal times, when newly constructing or maintaining shelters. Regarding public infrastructures, main roads and bridges connecting important facilities between unions, such as the road between Rathonpur village and Sonbari bazar (LGED-ID: 690234056), and Gonespur Ferrghat - Islampur Madrasa via UP Office Road Bridge (LGED-ID: 690233006), should be constructed or appropriately maintained with sufficient widths for emergency operation during the disasters. The improvement of culverts, drains, and other facilities for water is also necessary in inundation-prone-areas to drain the water to mitigate the stagnant water, which lead to smooth recovery and consequently mitigate infectious diseases.

The category of the project for infrastructures for emergency operations are shown below.

- a) Shelters
- b) Roads
- c) Bridges
- d) Culverts
- e) Drains
- f) Facilities for water (e.g., Tube well, pipeline and sanitation (Latrine))
- g) Other infrastructures and facilities for emergency operations

The map below shows Infrastructures for emergency operation, highlighted in red are the high-risk areas where this plan puts priority as DRR targets (shown in Chapter 4). The proposed project list of each countermeasure by category are shown in Attachment 1.

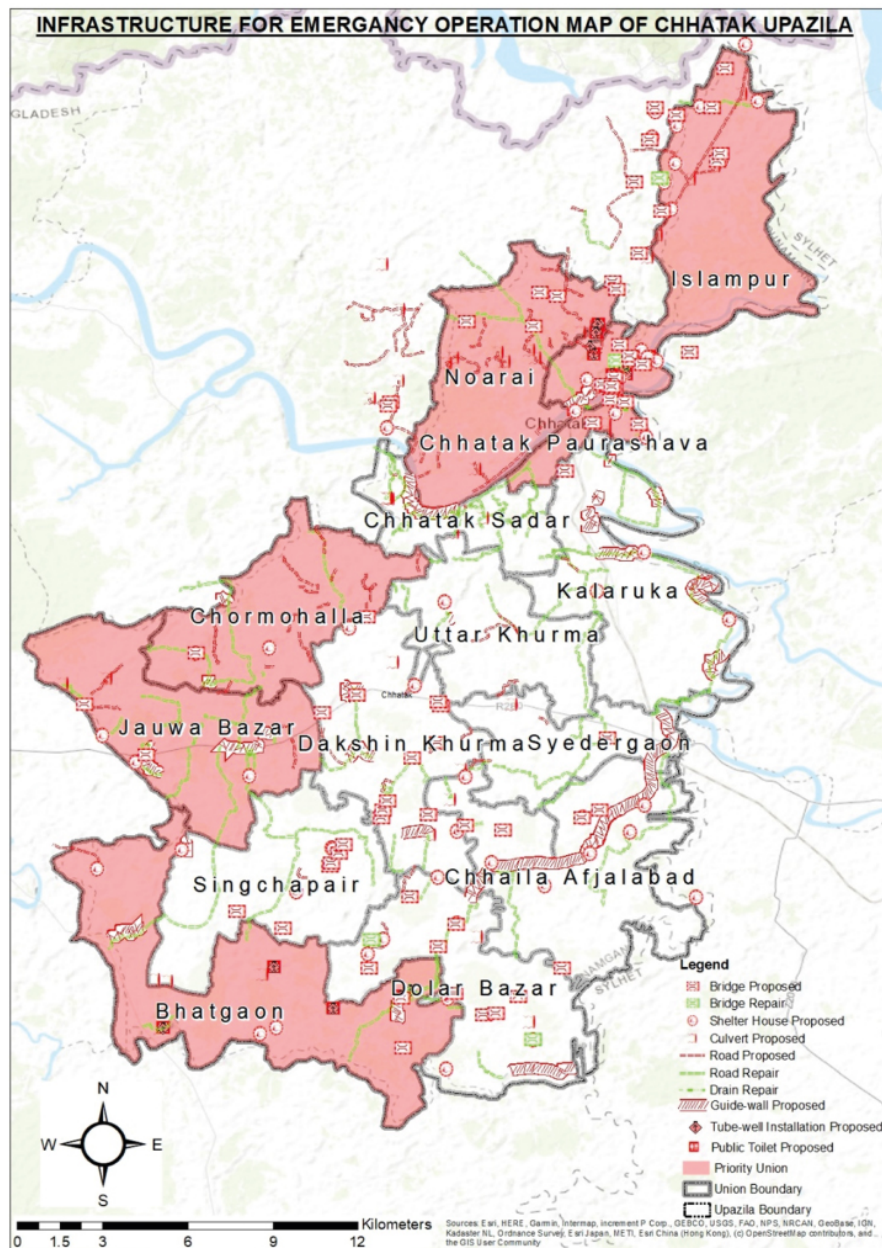


Figure 5-2. Location of Infrastructures for emergency operation

(4) Infrastructures for Prevention of Other disasters

a) Lightening Arrestor

There are few projects for improving infrastructures for prevention of lightning damage that were proposed by line ministries and communities. These projects are shown in the Attachment 1.

5.2.2 Needed Non-Structural Countermeasures

There are some non-structural countermeasures that have been relatively promoted in the Upazila, specifically early warning information and communication and raising public awareness and disaster education as shown in the Chapter 5.1. However, in consideration of the possibility of large-scale disasters as well as the residual (remaining) risks of proposed structural countermeasures, it is required to promote non-structural countermeasures, specifically evacuation plans (e.g., consideration of the location of the shelter and its capacity, evacuation roads) and early warning systems, at the same time with structural countermeasures. In addition, although land use regulations and controls have not been often seen in this Upazila, such drastic approach should be considered especially in severe high-disaster risk areas. The category of the non-structural countermeasures is shown below.

(1) Land use planning (Upazila/UDD)

- a) Urbanization Control
- b) Resettlement
- c) Designating Special Warning Area

(2) Early Warning Information and Communication (BWDB/DDM/FFWC/BIWTA etc.,)

- a) Installation of Monitoring System of Rainfall and Water level
- b) Flood Forecasting and Warning System, including community radio
- c) Telecommunication system for search and rescue

(3) Disaster Management Training and materials

- a) Preparation of SOP for emergency operation (DDM)
- b) Simulation and exercise (DDM/FSCD)
- c) Evacuation drill/shelter and evacuation route (DDM/FSCD)
- d) Training on DRR (DDM)
- e) Preparation for the emergency operation (DDM/FSCD/DGHS)

(4) Raising Public Awareness and Disaster Education

- a) Publication of DRR Maps (DDM)
- b) Inventory preparation on vulnerable infrastructure (PWD/ DMC)
- c) Disaster preparedness education in schools (DoPE/DoEE)
- d) Awareness session on disaster, including Celebrating day's observation on disaster (DDM)
- e) DRR awareness related billboard (DDM)

(5) Other non-structural countermeasures

There are few projects related to the above countermeasures that were proposed by line ministries and communities, which are shown in Attachment 1. In order to further promote disaster risk reduction in the collaboration of structural and non-structural countermeasures, it is necessary to clarify the responsible agencies and implementing policies of the non-structural measures that had not been implemented or even proposed, and to subsequently take actions to execute them.

5.3 Monitoring and Updating of the Plan

For the appropriate implementation of the projects by project implementing agencies, this plan is to be monitored and updated by UzSC supported by TSC in the following steps.

Step 1: The UzSC in coordination with TSC will check the status (rate of progress) of the prioritized project annually, one year and two or three years after their development.

Table 5-4. Project Status

Status	F/S	DPP approved	ADP	Annual Budget
Continuing Project	+	+	+/-	+/-
Pipeline Project	+/-	-	-	-
New Project	-	-	-	-
Unknown	-	-	-	-

Step 2: The TSC will confirm the effectiveness of existing projects and the need for new proposed projects including the proposal mentioned in 5.2.

Step 3: For those areas where the need for feasibility studies has been identified, the implementing agencies will hold preparatory discussions for the preparation of a DPP, including obtaining the budget for feasibility studies, and report back to the TSC.

Step 4: Based on the findings after the TSC meeting, the UzSC will re-examine the need for new proposals once a year.

Step 5: If any changes are identified, the UzSC will update the plan.

The conceptual model of the monitoring and updating the plan is proposed as shown below.

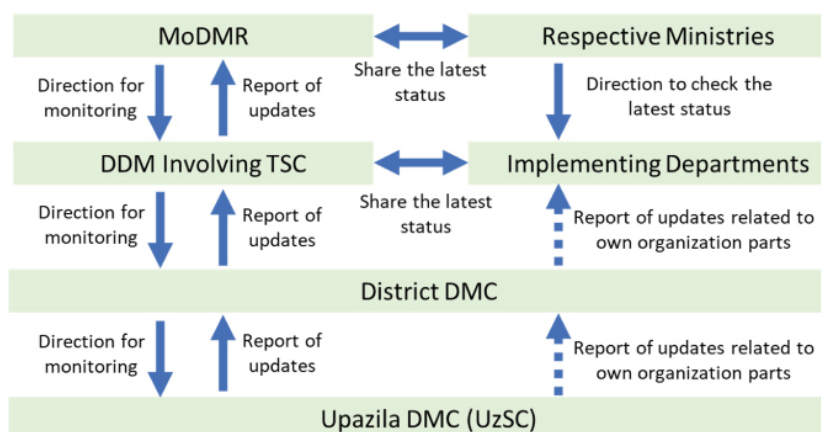


Figure 5-3. Conceptual diagram for monitoring and updating the plan

Attachment 1: Proposed countermeasure list

Attachment 2: Member lists of UzDMC and UzSC

Attachment 3: Activity photos

Attachment 1: Proposed Countermeasures List {Priority Unions (identified in Chapter 4.3) are highlighted in red color}

1. Infrastructures for Protection and Control against flood

a) Embankment/dyke- Embankment

Projects by BWDB

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
BHAT-EMB-11	New Construction	Bhatgaon Union	1207.01	-	From Putiya bill abdul malik house to Alkas Uddin house near main road	Undecided	1.21 km embankment Proposed (Proposed by Community people)	Ward 06 of Bhatgaon Union	36	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-EMB-13	Repair and Renovation	Bhatgaon Union	1439.27	-	Masukali sluice gate to Sreepotipure embankment	Undecided	1.44 km embankment Repair (Proposed by Community people)	Ward 04 of Bhatgaon Union	43	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-EMB-14	Repair and Renovation	Bhatgaon Union	1899.51	-	Gowashpur via masukali sluice gate to Sreepotipure embankment	Undecided	1.90 km embankment Repair (Proposed by Community people)	Ward 04 of Bhatgaon Union	57	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-EMB-15	New Construction	Bhatgaon Union	1250.90	-	From Singarkhali Sluice gate to Mojumdarbari	Undecided	1.25 km embankment Proposed (Proposed by Community people)	Ward 05 of Bhatgaon Union	38	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-EMB-18	New Construction	Bhatgaon Union	1336.85	-	From Bisharodpur Monnaf Miya's house to ayna Miya's house	Undecided	1.34 km embankment Proposed (Proposed by Community people)	Ward 07 of Bhatgaon Union	40	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-EMB-19	Repair and Renovation	Bhatgaon Union	2926.08	-	Kanchonpur bridge to somoshpur bridge embankment	Undecided	2.93 km embankment Repair (Proposed by Community people)	Ward 07 of Bhatgaon Union	88	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-EMB-20	New Construction	Bhatgaon Union	853.74	-	From Asirun's house Jaliya road to Chatarkoi Doyas Mia's house	Undecided	0.85 km embankment Proposed by Community people and BWDB	Ward 01 of Bhatgaon Union	26	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-EMB-22	Repair and Renovation	Bhatgaon Union	2514.30	-	Gajajur to pagnarpar embankment	Undecided	2.51 km embankment Repair (Proposed by Community people)	Ward 02 of Bhatgaon Union	75	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-EMB-23	Repair and Renovation	Bhatgaon Union	2404.57	-	South Boratuka to shomoshpur embankment	Undecided	2.40 km embankment Repair (Proposed by Community people)	Ward 08 of Bhatgaon Union	72	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-EMB-25	New Construction	Bhatgaon Union	1889.15	-	From Shaktigoan Azam ali's house to Chatli haor culvert	Undecided	1.89 km embankment Proposed by Community people and BWDB	Ward 03 of Bhatgaon Union	57	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-EMB-26	New Construction	Bhatgaon Union	494.39	-	From the bank of hawarkhal bill to Boterkhal	Undecided	0.49 km embankment Proposed (Proposed by Community people)	Ward 06 of Bhatgaon Union	15	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
CHAR-EMB-27	New Construction	Chormohalla Union	9415.88	-	Amerthoil bazar jamia mosque to chorchora/Bukinodi bridge	Undecided	9.42 km embankment Proposed by Community people and BWDB	Ward 01,07 of Chormohalla Union	282	Mid Term	Low	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
CHAR-EMB-28	New Construction	Chormohalla Union	3696.00	-	Kamarkhal govt. primary school to Kamrangi Janota High School.	Undecided	3.70 km embankment Proposed (Proposed by Community people)	Ward 08 of Chormohalla Union	111	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
CHAR-EMB-29	New Construction	Chormohalla Union	3795.06	-	Borgati-baruka haor embankment	Undecided	3.80 km embankment Proposed by Community people and BWDB	Ward 04,05 of Chormohalla Union	114	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
CHAR-EMB-32	New Construction	Chormohalla Union	1274.98	-	From Jalalichor bridge to Janiar haor road	Undecided	1.27 km embankment Proposed (Proposed by Community people)	Ward 06 of Chormohalla Union	38	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
CHAR-EMB-33	Repair	Chormohalla Union	1228.04	-	Chanpur village Komor Uddin house to Romjan Ali house	Undecided	1.23 km embankment Repair (Proposed by Community people)	Ward 09 of Chormohalla Union	37	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
CHAR-EMB-34	Repair	Chormohalla Union	1265.83	chhatak-kabita-2022-23-PIC-14	Chanpur village of Dekar haor Submersible embankment repairing.	Continuing	1.27 km embankment Repair (Proposed by Community people)	Ward 07,09 of Chormohalla Union	38	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-35	Repair and Renovation	Jauwa Bazar Union	1576.12	chhatak-kabita-2022-23-PIC-12	(Monirhalaembankment)Debergaon village of Dekar haor Submersible embankment repairing.	Continuing	1.58 km embankment Repair (Proposed by Community people)	Ward 06 of Jauwa Bazar Union	47	Short Term	High	Need Monitoring the effect from UzSC and TSC
ISLAM-EMB-66	Repair and Renovation	Islampur Union	2238.76	-	From the paved road of bongao via dorgakhali to boishakandi main road	Undecided	2.24 km embankment Repair (Proposed by Community people)	Ward 03 of Islampur Union	67	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-EMB-67	Repair and Renovation	Islampur Union	6647.99	-	From Nijgaon via gangarnowakut to boishakandi-bahadurpur, Chinakandi.	Undecided	6.65 km embankment Proposed by Community people and BWDB	Ward 02 of Islampur Union	199	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-EMB-68	New Construction	Islampur Union	2105.56	-	From Sharpin bazar to Boishakandi-Bahadurpur (Karimpur)	Undecided	2.11 km embankment Proposed by Community people and BWDB	Ward 03 of Islampur Union	63	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-EMB-69	New Construction	Islampur Union	1380.44	-	From darogakhali Abul mial's house to east RahmothpurKuddus Ali's house	Undecided	1.38 km embankment Proposed by Community people and BWDB	Ward 02 of Islampur Union	41	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-EMB-70	New Construction	Islampur Union	1431.95	-	From the Ansar ali's house of Islampur bridge to the Uttorhada road.	Undecided	1.43 km embankment Proposed (Proposed by Community people)	Ward 09 of Islampur Union	43	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-EMB-71	New Construction	Islampur Union	602.28	-	In the village of Pandob from the south side of Siddik Ali's house to Haji Idris ali's house	Undecided	0.60 km embankment Proposed (Proposed by Community people)	Ward 09 of Islampur Union	18	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-EMB-72	New Construction	Islampur Union	683.97	-	Moulvigaon-Sipahi tilla-patharipur embankment	Undecided	0.68 km embankment Proposed by Community people and BWDB	Ward 05,08 of Islampur Union	21	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-EMB-73	New Construction	Islampur Union	1032.66	-	Jamura-rahmothpur-Kodomthola embankment	Undecided	1.03 km embankment Proposed (Proposed by Community people)	Ward 05,06 of Islampur Union	31	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-EMB-74	New Construction	Islampur Union	868.38	-	From Kajirgaon Primary School to Abdul Jalil's house	Undecided	0.87 km embankment Proposed (Proposed by Community people)	Ward 01 of Islampur Union	26	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-EMB-75	New Construction	Islampur Union	669.65	-	From Alampur Abdul khalik's house to rahmothpurNotun bazar	Undecided	0.67 km embankment Proposed (Proposed by Community people)	Ward 01 of Islampur Union	20	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-EMB-76	New Construction	Islampur Union	1780.95	-	From rahmothpurNotun bazar to the front of Saidabad Abdus sattar's	Undecided	1.78 km embankment Proposed (Proposed by Community people)	Ward 01 of Islampur Union	53	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

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					house		people)					considering all technical issues.
NOA-EMB-85	New Construction	Noarai Union	417.88	-	From Chatak-Dowarabazar road via Karoligaon school via CharvaraAkhilus member's house to river bank	Undecided	0.42 km embankment Proposed (Proposed by Community people)	Ward 04 of Noarai Union	13	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KALA-EMB-01	New Construction	Kalaruka Union	1453.90	-	Horishpur Road to NanosreeMohibul Islam's house	Undecided	1.45 km embankment Proposed (Proposed by Community people)	Ward 01 of Kalaruka Union	44	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KALA-EMB-02	New Construction	Kalaruka Union	1505.71	-	From khorochkhali bridge to Ilam para	Undecided	1.51 km embankment Proposed (Proposed by Community people)	Ward 05 of Kalaruka Union	45	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KALA-EMB-03	New Construction	Kalaruka Union	918.67	-	Jawakhara bridge salekmiya pond to Sufigoan main road	Undecided	0.92 km embankment Proposed by Community people and BWDB	Ward 11 of Kalaruka Union	28	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KALA-EMB-04	New Construction	Kalaruka Union	901.29	-	Nowagoankajihata main road to kakurakhali	Undecided	0.90 km embankment Proposed (Proposed by Community people)	Ward 05 of Kalaruka Union	27	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KALA-EMB-05	New Construction	Kalaruka Union	1992.48	-	In front of Ilamnogor Alim Uddin's house at khorochkhali bridge	Undecided	1.99 km embankment Proposed (Proposed by Community people)	Ward 05 of Kalaruka Union	60	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DULA-EMB-06	New Construction	Dular Bazar Union	1080.21	-	From Dular bazar to Morjatek	Undecided	1.08 km embankment Proposed by Community people and BWDB	Ward 07 of Dular Bazar Union	32	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DULA-EMB-07	New Construction	Dular Bazar Union	1378.31	-	From the gate saleha khatun kurshi high school to uttorkurshi Ashik mia's house	Undecided	1.38 km embankment Proposed (Proposed by Community people)	Ward 03 of Dular Bazar Union	41	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DULA-EMB-08	New Construction	Dular Bazar Union	727.56	-	Mukterpur Mongla Mia's house to Rampur Deluwar Mia's house	Undecided	0.73 km embankment Proposed by Community people and BWDB	Ward 09 of Dular Bazar Union	22	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DULA-EMB-09	Repair and Renovation	Dular Bazar Union	1172.26	-	Buraya bridge to Mohammadpur bridge embankment	Undecided	1.17 km embankment Repair (Proposed by Community people)	Ward 05 of Dular Bazar Union	35	Mid Term	Low	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DULA-EMB-10	Repair and Renovation	Dular Bazar Union	2255.22	-	From Bhawal shahid bridge to Alampur embankment	Undecided	2.26 km embankment Repair (Proposed by Community people)	Ward 07 of Dular Bazar Union	68	Mid Term	Low	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-EMB-36	New Construction	ChhailaAfzalabad Union	13169.80	-	DularbazarBoterkhal bridge to Gobindogonjal bridge (river side embankment)	Undecided	13.17 km embankment Proposed by Community people BWDB	Ward 01 of ChhailaAfzalabad Union	790	Mid Term	Low	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-EMB-37	New Construction	ChhailaAfzalabad Union	2845.00	-	From the back side of Anandabazar and Mansigram to the bank of kohollarkhal haji bari	Undecided	2.85 km embankment Proposed (Proposed by Community people)	Ward 06, 09 of Chhaila Afzalabad Union	85	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-EMB-38	New Construction	ChhailaAfzalabad Union	3161.39	-	From the back side of Anandabazar and Mansigram to the bank of kohollarkhal haji bari	Undecided	3.16 km embankment Proposed (Proposed by Community people)	Ward 06, 09 of Chhaila Afzalabad Union	95	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
CHATS-EMB-41	New Construction	Chhatak Union	699.82	-	Andhargonjawa road via karirkhal to Borobill	Undecided	0.70 km embankment Proposed (Proposed by Community people)	Ward 03 of Chhatak Union	21	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-	New	Sing Chapair	1586.48	-	From Sirajgonj bazar to	Undecided	1.59 km embankment	Ward 02 of	48	Mid Term	High	UzSChas to request to the

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47	Construction	Union			khasshoan main road.		Proposed (Proposed by Community people)	Singchapai Union				BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-48	New Construction	Sing Chapair Union	3938.02	-	From Soidergoan Khurshid Alis house to Gohorpur main road	Undecided	3.94 km embankment Proposed (Proposed by Community people)	Ward 03 of Singchapai Union	118	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-49	Repair	Sing Chapair Union	1492.30	-	From Aslampur CNB bridge to Shekhergoan Sazzad Ali's house	Undecided	1.49 km embankment Repair (Proposed by Community people)	Ward 03 of Singchapai Union	45	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-50	New Construction	Sing Chapair Union	955.85	-	From Aslampur mosque to Binandopur Jatuwa main road	Undecided	0.96 km embankment Proposed by Community people	Ward 04 of Singchapai Union	29	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-51	New Construction	Sing Chapair Union	2874.57	-	From the western side of Khashgoan bridge to Aynakandi primary school	Undecided	2.87 km embankment Proposed (Proposed by Community people)	Ward 05 of Singchapai Union	86	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-52	New Construction	Sing Chapair Union	1860.96	-	Kachivanga Haor Embankment (From Aynakandi bridge west side via notun Ziapurgangpar via porgona bazar)	New	1.86 km embankment Proposed by Community people and BWDB	Ward 07 of Singchapai Union	60	Mid Term	High	Need to take initiative from the Technical Committee..
SING-EMB-53	New Construction	Sing Chapair Union	2936.44	-	South side of Ziapur village playground via fatar haor to jogonnathpur high way road.	Undecided	2.94 km embankment Proposed by Community people and BWDB	Ward 07 of Singchapai Union	88	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-54	New Construction	Sing Chapair Union	2213.15	-	Kamargoanuttar para jamia mosque to digarpar	Undecided	2.21 km embankment Proposed (Proposed by Community people)	Ward 08 of Singchapai Union	66	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-55	New Construction	Sing Chapair Union	1708.10	-	From Uttorgoan hafijamadrash a to Johirpur Uttorpar Jamia mosque	Undecided	1.71 km embankment Proposed (Proposed by Community people)	Ward 04 of Singchapai Union	51	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-56	New Construction	Sing Chapair Union	702.26	-	From Ijjathkhali LGED road to kumarkandi Shelter house	Undecided	0.70 km embankment Proposed (Proposed by Community people)	Ward 06 of Singchapai Union	21	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-57	New Construction	Sing Chapair Union	883.01	-	From purathon Aynakandi mosque to the west side of Shorisapara	Undecided	0.88 km embankment Proposed (Proposed by Community people)	Ward 09 of Singchapai Union	26	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-58	New Construction	Sing Chapair Union	1291.44	-	East side of Sirajgonj bazar and Chiknakandi Rafik Mia's house to the near of Boterkhal River.	Undecided	1.29 km embankment Proposed (Proposed by Community people)	Ward 02 of Singchapai Union	39	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-59	New Construction	Sing Chapair Union	1100.02	-	From Mujibur Rahman house of Singchapai to Kashipur Sharif Ulla's house	Undecided	1.10 km embankment Proposed (Proposed by Community people)	Ward 01 of Singchapai Union	33	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-60	New Construction	Sing Chapair Union	1669.08	-	From Mohodi Point to Mahmoodpur to the mouth of kuradol	Undecided	1.67 km embankment Proposed (Proposed by Community people)	Ward 03 of Singchapai Union	50	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-61	New Construction	Sing Chapair Union	964.39	-	From Mohodi Biti-tree to Singchapai Madrasa	Undecided	0.96 km embankment Proposed (Proposed by Community people)	Ward 03 of Singchapai Union	29	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-EMB-62	New Construction	Sing Chapair Union	941.22	-	From the front of banikandi master Gias Uddin's house to the	Undecided	0.94 km embankment Proposed (Proposed by Community people)	Ward 06 of Singchapai Union	28	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan

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					border line of Kurshi		people)					considering all technical issues.
DK-EMB-77	New Construction	Dakshin Khurma Union	1387.75	-	From Chegapara Sumon member's house to the front of Gachaura Nojrul's house.	Undecided	1.39 km embankment Proposed (Proposed by Community people)	Ward 04 of Dakshin Khurma Union	42	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DK-EMB-78	New Construction	Dakshin Khurma Union	896.11	-	From the head of Aziz Mia's house in Monirgati village to Abdullah Miza's land	Undecided	0.90 km embankment Proposed (Proposed by Community people)	Ward 03 of Dakshin Khurma Union	27	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DK-EMB-79	Repair and Renovation	Dakshin Khurma Union	1723.64	-	From the mouth of Baur canal to the mouth of Jatua canal	Undecided	1.72 km embankment Proposed (Proposed by Community people)	Ward 08 of Dakshin Khurma Union	52	Mid Term	Low	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DK-EMB-80	New Construction	Dakshin Khurma Union	1797.71	-	From the house of Kanur Ali of Haddan Ali village to the front of Ratpur Shoyfula house	Undecided	1.80 km embankment Proposed (Proposed by Community people)	Ward 09 of Dakshin Khurma Union	54	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DK-EMB-81	New Construction	Dakshin Khurma Union	1010.41	-	From Lali das Jolgaon to thortorgaon Durgaprosno house	Undecided	1.01 km embankment Proposed (Proposed by Community people)	Ward 06 of Dakshin Khurma Union	30	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAID-EMB-82	Repair and Renovation	Syedergaon Union	1609.95	-	Beraipur to Chanpur embankment	Undecided	1.61 km embankment Repair (Proposed by Community people)	Ward 08,09 Syedergaon Union	48	Mid Term	Low	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAID-EMB-83	New Construction	Syedergaon Union	2018.39	-	From Terabnagar Abdul Monaf house to Lokkipur pr. School (Boter khal river side embankment)	Undecided	2.02 km embankment Proposed by Community people and BWDB	Ward 05 Syedergaon Union	61	Mid Term	Low	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAID-EMB-84	New Construction	Syedergaon Union	1169.21	-	From Furkan village Nojrul Islam's house to the end of Kochuwa bill Bubar vanga.	Undecided	1.17 km embankment Proposed by Community people and BWDB	Ward 01 Syedergaon Union	35	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

Projects by Chhatak Paurashava

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
CHATP-EMB-86	New Construction	Chhatak Paurashava	1139.95	-	Infront of Muktiuddhababon, Chatak to Bhola graveyard	New	1.14 km embankment Proposed by Community people, chhatak paurashava and BWDB	Ward 07 of Chhatak Paurashava	34	Mid Term	High	Detailed Design Required

Projects by DDM

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
BHAT-EMB-12	Repair and Renovation	Bhatgaon Union	423.37	-	kawanipara towards main road embankment	New	0.42 km embankment Repair (Proposed by Community people)	Ward 06 of Bhatgaon Union	13	Mid Term	High	Detailed Design Required
BHAT-EMB-16	New Construction	Bhatgaon Union	754.08	-	Infront of Mondolpur Ropon Ali's house	New	0.75 km embankment Proposed (Proposed by Community people)	Ward 05 of Bhatgaon Union	23	Mid Term	High	Detailed Design Required
BHAT-EMB-17	Repair and Renovation	Bhatgaon Union	150.00	-	Over the kundonala river embankment	New	0.15 km embankment Repair (Proposed by Community people)	Ward 03 of Bhatgaon Union	5	Mid Term	High	Detailed Design Required

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BHAT-EMB-21	New Construction	Bhatgaon Union	1339.29	-	Jaliya main road to kachura canal	New	1.34 km embankment Proposed (Proposed by Community people)	Ward 01 of Bhatgaon Union	40	Mid Term	Medium	Detailed Design Required
BHAT-EMB-24	New Construction	Bhatgaon Union	778.76	-	From Boratukahasnabad Jomidar House to Monir Mia's house	New	0.78 km embankment Proposed (Proposed by Community people)	Ward 08 of Bhatgaon Union	23	Mid Term	High	Detailed Design Required
CHAR-EMB-30	New Construction	Chormohalla Union	626.97	-	From Shewthorchorjawa-Chatak road to Shaharchorali Ahmed house	New	0.63 km embankment Proposed (Proposed by Community people)	Ward 04 of Chormohalla Union	19	Mid Term	High	Detailed Design Required
CHAR-EMB-31	New Construction	Chormohalla Union	548.94	-	Nobaichor Mukam mosque to East side of abdulqadir house	New	0.55 km embankment Proposed (Proposed by Community people)	Ward 06 of Chormohalla Union	16	Mid Term	High	Detailed Design Required
SAILA-EMB-39	Repair and Renovation	Chhaila Afzalabad Union	787.30	-	Buraiyabazarkhaler mukh embankment	New	0.79 km embankment repair Proposed by Community people and Union parishad	Ward 06 of Chhaila Afzalabad Union	24	Mid Term	High	Detailed Design Required
SAILA-EMB-40	Repair and Renovation	Chhaila Afzalabad Union	587.04	-	Lakeshwarbazar embankment	New	0.59 km embankment repair & Proposed by Community people and Union parishad	Ward 06 of Chhaila Afzalabad Union	18	Mid Term	High	Detailed Design Required
CHATS-EMB-42	New Construction	Chhatak Union	140.21	-	From ashidali land to kakura river.	New	0.14 km embankment Proposed (Proposed by Community people)	Ward 06 of Chhatak Union	4	Mid Term	High	Detailed Design Required
CHATS-EMB-43	New Construction	Chhatak Union	327.05	-	Kazihata Goyar haor's canal and Embankment with a Sluice gate	New	0.33 km embankment Proposed (Proposed by Community people)	Ward 06 of Chhatak Union	10	Mid Term	High	Detailed Design Required
CHATS-EMB-44	New Construction	Chhatak Union	527.61	-	From Primary school of Barobari village to east-south side of Barobari Haor	New	0.53 km embankment Proposed by Community people	Ward 09 of Chhatak Union	16	Mid Term	High	Detailed Design Required
CHATS-EMB-45	New Construction	Chhatak Union	188.06	-	Andhargoan Jawa road via karirkhal to Borobill	New	0.19 km embankment Proposed (Proposed by Community people)	Ward 03 of Chhatak Union	6	Mid Term	High	Detailed Design Required
CHATS-EMB-46	New Construction	Chhatak Union	322.48	-	From Muktingaon new Mosque to South-East Muktingaon Haor	New	0.32 km embankment Proposed (Proposed by Community people)	Ward 05 of Chhatak Union	10	Mid Term	High	Detailed Design Required
SING-EMB-63	New Construction	Sing Chapair Union	511.45	-	South side of Sirajgonj bazar Mosabbir's house via	New	0.51 km embankment Proposed (Proposed by Community people)	Ward 02 of Sing Chapair Union	15	Mid Term	High	Detailed Design Required
SING-EMB-64	New Construction	Sing Chapair Union	365.76	-	Mohodi 2no bridge puran bazar ekotha High School to Horimondir	New	0.37 km embankment Proposed (Proposed by Community people)	Ward 03 of Sing Chapair Union	11	Mid Term	High	Detailed Design Required
SING-EMB-124	Repair	Sing Chapair Union	3060	-	From Aynakandi bridge west side via notun Ziapurgangpar via porgona bazar	New	3.06 km embankment Proposed by Community people and BWDB	Ward 07 of Sing Chapair Union	92	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
UKHU-EMB-65	New Construction	Uttar Khurma Union	356.31	-	Elongi Motin Miya's fish farm to kaptan Miya's House	New	0.36 km embankment Proposed (Proposed by Community people)	Ward 08 of Uttar Khurma Union	11	Mid Term	High	Detailed Design Required

a) Embankment/dyke– Submergible Embankment

Projects by BWDB

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JAWA-EMB-87	Repair and Renovation	Jauwa Bazar Union	895	Chhatak-Kabita-PIC-01	At Bagharai village of Dekar Haor	Continuing	0.90 km Embankment Repair On going (Ch-00 m-895 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	23	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-88	Repair and Renovation	Jauwa Bazar Union	425	Chhatak-Kabita-PIC-02	At Bagharai village of Dekar Haor	Continuing	0.43 km Embankment Repair On going (Ch-895 m-1320 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	21	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-89	Repair and Renovation	Jauwa Bazar Union	943	Chhatak-Kabita-PIC-03	At Bagharai village of Dekar Haor	Continuing	0.94 km Embankment Repair On going (Ch-00 m-103 m, 00 m-55 m, 00-785m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	13	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-90	Repair and Renovation	Jauwa Bazar Union	740	Chhatak-Kabita-PIC-04	At Badeswari, Tarapur village of Dekar Haor	Continuing	0.74 km Embankment Repair On going (Ch-785 m-1525 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	18	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-91	Repair and Renovation	Jauwa Bazar Union	862	Chhatak-Kabita-PIC-05	At Surigaon village of Dekar Haor	Continuing	0.86 km Embankment Repair On going (Ch-1525 m-2295 m, 00 m-92 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	23	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-92	Repair and Renovation	Jauwa Bazar Union	512	Chhatak-Kabita-PIC-06	At Debergaon, Hugli Charay village of Dekar Haor	Continuing	0.51 km Embankment Repair On going (Ch-00 m-450 m, 00 m-62 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	16	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-93	Repair and Renovation	Jauwa Bazar Union	698	Chhatak-Kabita-PIC-07	At Debergaon Mosque, Moaluyo village of Dekar Haor	Continuing	0.70 km Embankment Repair On going (Ch-00 m-570 m, 00 m-128 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	19	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-94	Repair and Renovation	Jauwa Bazar Union	600	Chhatak-Kabita-PIC-08	At ganirdala village of Dekar Haor	Continuing	0.60 km Embankment Repair On going (Ch-00 m-6000 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	22	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-95	Repair and Renovation	Jauwa Bazar Union	1392	Chhatak-Kabita-PIC-10	At Kamrangi village of Dekar Haor	Continuing	1.39 km Embankment Repair On going (Ch-00 m-1360 m, 00 m-32 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	20	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-96	Repair and Renovation	Jauwa Bazar Union	1300	Chhatak-Kabita-PIC-11	At Chandopur village of Dekar Haor	Continuing	1.30 km Embankment Repair On going (Ch-00 m-1300 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	20	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-97	Repair and Renovation	Jauwa Bazar Union	1351	Chhatak-Kabita-PIC-15	At LaxmonSomkandi village of Dekar Haor.	Continuing	1.35 km Embankment Repair On going (Ch-00 m-1330 m, 00-31 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	14	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-98	Repair and Renovation	Jauwa Bazar Union	828	Chhatak-Kabita-PIC-16	At Baro Beel under Konapara village of	Continuing	0.83 km Embankment Repair On going (Ch-00 m-828 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	21	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-99	Repair and Renovation	Jauwa Bazar Union	307	Chhatak-Kabita-PIC-17	At Baro Beel and closer under Konapara village of	Continuing	0.31 km Embankment Repair On going (Ch-828 m-1030 m, 00 m-105 m) rest of	All word of Jauwa Bazar Union	17	Short Term	High	Need Monitoring the effect from UzSC and TSC

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
					Chawli Haor		Embankment need to rehabilitation (Proposed by BWDB)					
JAWA-EMB-100	Repair and Renovation	Jauwa Bazar Union	641	Chhatak-Kabita-PIC-20	At Kuri Beel, Khatkona of Dekar Haor	Continuing	0.64 km Embankment Repair On going (Ch-00 m-476 m, 00 m-165 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	22	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-101	Repair and Renovation	Jauwa Bazar Union	335	Chhatak-Kabita-PIC-21	At Konapara village of Chawli Haor	Continuing	0.34 km Embankment Repair On going (Ch-00 m-16 m, 00 m-74 m, 00 m-175 m, 00 m-70 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	14	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-102	Repair and Renovation	Jauwa Bazar Union	438	Chhatak-Kabita-PIC-22	At Masukhal of Dekar Haor	Continuing	0.44 km Embankment Repair On going (Ch-00 m-228 m, 228 m-410 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	24	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-103	Repair and Renovation	Jauwa Bazar Union	1200	Chhatak-Kabita-PIC-23	At Masukhal of Dekar Haor	Continuing	1.20 km Embankment Repair On going (Ch-410 m-1610 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	16	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-104	Repair and Renovation	Jauwa Bazar Union	644	Chhatak-Kabita-PIC-31	At different closers of Chawli Haor (Rawli closer- 1 & 2/Nowagaon closer)	Continuing	0.64 km Embankment Repair On going (Ch-00 m-550 m, 00 m-19 m, 00 m-75 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	19	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-105	Repair and Renovation	Jauwa Bazar Union	203	Chhatak-Kabita-PIC-32	At different Bridge closers of Chawli Haor. (Dowlatpur Bridge closer- 1 & 2/Kaitak Bridge closer)	Continuing	0.20 km Embankment Repair On going (Ch-00 m-40 m, 00 m-60 m, 00 m-103 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	14	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-106	Repair and Renovation	Jauwa Bazar Union	305	Chhatak-Kabita-PIC-34	At Aslampur closer-2 of Chawli Haor (Dowlatpur Bridge closer- 1 & 2/ Kaitak Bridge closer)	Continuing	0.31 km Embankment Repair On going (Ch-00 m-305 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	22	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-EMB-107	Repair and Renovation	Jauwa Bazar Union	900	Chhatak-Kabita-PIC-37	At Dakshin Gani closer of Kachibhanga Haor	Continuing	0.90 km Embankment Repair On going (Ch-00 m-900 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Jauwa Bazar Union	17	Short Term	High	Need Monitoring the effect from UzSC and TSC
CHAR-EMB-108	Repair and Renovation	Chormohalla Union	1070	Chhatak-Kabita-PIC-09	At Kamrangi village of Dekar Haor.	Continuing	1.07 km Embankment Repair On going (Ch-00 m-1070 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Chormohalla Union	22	Short Term	High	Need Monitoring the effect from UzSC and TSC
CHAR-EMB-109	Repair and Renovation	Chormohalla Union	600	Chhatak-Kabita-PIC-12	At Chandopur - Nalua village of Dekar Haor.	Continuing	0.60 km Embankment Repair On going (Ch-00 m-600 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Chormohalla Union	22	Short Term	High	Need Monitoring the effect from UzSC and TSC
CHAR-EMB-110	Repair and Renovation	Chormohalla Union	117	Chhatak-Kabita-PIC-13	At Chandopur - Nalua village of Dekar Haor	Continuing	0.12 km Embankment Repair On going (Ch-600 m-690 m, 00 m-27 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Chormohalla Union	6	Short Term	High	Need Monitoring the effect from UzSC and TSC
CHAR-EMB-111	Repair and Renovation	Chormohalla Union	275	Chhatak-Kabita-PIC-14	At Chandopur village of Dekar Haor	Continuing	0.28 km Embankment Repair On going (Ch-00 m-105 m, 00 m-32 m, 00 m-33 m, 00 m-105 m) rest of Embankment need	All word of Chormohalla Union	11	Short Term	High	Need Monitoring the effect from UzSC and TSC

Attachment1- 8

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
							to rehabilitation (Proposed by BWDB)					
CHAR-EMB-112	Repair and Renovation	Chormohalla Union	550	Chhatak-Kabita-PIC-36	At Chandopur closer of Dekar Haor	Continuing	0.55 km Embankment Repair On going (Ch-00 m-150 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word of Chormohalla Union	12	Short Term	High	Need Monitoring the effect from UzSC and TSC
NOA-EMB-115	Repair and Renovation	Noarai Union	800	Chhatak-Kabita-PIC-24	At Kachudair embankment of Nainder Haor.	Continuing	0.80 km Embankment Repair On going (Ch-00 m-800 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word's of Noarai Union	24	Short Term	High	Need Monitoring the effect from UzSC and TSC
NOA-EMB-116	Repair and Renovation	Noarai Union	1257	Chhatak-Kabita-PIC-25	At Kachudair& Rangpur closer of Nainder Haor	Continuing	1.26 km Embankment Repair On going (Ch-800 m-1992 m, 00 m-65 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word's of Noarai Union	18	Short Term	High	Need Monitoring the effect from UzSC and TSC
NOA-EMB-117	Repair and Renovation	Noarai Union	85	Chhatak-Kabita-PIC-26	At Rangpur closer of Nainder Haor	Continuing	0.85 km Embankment Repair On going (Ch-00 m-85 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word's of Noarai Union	10	Short Term	High	Need Monitoring the effect from UzSC and TSC
NOA-EMB-118	Repair and Renovation	Noarai Union	212	Chhatak-Kabita-PIC-27	At Rangpur of Nainder Haor	Continuing	0.21 km Embankment Repair On going (Ch-00 m-28 m, 00 m-40 m, 00 m-54 m, 00 m-90 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word's of Noarai Union	13	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-119	Repair and Renovation	Noarai Union	77	Chhatak-Kabita-PIC-28	At Laxmibaur Mirja khal closer of Nainder Haor. (Mirja khal closer/Chowdhuri khal closer/batura closer)	Continuing	0.77 km Embankment Repair On going (Ch-00 m-37 m, 00 m-13 m, 00 m-27 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word's of Noarai Union	12	Short Term	High	Need Monitoring the effect from UzSC and TSC
NOA-EMB-120	Repair and Renovation	Noarai Union	48	Chhatak-Kabita-PIC-29	At Saheb khal closer of Nainder Haor. (Mirja khal closer/Chowdhuri khal closer/batura closer)	Continuing	0.48 km Embankment Repair On going (Ch-00 m-20 m, 00 m-28 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word's of Noarai Union	14	Short Term	High	Need Monitoring the effect from UzSC and TSC
NOA-EMB-121	Repair and Renovation	Noarai Union	110	Chhatak-Kabita-PIC-30	At Goladair closer of Nainder Haor	Continuing	0.11 km Embankment Repair On going (Ch-00 m-110 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All word's of Noarai Union	11	Short Term	High	Need Monitoring the effect from UzSC and TSC
UKHU-EMB-113	Repair and Renovation	Uttar Khurma Union	1880	Chhatak-Kabita-PIC-18	At Baithakhali Haor.	Continuing	1.88 km Embankment Repair On going (Ch-00 m-1880 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All ward's of Uttar Khurma Union	25	Short Term	High	Need Monitoring the effect from UzSC and TSC
UKHU-EMB-114	Repair and Renovation	Uttar Khurma Union	280	Chhatak-Kabita-PIC-19	At Baithakhali Haor (Nowa Khal, Ruku Khal, Manikganj Bazar Khal, Chowkha Khal, Akosh Mia's Bhanga, Hadon Ali's bhanga)	Continuing	0.28 km Embankment Repair On going (Ch-00 m-24 m, 00 m-29 m, 00 m-25 m, 00 m-114 m, 00 m-123 m, 00 m-75 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	All ward's of Uttar Khurma Union	22	Short Term	High	Need Monitoring the effect from UzSC and TSC
DK-EMB-122	Repair and Renovation	Dakshin Khurma Union	287	Chhatak-Kabita-PIC-33	At different khal closer of Chawli Haor (Aslampur closer-2 /Saidergaon closer-	Continuing	0.29 km Embankment Repair On going (Ch-305 m-550 m, 00 m-27 m, 00 m-12 m, 00 m-18 m, 00 m-15 m) rest of Embankment need to	All ward of Dakshin Khurma Union	23	Short Term	High	Need Monitoring the effect from UzSC and TSC

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					1,2,3 & 4)		rehabilitation (Proposed by BWDB)					
SING-EMB-123	Repair and Renovation	Sing Chapair Union	296	Chhatak-Kabita-PIC-35	At different closer of Chawli Haor (Binandapur closer /Dangerkhara closer-1,2 /Gahorpurkhal closer /Siraganj khal closer)	Continuing	0.30 km Embankment Repair On going (Ch-00 m-75 m, 00 m-16 m, 00 m-135 m, 00 m-30 m, 00 m-40 m) rest of Embankment need to rehabilitation (Proposed by BWDB)	Singchapor Union	16	Short Term	High	Need Monitoring the effect from UzSC and TSC

b) Other river improvement (e.g. Widening and Deepening)

Projects by BWDB

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CHAR-CE-03	Repair	Chormohalla Union	8847	-	Buki nodi dredging :Amthoil mosque Via nanosree,Chorkhali,ma tiarchor to borokejauramadrasa	Undecided	8.85Km Canal Re-excavation Proposed by Community people	Ward 01, 07 of Chormohalla Union	265	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-RE-04	Repair	Islampur Union	2206	-	Sonai Nodi dredging :Boirong river and Sonai Nodi	Undecided	2.21km River dredging Proposed by Community people/BWDB	Ward 02 of Islampur Union	66	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-RE-05	Repair	Islampur Union	7283	-	IchamothiLuharsing river dredging :Dorgakhali near Rojob Ali member's house to Ichamothi bridge.	Undecided	7.28km River dredging Proposed by Community people/BWDB	Ward 02 of Islampur Union	218	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-RE-06	Repair	Islampur Union	1707	-	Chela river dredging : Infront of Kajirgaon-Dadrogakhali village of Chela river to Pekuwabil	Undecided	1.71km River dredging Proposed by Community people/BWDB	Ward 01 of Islampur Union	51	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
CHAR-BE-01	Repair	Chormohalla Union	2044	-	Shakati haor beel: Jalalichornakar haor to Rangadinga River	Undecided	2.04 km Beel Dredging Proposed by Community people	Ward 06, 07 of Chormohalla Union	61	Mid Term	Low	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-BE-02	Repair	Islampur Union	162	-	Jolsundhabeel and Athorkhal dredging	Undecided	0.16 km Beel Dredging Proposed by Community people	Ward 07 of Islampur Union	5	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-BE-03	Repair	Islampur Union	1438	-	Fulfulibeeldredging : From the western side of Chorapar to nowagaon	Undecided	1.44 km Beel Dredging Proposed by Community people	Ward 07 of Islampur Union	43	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-BE-04	Repair	Islampur Union	946	-	Guwa-Paguwabeeldredging : Starting of Gowabeel to the end of Aguwa beel	Undecided	0.95 km Beel Dredging Proposed by Community people	Ward 01 of Islampur Union	28	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-BE-05	Repair	Islampur	871	-	Majh-hatabeel	Undecided	0.87 km Beel	Ward 05 of Islampur	26	Mid Term	High	UzSChas to request to the BWDB

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		Union			dredging		Dredging Proposed by Community people	Union				district office, to include the BWDB development plan considering all technical issues.
JAWA-GUI-17	New Construction	Jauwa Bazar Union	1419.15	-	From khidrakapon Talukdar soa-mill to LokkonsumKursheed Ali's house	Undecided	1.42km Guidewall Proposed by Community people	Ward 07, 08 of Jauwa Bazar Union	114	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KALA-CE-01	Repair	Kalaruka Union	770	-	Terapur village khal : Jawar bridge to tarapur near the Surma river	Undecided	0.77Km Canal Re-excavation Proposed by Community people	Ward 05 of Kalaruka Union	23	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DULA-CE-02	Repair	Dular Bazar Union	1029	-	DularbazarMadrasahkhal: Dularbazar bridge near Boter khal via dularbazaMadrashta to Beel	Undecided	1.03Km Canal Re-excavation Proposed by Community people	Ward 07 of Dular Bazar Union	31	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-CE-04	Repair	ChhailaAfzalabad Union	3039	-	Kohollarkhal dredging: From the back side of Anandabazar and Mansigram to the bank of kohollarkhal haji bari	Undecided	3.04 Km Canal Re-excavation Proposed by Community people	Ward 06, 09 of ChhailaAfzalabad Union	91	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-CE-05	Repair	ChhailaAfzalabad Union	1514	-	Kohollarkhal dredging: From the bank of Kohollarkhal to GohuraSiddik Ali's house	Undecided	1.51 Km Canal Re-excavation Proposed by Community people	Ward 06, 07 of ChhailaAfzalabad Union	45	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-CE-06	Repair	ChhailaAfzalabad Union	4350	-	Umrakulerkhal dredging: From Teganga bridge to back side of umrakhalboter mosque	Undecided	4.35 Km Canal Re-excavation Proposed by Community people	Ward 08 of ChhailaAfzalabad Union	131	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-CE-07	Repair	ChhailaAfzalabad Union	1700	-	kotirmarkhal :Umrakulhal dredging: Front of Umrakul bridge	Undecided	1.70Km Canal Re-excavation Proposed by Community people	Ward 03 of ChhailaAfzalabad Union	51	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-CE-08	Repair	ChhailaAfzalabad Union	3777	-	Nowapara-Anandanogorkhal: From Anandanagor bridge to nowapara bridge	Undecided	3.78 Km Canal Re-excavation Proposed by Community people	Ward 04 of ChhailaAfzalabad Union	113	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-CE-09	Repair	ChhailaAfzalabad Union	1212	-	Kohollarkhal : Mouth of banglabazarkohollarkhal	Undecided	1.21Km Canal Re-excavation Proposed by Community people	Ward 04 of ChhailaAfzalabad Union	36	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-CE-10	Repair	Sing Chapair Union	1154	-	Gohorpurkhaldredging : From Gohorpurkhal to Mohodi Inner bridge	Undecided	1.15Km Canal Re-excavation Proposed by Community people	Ward 03 of Singchapair Union	35	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-CE-11	Repair	Sing Chapair Union	155	-	From Gohorpur Borail thol to Goikarbon Graveyard.	Undecided	0.15 Km Canal Re-excavation Proposed by Community people	Ward 02 of Singchapair Union	5	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-CE-12	Repair	Sing Chapair Union	432	-	Kalishwar river dredging: From Kalishwar village kharamukh to the western play ground of kalipur village	Undecided	0.43Km Canal Re-excavation Proposed by Community people	Ward 02 of Singchapair Union	13	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

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UKHU-CE-13	Repair	Uttar Khurma Union	2793	-	Bukinodidredging : From Chutobeyai Amer thoiljamia mosque to kandigoan	Undecided	2.79Km Canal Re-excavation Proposed by Community people	Ward 07 of Uttar Khurma Union	84	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
UKHU-CE-14	Repair	Uttar Khurma Union	1379	-	Borobiyainowakhal dredging: Boro biyainowakhal bridge to Buki River	Undecided	1.38 Km Canal Re-excavation Proposed by Community people	Ward 07 of Uttar Khurma Union	41	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DK-CE-15	Repair	Dakshin Khurma Union	1001	-	Dorarpar bazar khal : From dorarpar Bazar to Ali store	Undecided	1.00Km Canal Re-excavation Proposed by Community people	Ward 04 of Dakshin Khurma Union	30	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DK-CE-16	Repair	Dakshin Khurma Union	423	-	Ganura river dredging : In front of Ansar Ali House from Baur Jame Masjid	Undecided	0.42Km Canal Re-excavation Proposed by Community people	Ward 08 of Dakshin Khurma Union	13	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAID-CE-17	Repair	Syedergaon Union	2308	-	Telihaor nala khal : From Teli haor sluice gate to Pirpur bridge	Undecided	2.31 Km Canal Re-excavation Proposed by Community people	Ward 03 of Syedergaon Union	69	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAID-CE-18	Repair	Syedergaon Union	2544	-	Jamalkalikhali: From billpar bridge to telihaor.	Undecided	2.54 Km Canal Re-excavation Proposed by Community people	Ward 04 of Syedergaon Union	76	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAID-CE-19	Repair	Syedergaon Union	1420	-	Bawbugliuttorekhal : From telihaorbawbugli to Abdur razzak's house.	Undecided	1.42Km Canal Re-excavation Proposed by Community people	Ward 08 of Syedergaon Union	43	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAID-CE-20	Repair	Syedergaon Union	1031	-	Butiakhal: From Abdul Motin's house to Telihaor	Undecided	1.03Km Canal Re-excavation Proposed by Community people	Ward 03 of Saidergaon Union	31	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAID-CE-21	Repair	Syedergaon Union	2159	-	Kaliarakhali :Khoilartek to Telihaor	Undecided	2.16Km Canal Re-excavation Proposed by Community people	Ward 05 of Saidergaon Union	65	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-RE-01	Repair	ChhailaAfzalabad Union	12977	-	Boterkhal Excavation	Pipeline	12.98km River dredging Proposed by Community people/BWDB	Ward 01 of ChhailaAfzalabad Union	389	Short Term	High	Need to take initiative from TSC
SING-RE-02	Repair	Sing Chapair Union	2863	-	From Mohodi bridge to the mouth of Boterkhal in Sirajgonj bazar	Undecided	2.86km River dredging Proposed by Community people/BWDB	Ward 03 of Singchapair Union	86	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-RE-03	Repair	Sing Chapair Union	642	-	Mojidpur river dredging: From MojidpurRiver bank to Mohodi 2no. Bridge	Undecided	0.64km River dredging Proposed by Community people/BWDB	Ward 02 of Singchapair Union	19	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DK-RE-07	Repair	Dakshin Khurma Union	1725	-	Nayagao Madrasa to the last head of Sikandarpur village	Undecided	1.72km River dredging Proposed by Community people/BWDB	Ward 04 and 5 of Dakshin Khurma Union	52	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
SAID-RE-08	Repair	Syedergaon Union	5363	-	Jamal khaliNodi :Gobindagonj Boterkhalkachamia's house to telihao	Undecided	5.36km River dredging Proposed by Community people/BWDB	Ward 05 of Syedergaon Union	161	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BWDB-RE-09	Repair	NA	11000	-	Surma River Chhatak	Continuing	11km Need to River Dredging (Ch-80km-91km) (Proposed by BWDB)	ChatakUpazila	500	Short Term	High	Need Monitoring the effect from UzSC and TSC
KALA-GUI-04	New Construction	Kalaruka Union	1373.43	-	From shongkarpur Sech prokolpa- ChanpurMoklasmiya's house	Undecided	1.37km Guidewall Proposed by Community people	Ward 04 of Kalaruka Union	110	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KALA-GUI-05	New Construction	Kalaruka Union	1524.30	-	PailonpurKobiruddin's house to Anoinpurjamalmiyas house	Undecided	1.52km Guidewall Proposed by Community people	Ward 07 of Kalaruka Union	122	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KALA-GUI-06	New Construction	Kalaruka Union	1209.14	-	From NurullahpurMadrasha to Udoypurhashimur Ali's house	Undecided	1.21km Guidewall Proposed by Community people	Ward 08 of Kalaruka Union	97	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DULA-GUI-07	New Construction	Dular Bazar Union	1080.21	-	From Dular bazar to Morjatek North Side	Undecided	1.08km Guidewall Proposed by Community people	Ward 07 of Dular Bazar Union	86	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DULA-GUI-08	New Construction	Dular Bazar Union	2185.11	-	From JugolnagorShitabali's house to Hossain Mia's house	Undecided	2.19km Guidewall Proposed by Community people	Ward 06 of Dular Bazar Union	175	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-GUI-18	New Construction	ChhailaAfzalabad Union	853.74	-	Brahmangoan Surma river point to DigliMortuj Ali's house	Undecided	0.85km Guidewall Proposed by Community people	Ward 01 of ChhailaAfzalabad Union	68	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-GUI-19	New Construction	ChhailaAfzalabad Union	8596.27	-	Digli Gi Uddin's house to Dularbazar/shorishpur bridge	Undecided	8.60km Guidewall Proposed by Community people	Ward 01 of ChhailaAfzalabad Union	688	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DK-GUI-24	New Construction	Dakshin Khurma Union	978.71	-	From in front of Bahar Uddin's house in Chechan village to CNB road	Undecided	0.98km Guidewall Proposed by Community people	Ward 07 of Dakshin Khurma Union	78	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAID-GUI-29	New Construction	Syedergaon Union	1738.58	-	Terabnagor to GouronagorKhuddusmi a's house	Undecided	1.74km Guidewall proposed by ChhatakPaurasha va	Ward 05 of Syedergaon Union	139	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

c) Sluice gates

Projects by BWDB

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
BHAT-SLU-03	New Construction	Bhatgaon Union	-	East side of Monohor's house in Fingakalikhah	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 05 of Bhatgaon Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-SLU-04	New Construction	Bhatgaon Union	-	Near JohirpurMojumdarbar i	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 05 of Bhatgaon Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-SLU-05	New Construction	Bhatgaon Union	-	Jaliya - Chatarkoi nearDoyas Mia's house	Undecided	18.00 m Sluice gate Proposed by Community people	Ward 01 of Bhatgaon Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-SLU-06	New Construction	Bhatgaon Union	-	From Asirun's house toward Jaliya road to ChatarkoiDoyas Mia's house.	Undecided	22.86 m Sluice gate Proposed by Community people	Ward 01 of Bhatgaon Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-SLU-07	New Construction	Bhatgaon Union	-	To the mouth ofHilkurt bill dhala near Thourich Miya's land	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 09 of Bhatgaon Union	300	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-SLU-08	New Construction	Bhatgaon Union	-	Near DokshinMoskapur graveyard	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 09 of Bhatgaon Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-SLU-09	New Construction	Bhatgaon Union	-	Near Anujani-SingerkachAbulkalam' s house	Undecided	15.24 m Sluice gate Proposed by Community people	Ward 09 of Bhatgaon Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-SLU-10	New Construction	Bhatgaon Union	-	Near karimpur Gulap Ali's house	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 05 of Bhatgaon Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
BHAT-SLU-11	New Construction	Bhatgaon Union	-	Near RukontajpurShajahn's land in the mouth of Dholishiri bill .	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 09 of Bhatgaon Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
JWA-SLU-12	New Construction	Jauwa Bazar Union	-	Back side of Patli Mosque	Undecided	45.72 m Sluice gate Proposed by Community people	Ward 06 of Jauwa Bazar Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
JWA-SLU-13	New Construction	Jauwa Bazar Union	-	Debergoankandipara Grazing land	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 06 of Jauwa Bazar Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
JWA-SLU-14	New Construction	Jauwa Bazar Union	-	Infront of Aftai Mia's house to Dokshinborokapon	Undecided	12.19 m Sluice gate Proposed by Community people	Ward 03 of Jauwa Bazar Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
JWA-SLU-15	New Construction	Jauwa Bazar Union	-	Beside Binonpur Lalu Mia's house	Undecided	10.67 m Sluice gate Proposed by Community people	Ward 08 of Jauwa Bazar Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KAL-SLU-01	New Construction	Kalaruka Union	-	Near the house of Shahid Mia in kalarukakhalpar.	Undecided	12.19 m Sluice gate Proposed by Community people	Ward 04 of Kalaruka Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DULA-SLU-02	New Construction	Dular Bazar Union	-	Infront of JahidpurZiabil near Cherag Ali's house	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 04 of Dular Bazar Union	300	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-SLU-16	New Construction	ChhailaAf zalabad Union	-	Infront of Tuta mia's house in Mirjapurkhal	Undecided	6.10 m Sluice gate Proposed by Community people	Ward 09 of ChhailaAfzalabad Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-SLU-17	New Construction	ChhailaAf zalabad Union	-	End of Lakeshwar and near of village khal	Undecided	7.62 m Sluice gate Proposed by Community people	Ward 06 of ChhailaAfzalabad Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SAILA-SLU-18	New Construction	ChhailaAf zalabad Union	-	In the mouth of Boushariver, near Khidra village	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 05 of ChhailaAfzalabad Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-19	New Construction	Sing Chapair Union	-	Near chauli haor jalachar	Undecided	3.66 m Sluice gate Proposed by Community people	Ward 03 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-20	New Construction	Sing Chapair Union	-	Near the land of Gohorpur Asok Ali's house	Undecided	3.66 m Sluice gate Proposed by Community people	Ward 03 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-21	New	Sing	-	Near Chauli haor	Undecided	4.57 m Sluice gate	Ward 03 of		Mid Term	High	UzSChas to request to the BWDB district

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	Construction	Chapair Union		Anamul hok's house		Proposed by Community people	Singchapair Union	300			office, to include the BWDB development plan considering all technical issues.
SING-SLU-22	New Construction	Sing Chapair Union	-	AlampurDengakharam ukh	Undecided	7.62 m Sluice gate Proposed by Community people	Ward 03 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-23	New Construction	Sing Chapair Union	-	AlampurDengakharam ukh	Undecided	4.57 m Sluice gate Proposed by Community people	Ward 03 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-24	New Construction	Sing Chapair Union	-	In khashgoanDhala	Undecided	10.67 m Sluice gate Proposed by Community people	Ward 05 of Singchapair Union	300	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-25	New Construction	Sing Chapair Union	-	Infront of Aynakandi Govt. pr. School Bridge	Undecided	10.67 m Sluice gate Proposed by Community people	Ward 05 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-26	New Construction	Sing Chapair Union	-	Infront of NotunZiapurKawaj Ali's/Barik Dhala	Undecided	30.48 m Sluice gate Proposed by Community people	Ward 07 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-27	New Construction	Sing Chapair Union	-	Infront of Ziapurgangpar Anamul hok's house to the bank of halda river.	Undecided	7.62 m Sluice gate Proposed by Community people	Ward 07 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-28	New Construction	Sing Chapair Union	-	Infront of kamargoan Alim Uddin's house	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 04 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-29	New Construction	Sing Chapair Union	-	Infront of kamargoan Ahammad's house	Undecided	9.14 m Sluice gate Proposed by Community people	Ward 04 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-30	New Construction	Sing Chapair Union	-	BanikandiDhalarpur	Undecided	10.67 m Sluice gate Proposed by Community people	Ward 04 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-31	New Construction	Sing Chapair Union	-	Chiknikandi near Hiron mia's land	Undecided	4.57 m Sluice gate Proposed by Community people	Ward 02 of Singchapair Union	16	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-32	New Construction	Sing Chapair Union	-	Near samad Mia's house of Chiknakandi	Undecided	4.57 m Sluice gate Proposed by Community people	Ward 02 of Singchapair Union	16	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-33	New Construction	Sing Chapair Union	-	Infront of Kashipur Chiknikandimadrasha	Undecided	4.57 m Sluice gate Proposed by Community people	Ward 02 of Singchapair Union	16	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-34	New Construction	Sing Chapair Union	-	Infront of the house of Haji Gonaimia	Undecided	4.57 m Sluice gate Proposed by Community people	Ward 01 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-35	New Construction	Sing Chapair Union	-	Singchapair Mujibur rahman's house	Undecided	4.57 m Sluice gate Proposed by Community people	Ward 01 of Singchapair Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-SLU-36	New Construction	Sing Chapair Union	-	Near Dr. Idris Alis House in Sirajgonj Bazar	Undecided	7.62 m Sluice gate Proposed by Community people	Ward 02 of Singchapair Union	27	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
UKHU-SLU-37	New Construction	Uttar Khurma Union	-	In Boro biyaiNowakhali bridge	Undecided	15.24 m Sluice gate Proposed by Community people	Ward 07 of Uttar Khurma Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DK-SLU-38	New Construction	Dakshin Khurma Union	-	Infront of Chechan Mangal Mia's house, next to the main road bridge.	Undecided	12.19 m Sluice gate Proposed by Community people	Ward 07 of Dakshin Khurma Union	300	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
DK-SLU-39	New Construction	Dakshin Khurma Union	-	Manikgonj Bazar near Moaqueest side Jomir house	Undecided	7.62 m Sluice gate Proposed by Community people	Ward 03 of Dakshin Khurma Union	300	Mid Term	High	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

f) Rubber Dam

Projects by BWDB

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
ISLAM-RDAM-02	New Construction	Islampur Union	30.48	-	In Morachela river of hadachanpur-pandob	Undecided	30.72m Rubber Dam Proposed by Community people/BWDB	Ward 09 of Islampur Union	1,067	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-RDAM-03	New Construction	Islampur Union	45.72	-	In PurboDorgakhallilcha mothLoharsing river	Undecided	45.72m Rubber Dam Proposed by Community people/BWDB	Ward 02 of Islampur Union	1,600	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ISLAM-RDAM-04	New Construction	Islampur Union	45.72	-	On the Chela river near Rahmothpurnowabazar.	Undecided	45.72m Rubber Dam Proposed by Community people/BWDB	Ward 01 of Islampur Union	1,600	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SING-RDAM-01	New Construction	Sing Chapair Union	45.72	-	Near northern side of Dengakhara bridge	Undecided	45.72m Rubber Dam Proposed by Community people/BWDB	Ward 03 of Singchapair Union	1,600	Mid Term	Medium	UzSChas to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

3. Infrastructures for Emergency Operations

a) Shelters

Projects by Chhatak Paurashava

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
CHATP-SHEL-52	New Construction	ChhatakPaurashava	Chh/09/S-01	Flood Shelter /Boula Abdur Rahim's house	New	Shelterhouse proposed by Chhatak Paurashava	Ward 09 of ChhatakPaurashava	450	Mid Term	high	Detailed Design Required
CHATP-SHEL-53	New Construction	ChhatakPaurashava	Chh/06/S-02	Flood Shelter /Bagbari old Pourosova office	New	Shelterhouse proposed by Chhatak Paurashava	Ward 06 of ChhatakPaurashava	300	Mid Term	high	Detailed Design Required
CHATP-SHEL-54	New Construction	ChhatakPaurashava	Chh/01/S-03	Flood Shelter /Near Fokir tilla BGB camp	New	Shelterhouse proposed by Chhatak Paurashava	Ward 01 of ChhatakPaurashava	450	Mid Term	high	Detailed Design Required

Projects by LGED

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
BHAT-SHEL-14	New Construction	Bhatgaon Union	-	West side of jaliya primary school.	New	Shelterhouse Proposed by Community people	Ward 01 of Bhatgaon Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-36	New Construction	Islampur Union	-	Infront of Rahmothpur School.	New	Shelterhouse Proposed by Community people	Ward 01 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-37	New Construction	Islampur Union	-	Infront of Saidabad Non Govt. primary School	New	Shelterhouse Proposed by Community people	Ward 01 of Islampur Union	450	Mid Term	High	Detailed Design Required
ISLAM-SHEL-38	New Construction	Islampur Union	-	In kajirgaon HRPF Primary school	New	Shelterhouse Proposed by Community people	Ward 01 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-39	New Construction	Islampur Union	-	In Dorgakhali govt. primary school	New	Shelterhouse Proposed by Community people	Ward 02 of Islampur Union	450	Mid Term	High	Detailed Design Required
ISLAM-SHEL-43	New Construction	Islampur Union	-	In NijgaonRothonpur Primary school	New	Shelterhouse Proposed by Community people	Ward 02 of Islampur Union	450	Mid Term	High	Detailed Design Required

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
ISLAM-SHEL-46	New Construction	Islampur Union	-	South side of Goneshpur Govt. primary school	New	Shelterhouse Proposed by Community people	Ward 07 of Islampur Union	300	Mid Term	High	Detailed Design Required
KAL-SHEL-03	New Construction	Kalaruka Union	-	In the Shahjalal high school, Rampur.	New	Shelterhouse Proposed by Community people	Ward 08 of Kalaruka Union	450	Mid Term	High	Detailed Design Required
DULA-SHEL-04	New Construction	Dular Bazar Union	-	In the playground of katashala school.	New	Shelterhouse Proposed by Community people	Ward 02 of Dular Bazar Union	450	Mid Term	High	Detailed Design Required
DULA-SHEL-05	New Construction	Dular Bazar Union	-	East side of palpur School & collage	New	Shelterhouse Proposed by Community people	Ward 08 of Dular Bazar Union	300	Mid Term	High	Detailed Design Required
DULA-SHEL-07	New Construction	Dular Bazar Union	-	Near Bosonthopur govt. primary school	New	Shelterhouse Proposed by Community people	Ward 06 of Dular Bazar Union	450	Mid Term	High	Detailed Design Required
DULA-SHEL-09	New Construction	Dular Bazar Union	-	Infront of Noroshingpur primary school	New	Shelterhouse Proposed by Community people	Ward 06 of Dular Bazar Union	450	Mid Term	High	Detailed Design Required
SAILA-SHEL-22	New Construction	ChhailaAfzal abad Union	-	Radhanagor primary school to shibnagorBoterkhal	New	Shelterhouse Proposed by Community people	Ward 03 of ChhailaAfzalabad Union	450	Mid Term	High	Detailed Design Required
SAILA-SHEL-23	New Construction	ChhailaAfzal abad Union	-	Front of AnandanogorGupalnagor School	New	Shelterhouse Proposed by Community people	Ward 05 of ChhailaAfzalabad Union	450	Mid Term	High	Detailed Design Required
DK-SHEL-47	New Construction	Dakshin Khurma Union	-	In front of Hadan Ali Purakati Government School	New	Shelterhouse Proposed by Community people	Ward 09 of Dakshin Khurma Union	300	Mid Term	High	Detailed Design Required

Projects by DDM

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
BHAT-SHEL-12	New Construction	Bhatgaon Union	-	Beside Kanglajan Nur Ali's house	New	Shelterhouse Proposed by Community people	Ward 04 of Bhatgaon Union	300	Mid Term	High	Detailed Design Required
BHAT-SHEL-13	New Construction	Bhatgaon Union	-	Near Dumka River to east side of Hydorpurishhakali's house	New	Shelterhouse Proposed by Community people	Ward 04 of Bhatgaon Union	150	Mid Term	High	Detailed Design Required
BHAT-SHEL-15	New Construction	Bhatgaon Union	-	Pagnar par Shanju member's house (EX.) Back side	New	Shelterhouse Proposed by Community people	Ward 02 of Bhatgaon Union	300	Mid Term	High	Detailed Design Required
BHAT-SHEL-16	New Construction	Bhatgaon Union	-	Infront of Anujani point (Near Anujanidarulquran madrasa sign bord)	New	Shelterhouse Proposed by Community people	Ward 09 of Bhatgaon Union	300	Mid Term	High	Detailed Design Required
CHAR-SHEL-17	New Construction	Chormohalla Union	-	Near Deolakhali bridge	New	Shelterhouse Proposed by Community people	Ward 08 of Chormohalla Union	450	Mid Term	High	Detailed Design Required
CHAR-SHEL-18	New Construction	Chormohalla Union	-	Infront of Jalalichor bridge	New	Shelterhouse Proposed by Community people	Ward 06 of Chormohalla Union	450	Mid Term	High	Detailed Design Required
JWA-SHEL-19	New Construction	Jauwa Bazar Union	-	Infront of koral notun bazar field.	New	Shelterhouse Proposed by Community people	Ward 05 of Jauwa Bazar Union	450	Mid Term	High	Detailed Design Required
JWA-SHEL-20	New Construction	Jauwa Bazar Union	-	Infront of dokshinBorokapon Monfor Ali's house	New	Shelterhouse Proposed by Community people	Ward 03 of Jauwa Bazar Union	150	Mid Term	High	Detailed Design Required
JWA-SHEL-21	New Construction	Jauwa Bazar Union	-	Infront of Habidpur Anis Ali's house	New	Shelterhouse Proposed by Community people	Ward 08 of Jauwa Bazar Union	450	Mid Term	High	Detailed Design Required
ISLAM-SHEL-31	New Construction	Islampur Union	-	Boishakandi-Bahadurpur Primary School.	New	Shelterhouse Proposed by Community people	Ward 03 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-32	New Construction	Islampur Union	-	GoalgoanIslampur	New	Shelterhouse Proposed by Community people	Ward 06 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-33	New Construction	Islampur Union	-	IslampurMoulvirgoan	New	Shelterhouse Proposed by Community people	Ward 05 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-34	New Construction	Islampur Union	-	Infront of Islampur Union parishad	New	Shelterhouse Proposed by Community people	Ward 04 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-35	New Construction	Islampur Union	-	Islampur, hadachanpur	New	Shelterhouse Proposed by Community people	Ward 09 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-40	New Construction	Islampur Union	-	Jamia Islamia BongaonMadrasa, slampur	New	Shelterhouse Proposed by Community people	Ward 02 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-41	New Construction	Islampur Union	-	Jamia Islamia Boishakandimadrasa ,Islam	New	Shelterhouse Proposed by Community people	Ward 02 of Islampur Union	300	Mid Term	High	Detailed Design Required

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ISLAM-SHEL-42	New Construction	Islampur Union	-	pur Gangarnowakut, Islampur	New	Shelterhouse Proposed by Community people	Ward 02 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-44	New Construction	Islampur Union	-	In RahmothpurNotun bazar	New	Shelterhouse Proposed by Community people	Ward 01 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-SHEL-45	New Construction	Islampur Union	-	RahmothpurNotun bazar	New	Shelterhouse Proposed by Community people	Ward 07 of Islampur Union	300	Mid Term	High	Detailed Design Required
ISLAM-CSHEL-04	New Construction	Islampur Union	-	Near Dhonitillarashnogor govt. primary school	New	Cattle Shelterhouse Proposed by Community people	Ward 02 of Islampur Union	150	Mid Term	High	Detailed Design Required
NOA-SHEL-51	New Construction	Noarai Union	-	South side of BeturaMadrasa	New	Shelterhouse Proposed by Community people	Ward 07 of Noarai Union	300	Mid Term	High	Detailed Design Required
KAL-SHEL-01	New Construction	Kalaruka Union	-	Infront of hasnabad mosque	New	Shelterhouse Proposed by Community people	Ward 05 of Kalaruka Union	450	Mid Term	High	Detailed Design Required
KAL-SHEL-02	New Construction	Kalaruka Union	-	Kalaruka bazar beside surma river	New	Shelterhouse Proposed by Community people	Ward 04 of Kalaruka Union	450	Mid Term	High	Detailed Design Required
DULA-SHEL-06	New Construction	Dular Bazar Union	-	Infront of Dularbazar post Office	New	Shelterhouse Proposed by Community people	Ward 07 of Dular Bazar Union	300	Mid Term	High	Detailed Design Required
DULA-SHEL-08	New Construction	Dular Bazar Union	-	Near govt primary school to dakshinkhurshi village	New	Shelterhouse Proposed by Community people	Ward 03 of Dular Bazar Union	450	Mid Term	High	Detailed Design Required
DULA-SHEL-10	New Construction	Dular Bazar Union	-	Near Khurshilislampurmadrasa	New	Shelterhouse Proposed by Community people	Ward 03 of Dular Bazar Union	450	Mid Term	High	Detailed Design Required
DULA-SHEL-11	New Construction	Dular Bazar Union	-	In south side of Moinpurplay ground.	New	Shelterhouse Proposed by Community people	Ward 01 of Dular Bazar Union	300	Mid Term	High	Detailed Design Required
SAILA-SHEL-24	New Construction	ChhailaAfzal abad Union	-	Notunbanglabazar Union poribarkolliyankendro	New	Shelterhouse Proposed by Community people	Ward 04 of ChhailaAfzalabad Union	450	Mid Term	High	Detailed Design Required
SAILA-SHEL-25	New Construction	ChhailaAfzal abad Union	-	Shasongram GedabashipurathonJomidarb ari	New	Shelterhouse Proposed by Community people	Ward 07 of ChhailaAfzalabad Union	450	Mid Term	High	Detailed Design Required
SAILA-SHEL-26	New Construction	ChhailaAfzal abad Union	-	Brahmonjuliya village Uttor para	New	Shelterhouse Proposed by Community people	Ward 09 of ChhailaAfzalabad Union	450	Mid Term	High	Detailed Design Required
SING-SHEL-27	New Construction	Sing Chapair Union	-	Infront of Koyar mia's house in kamarkandi	New	Shelterhouse Proposed by Community people	Ward 05 of Sing Chapair Union	300	Mid Term	High	Detailed Design Required
SING-SHEL-28	New Construction	Sing Chapair Union	-	South side of Gohorpur Village at Govt. pond (Block 1)	New	Shelterhouse Proposed by Community people	Ward 03 of Sing Chapair Union	300	Mid Term	High	Detailed Design Required
SING-SHEL-29	New Construction	Sing Chapair Union	-	South side of Gohorpur Village at Govt. pond (Block 1)	New	Shelterhouse Proposed by Community people	Ward 03 of Sing Chapair Union	300	Mid Term	High	Detailed Design Required
UKHU-SHEL-30	New Construction	Uttar Khurma Union	-	Infront of Furkannogor Primary school	New	Shelterhouse Proposed by Community people	Ward 08 of Uttar Khurma Union	450	Mid Term	High	Detailed Design Required
DK-SHEL-48	New Construction	Dakshin Khurma Union	-	Beside of Community clinic of mayerkulManikgonj Bazer	New	Shelterhouse Proposed by Community people	Ward 03 of Dakshin Khurma Union	450	Mid Term	High	Detailed Design Required
DK-SHEL-49	New Construction	Dakshin Khurma Union	-	In front of Jatuwa Modon Loni das house.	New	Shelterhouse Proposed by Community people	Ward 06 of Dakshin Khurma Union	300	Mid Term	High	Detailed Design Required
SAID-SHEL-50	New Construction	Syedergaon Union	-	Infront of Ramnogor Moin shah majar	New	Shelterhouse Proposed by Community people	Ward 05 of Syedergaon Union	300	Mid Term	High	Detailed Design Required
SING-CSHEL-01	New Construction	Sing Chapair Union	-	South side of Gohorpur Village at Govt. pond (Block 1)	New	Cattle Shelterhouse Proposed by Community people	Ward 03 of Sing Chapair Union	225	Mid Term	High	Detailed Design Required
SING-CSHEL-02	New Construction	Sing Chapair Union	-	South side of Gohorpur Village at Govt. pond (Block 1)	New	Cattle Shelterhouse Proposed by Community people	Ward 03 of Sing Chapair Union	225	Mid Term	High	Detailed Design Required

b) Roads

Projects by LGED

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/ pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
BHAT-RD-11	Repair	Bhatgaon Union	3000m(Ch-1000m-4000m)	690234024	Soktiargaon(RHD)-Kolkoli Bazar Road via Goaspur.	New	3.00km Road Repair & Renovation (Proposed From Community People)	Ward 03 of Bhatgaon Union	100	Mid Term	High	Detailed Design Required
BHAT-RD-12	New Construction	Bhatgaon Union	2100m(Ch-2000m-4100m)	690234029	Jalia-Gonipur Road.	New	2.10km Road Proposed by Community people	Ward 01 of Bhatgaon Union	140	Mid Term	Low	Detailed Design Required
BHAT-RD-13	New Construction	Bhatgaon Union	3400m(Ch-600m-4000m)	690234065	Aligonjbazar toLamarosulgonj GC RD via dokshinBoratuka.	New	3.40km Road Repair & Renovation with new Guide wall (Proposed From Community People and Upazila office)	Ward 08 of Bhatgaon Union	120	Mid Term	Medium	Detailed Design Required
CHAR-RD-18	New Construction	Chormohalla Union	4000m (Ch-0-4000m)	690234046	Ulagonj Bazar-Jawa-Chhatak Road via Hatdolani.	New	4.00km Road Proposed by Community people	Ward 01 of Chormohalla Union	49	Mid Term	High	Detailed Design Required
CHAR-RD-19	New Construction	Chormohalla Union	3720m (ch-1000-4720m)	690234004	Protamarchar-Chandpur Rd.	New	3.72km Road Proposed by Community people	Ward 01 of Chormohalla Union	50	Mid Term	High	Detailed Design Required
CHAR-RD-20	New Construction	Chormohalla Union	1200m (ch-1000m-2200m)	690234031	Tatiarchar Bazar-Charbaruika village Road.	New	0.12km Road Proposed by Community people	Ward 02 of Chormohalla Union	22	Mid Term	High	Detailed Design Required
CHAR-RD-21	New Construction	Chormohalla Union	660m(Ch.2100m-2760m)	690234003	Bailabpur-Chormohalla Rd.	New	0.66km Road Repair & Renovation (Proposed From Community People)	Ward 03 of Chormohalla Union	118	Mid Term	High	Detailed Design Required
CHAR-RD-23	New Construction	Chormohalla Union	2320m (ch-0-2320m)	690234075	Charbaruika-Chormohall bazar	New	2.32km Proposed by Community people	Ward 04 of Chormohalla Union	105	Mid Term	High	Detailed Design Required
CHAR-RD-26	Repair	Chormohalla Union	2000m (ch-0-2000m)	690234104	Chanpur to jolsi RD	New	2.00km Road Repair & Renovation (Proposed From Community People)	Ward 09 of Chormohalla Union	14	Mid Term	Medium	Detailed Design Required
CHAR-RD-27	Repair	Chormohalla Union	1000m (ch-0-1000m)	690235039	Jawa-Chatak road to Shakhaiti village.	New	1.00km Road Repair & Renovation (Proposed From Community People)	Ward 07 of Chormohalla Union	28	Mid Term	High	Detailed Design Required
CHAR-RD-30	New Construction	Chormohalla Union	4000m (ch-1000m-5000m)	690234120	Islamgonj (UZR)-Nansree Village Road	New	4.00km Road Proposed by Community people	Ward 05 of Chormohalla Union	155	Mid Term	Medium	Detailed Design Required
JAWA-RD-36	Repair	Jauwa Bazar Union	1337m	690235171	Paigaon bridge to monjejali house	New	1.34km Road Proposed by Community people	Ward 06 of Jauwa Bazar Union	201	Mid Term	High	Detailed Design Required
JAWA-RD-38	Repair	Jauwa Bazar Union	650m	690235164	Debergaonpaka road GPS to tarchuka village road	New	0.65km Road Proposed by Community people	Ward 06 of Jauwa Bazar Union	46	Mid Term	Medium	Detailed Design Required
JAWA-RD-46	New Construction	Jauwa Bazar Union	500 (ch-0-500m)	690235098	RHD to Koitok village RD	New	0.50km Road Repair & Renovation (Proposed From Community People)	Ward 09 of Jauwa Bazar Union	81	Mid Term	High	Detailed Design Required
ISLAM-RD-80	Repair	Islampur Union	1800m	690233006	Road : Goneshpurferryghat to IslampurMadrasa bazar via UP Office.	Completed	1.80km Road Repair & Renovation (Proposed From Community People)	Ward 07 of Islampur Union	181	-	Medium	Need Monitoring the effect from UzSC and TSC
ISLAM-RD-82	New Construction	Islampur Union	3000m (ch-0-3000m)	690234056	Rathonpur village to Sonbari bazar road.	New	3.00km Road Repair & Renovation (Proposed From Community People)	Ward 03 of Islampur Union	611	Mid Term	High	Detailed Design Required
ISLAM-RD-87	New Construction	Islampur Union	5593m	690234089	Hada to Kunimara road	Continuing	Road Repair & Renovation (Proposed From Community People)	Ward 09 of Islampur Union	1,140	Short Term	High	Need Monitoring the effect from UzSC and TSC
JAWA-RD-141	Repair	Jauwa Bazar Union, ChhailaAfzal abad	1000m (ch-0-1000m)	690232001	Jawa Bazar-Chhatak Road uptoAndargaon	Pipeline	1.00km Road repair Proposed by LGED	All ward ofJauwa Bazar, ChhailaAfzalabad	100	Short Term	Medium	Need to take initiative from TSC
BHAT-RD-143	Repair	Bhatgaon Union, Sing Chapair Union	5000m (ch-0-5000m)	690232003	Kalipur to Pagla-Jagannathpur(Kolkoli bazar) RHD via Haiderpur GCM.	Pipeline	5.00km Road repair Proposed by LGED	All Ward ofBhatgaon Union, Sing Chapair Union	500	Short Term	High	Need to take initiative from TSC
JAWA-RD-147	Repair	Jauwa Bazar Union	10963m (ch-0-10960m)	690232009	Jawa GC-Pagla to Jagannathpur(Vomvome bazar) RHD Road via Porgona bazar	Pipeline	10.96km Road repair Proposed by LGED	All Ward ofJauwa Bazar Union	1,096	Short Term	High	Need to take initiative from TSC

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CHAR-RD-154	Repair	Chormohalla Union	5540m (ch-0-5540m)	690233014	Charmohallah UP Office to Chandpur Road.	Pipeline	5.54km Road repair Proposed by LGED	All Ward ofChormohalla Union	554	Short Term	High	Need to take initiative from TSC
CHAR-RD-156	Repair	Chormohalla Union	10000m (ch-0-10000m)	690233017	Charmoholla Up Complex-Kopla Bazar Road Via Kamrangi Village	Pipeline	10.00km Road repair Proposed by LGED	All Ward ofChormohalla Union	1,000	Short Term	Low	Need to take initiative from TSC
CHAR-RD-159	Repair	Chormohalla Union	ch-0-5660m and ch-5660m-8660m	690234003	BallabPur-Charmoholla Rd	Pipeline	2.70km Road repair Proposed by LGED	All Ward ofChormohalla Union	270	Short Term	Low	Need to take initiative from TSC
JAWA-RD-164	Repair	Jauwa Bazar Union	4100m (ch-0-4100m)	690234029	Jalia-Gonipur Road.	Pipeline	4.10km Road repair Proposed by LGED	All Ward ofJauwa Bazar Union	410	Short Term	Low	Need to take initiative from TSC
BHAT-RD-167	Repair	Bhatgaon Union	2000m (ch-0-2000m)	690234060	Kalipur (UZR Binondapur Road)	Pipeline	2.00km Road repair Proposed by LGED	Ward ofBhatgaon Union	200	Short Term	Low	Need to take initiative from TSC
JAWA-RD-168	Repair	Jauwa Bazar Union	2000m (ch-0-2000m)	690234090	RHD-Kaistakuna-Deberaon Village Rd	Pipeline	2.00km Road repair Proposed by LGED	All Ward ofJauwa Bazar Union	200	Short Term	Low	Need to take initiative from TSC
JAWA-RD-169	Repair	Jauwa Bazar Union	5000m (ch-0-5000m)	690234124	RHD-Debergaon-Kandipara Road	Pipeline	5.00km Road repair Proposed by LGED	All Ward ofJauwa Bazar Union	500	Short Term	Low	Need to take initiative from TSC
NOA-RD-111	New Construction	Noarai Union	811m	690234011	Nowarai UP Office (Nowarailslampur) Norosingpur bazar road	Continuing	0.81km Road Repair & Renovation (Proposed From Community People)	Ward 01 of Noarai Union	81	Short Term	High	Need Monitoring the effect from UzSC and TSC
NOA-RD-112	New Construction	Noarai Union	1500m	690234021	Bandergaon (UNR) Kupia village road	New	1.50km Road Repair & Renovation (Proposed From Community People and LGED)	Ward 02 of Noarai Union	67	Mid Term	High	Detailed Design Required
NOA-RD-117	New Construction	Noarai Union	1000m (ch-0-1000m)	690235018	Joynogor village road	New	1.00km Road Repair & Renovation (Proposed From Community People)	Ward 02 of Noarai Union	104	Mid Term	Medium	Detailed Design Required
NOA-RD-127	New Construction	Noarai Union	1000m	690235209	Laxmibour village road	New	1.00km Road Proposed by Community people	Ward 06 of Noarai Union	34	Mid Term	High	Detailed Design Required
NOA-RD-130	New Construction	Noarai Union	4000m (ch-6000-10000m)	690234018	Baliurbazar to Asadnagar (RHD) Road via Choumuhoni bazar	New	4.00km Road Repair & Renovation (Proposed From Community People)	Ward 07 of Noarai Union	81	Mid Term	High	Detailed Design Required
NOA-RD-134	New Construction	Noarai Union	1700m (ch-3300-5000m)	690234022	Moula(UZR)-Chowmuhoni Bazar Road via Rajargaon	New	1.70km Road Proposed by Community people	Ward 08 of Noarai Union	206	Mid Term	Medium	Detailed Design Required
NOA-RD-145	Repair	Noarai Union	5950m (ch-0-5950m)	690232005	Chhatak UZ HQ - Baliura GCM Road.(Chhatak part)	Pipeline	5.95km Road repair Proposed by LGED	All ward's of Noarai Union	595	Short Term	High	Need to take initiative from TSC
NOA-RD-163	Repair	Noarai Union	5000m (ch-0-5000m)	690234022	Moula(UZR)-Chowmuhoni Bazar Road via Rajargaon.	Pipeline	5.00km Road repair Proposed by LGED	All ward's of Noarai Union	500	Short Term	High	Need to take initiative from TSC
KALA-RD-01	New Construction	Kalaruka Union	2970m	690234002	Rajapur to Goyar haor Road.	New	2.97km Road Repair & Renovation (Proposed From Community People)	Ward 05 of Kalaruka Union	121	Mid Term	Medium	Detailed Design Required
KALA-RD-02	New Construction	Kalaruka Union	3000m(Ch-1000m-4000m)	690234048	Mitrogram(RHD)-Krishno Chy. Road.	New	3.00km Road Proposed by Community people	Ward 07 of Kalaruka Union	83	Mid Term	Medium	Detailed Design Required
KALA-RD-03	New Construction	Kalaruka Union	8660m (ch-0-8660m)	690234001	RHD Road-Goripur Via Shimultala	New	8.66km Road Repair & Renovation (Proposed From Community People)	Ward 01 of Kalaruka Union	6	Mid Term	High	Detailed Design Required
DULA-RD-05	New Construction	Dular Bazar Union	500m(Ch-2000m-2500m)	690234068	Sirajgonj GC-Muhammadgonj Bazar Road	New	0.50km Proposed by Community people	Ward 02 of Dular Bazar Union	139	Mid Term	Medium	Detailed Design Required
DULA-RD-09	Repair	Dular Bazar Union	New Road required 4100m(Ch-1000m-5100m)	690234099	Nayerpar bank-Moinpur bazar rd	New	4.1.km Road Proposed by Community people	Ward 02 of Dular Bazar Union	96	Mid Term	Medium	Detailed Design Required
DULA-RD-10	New Construction	Dular Bazar Union	1120m	690234067	Khurma Bazar	Continuing	1.12km Road Repair & Renovation (Proposed	Ward 02 of Dular Bazar Union	112	Short Term	Low	Need Monitoring the effect from

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					(Morjad) to Shirajganj GC Road Via Rouli		From Community People)					UzSC and TSC
CHATS-RD-51	Repair	Chhatak Union	2000m (ch-0-2000m)	690234057	Bousha bazar to ronomangal village road. /North Embankment Dyke along Surma River: Chainage 35+000 to 37+000	New	2.00km Road Repair & Renovation (Proposed From Community People)	Ward 07 of Chhatak Union	251	Mid Term	High	Detailed Design Required
CHATS-RD-54	Repair	Chhatak Union	610.21	690234057	Bousha bazar to Ronomangal/ North Embankment dyke along surma river: Chainage 37+000 to 37+500	New	0.61km Road Repair & Renovation (Proposed From Community People)	Ward 08 of Chhatak Union	61	Mid Term	High	Detailed Design Required
CHATS-RD-64	Repair	Chhatak Union	1200 (ch-0-1200m)	690235010	Rathgaon Village Road	New	1.20km Road Repair & Renovation (Proposed From Community People)	Ward 05 of Chhatak Union	57	Mid Term	High	Detailed Design Required
CHATS-RD-65	Repair	Chhatak Union	2350(Ch-0-2350m)	690234102	RHD-Kanzi Hata Road.	New	2.35km Road Proposed by Community people	Ward 04 of Chhatak Union	47	Mid Term	High	Detailed Design Required
UKHU-RD-72	New Construction	Uttar Khurma Union	4000m (Ch-4000-8000m)	690233015	Jalalpur(RHD)-Hasnabad Bazar(RHD) Road via Khairgaon.	New	4.00km Road Proposed by Community people	Ward 06 of Uttar Khurma Union	112	Mid Term	High	Detailed Design Required
UKHU-RD-74	Repair	Uttar Khurma Union	1650m (Ch-0-1650m)	690234042	RHD-Chowka Road.	New	1.65km Road Proposed by Community people	Ward 07 of Uttar Khurma Union	74	Mid Term	High	Detailed Design Required
UKHU-RD-78	New Construction	Uttar Khurma Union	1142m	690234083	RHD to Moishapur Rd.	New	1.14km Road Repair & Renovation (Proposed From Community People)	Ward 04 of Uttar Khurma Union	80	Mid Term	High	Detailed Design Required
DK-RD-94	Repair	Dakshin Khurma Union	1000m (ch-0-1000m)	690235068	Dorarpur-Senpur Road.	New	1.00km Road Proposed by Community people	Ward 04,07 of Dakshin Khurma Union	124	Mid Term	High	Detailed Design Required
DK-RD-102	Repair	Dakshin Khurma Union	379m	690233013	Baur (Chechan RHD-Monipur) road	Continuing	0.38km Road Repair & Renovation (Proposed From Community People)	Ward 08 of Dakshin Khurma Union	27	Short Term	Medium	Need Monitoring the effect from UzSC and TSC
JAWA-RD-142	Repair	Jawar Bazar Union, Sing Chapair Union	4100m(ch-3250-7350)	690232002	Kaitak R&H- Sirajganj Bazar Road	Pipeline	4.10km Road repair Proposed by LGED	All ward of Jawar Bazar, Singchapoir	410	Short Term	Medium	Need to take initiative from TSC
CHATS-RD-144	Repair	Chhatak Union	3800m (ch-0-3800m)	690232004	Chhatak UZ HQ- Khatakhali (RHD) via Dowarabajar Road (Chhatak part)	Pipeline	3.80km Road repair Proposed by LGED	Ward ofChhatak Union	380	Short Term	Medium	Need to take initiative from TSC
DULA-RD-146	Repair	Dular Bazar Union	5000m (ch-14000-19000)	690232007	Jalalpur RHD- Rasulganj GC via Dularbazar GC (Chhatak Part)	Pipeline	5.00km Road repair Proposed by LGED	All Ward of Dular Bazar Union	50	Short Term	High	Need to take initiative from TSC
SAIL-RD-148	Repair	ChhailaAfzalabad, Dular Bazar Union	9275m (ch-0-9275m)	690232010	Gobindogonj GCM- Rasulganj GCM via Buraia bazar (Chhatak Part)	Pipeline	9.28km Road repair Proposed by LGED	All ward of ChhailaAfzalabad Union, Dular Bazar Union	928	Short Term	Medium	Need to take initiative from TSC
UKHU-RD-149	Repair	Uttar Khurma Union	8900m(ch-0-8900m)	690233002	Buraigaon-Alampur - Khaergaon Rd.	Pipeline	2.20km Road repair Proposed by LGED	All ward's of Uttar Khurma Union	220	Short Term	Medium	Need to take initiative from TSC
KALA-RD-150	Repair	Kalaruka Union	3350m (ch-8000-11350m)	690233004	Kalaruka UP-Tajpur RHD Road via kalaruka bazar.	Pipeline	3.35km Road repair Proposed by LGED	All Ward's of Kalaruka Union	335	Short Term	Medium	Need to take initiative from TSC
DULA-RD-151	Repair	Dular Bazar Union	6650m (ch-0-6650m)	690233008	Moipur-Aligonj	Pipeline	6.65km Road repair Proposed by LGED	All Ward of Dular Bazar Union	665	Short Term	Low	Need to take initiative from TSC
SAID-RD-152	Repair	Syedergaon Union	4000m (ch-2000-6000m)	690233009	R&H-Bilpar Rd.	Pipeline	4.00km Road repair Proposed by LGED	All ward's ofSyedergaon Union	400	Short Term	Medium	Need to take initiative from TSC
SAID-RD-153	Repair	Syedergaon Union	3000m (ch-0-3000)	690233012	Buria (RHD) Bazar- Peerpur Bazar road.	Pipeline	3.00km Road repair Proposed by LGED	All ward's ofSyedergaon Union	300	Short Term	Low	Need to take initiative from TSC

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
DK-RD-155	Repair	Dakshin Khurma Union	ch-0-5000m and ch-5000m-9000m and 9000m-11730m	690233015	Jalalpur(RHD)-Hasnabad Bazar(RHD) Road via Khairgaon.	Pipeline	3.73km Road repair Proposed by LGED	Ward of Dakshin Khurma	373	Short Term	Medium	Need to take initiative from TSC
KALA-RD-157	Repair	Kalaruka Union	8660m (ch-0-8660m)	690234001	RHD Road-Goripur Via Shimultala	Pipeline	8.66km Road repair Proposed by LGED	All Ward's of Kalaruka Union	866	Short Term	High	Need to take initiative from TSC
KALA-RD-158	Repair	Kalaruka Union	2900m (ch-0-2900)	690234002	Rjapur-Goar Haor Rd.	Pipeline	2.90km Road repair Proposed by LGED	All Ward's of Kalaruka Union	290	Short Term	Low	Need to take initiative from TSC
UKHU-RD-160	Repair	Uttar Khurma Union	3100m (ch-0-3100)	690234005	Charballabpur-Gabur Gaon	Pipeline	3.10km Road repair Proposed by LGED	All ward's of Uttar Khurma Union	310	Short Term	Low	Need to take initiative from TSC
KALA-RD-161	Repair	Kalaruka Union	2000m (ch-0-2000m)	690234013	RHD-Roy Sontospur Road	Pipeline	2.00km Road repair Proposed by LGED	All Ward's of Kalaruka Union	200	Short Term	Low	Need to take initiative from TSC
CHATS-RD-162	Repair	Chhatak Union	2000m (ch-0-2000m)	690234017	Shampara-Kalaruka	Pipeline	2.00km Road repair Proposed by LGED	Ward of Chhatak Union	200	Short Term	High	Need to take initiative from TSC
SAID-RD-165	Repair	Syedergaon Union	1200m (ch-0-1200m)	690234033	RHD-Alampur Road Via Molla Ata Village	Pipeline	1.20km Road repair Proposed by LGED	All ward's of Syedergaon Union	120	Short Term	High	Need to take initiative from TSC
DULA-RD-166	Repair	Dular Bazar Union	5700m (ch-0-5700m)	690234062	Dular Bazar(Sorishpur)-Alampur Bazar Road via Soila School.	Pipeline	5.70km Road repair Proposed by LGED	All Ward of Dular Bazar Union	570	Short Term	High	Need to take initiative from TSC
SAID-RD-170	Repair	Syedergaon Union	3000m (ch-0-3000m)	690233010	Gobindogonj GCM-Soila UP via Dasghore	Pipeline	3.00km Road repair Proposed by LGED	All ward's of Syedergaon Union	300	Short Term	High	Need to take initiative from TSC

Projects by DDM

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
BHAT-RD-14	Repair	Bhatgaon Union	1043	-	From Anujani/Singerkach graveyard via crossing of anujani road to Haji Chondon Mia's house point	New	1.04km Road Proposed by Community people	Ward 09 of Bhatgaon Unionn	104	Mid Term	High	Detailed Design Required
BHAT-RD-15	Repair	Bhatgaon Union	601	-	From rukontajuttur par Askor Ali's house to the bank of Dholishiri haor	New	0.60km Road Proposed by Community people	Ward 09 of Bhatgaon Unionn	42	Mid Term	High	Detailed Design Required
BHAT-RD-16	Repair	Bhatgaon Union	2243	-	From karimpur/Chelarchor Jamia mosque to Rukontajuttur para connecting road	New	2.24km Road Proposed by Community people	Ward 09 of Bhatgaon Unionn	157	Mid Term	High	Detailed Design Required
CHAR-RD-17	New Construction	Chormohalla Union	1246	-	Koredichor point to Nurerchor point	New	1.25km Road Proposed by Community people	Ward 01 of Chormohalla Union	125	Mid Term	High	Detailed Design Required
CHAR-RD-22	New Construction	Chormohalla Union	490	690234003	Road : Bollobpur to Chormohalla RD	Continuing	0.49km Road Repair & Renovation (Proposed From Community People)	Ward 03 of Chormohalla Union	49	Short Term	Medium	Need Monitoring the effect from UzSC and TSC
CHAR-RD-24	New Construction	Chormohalla Union	1567	-	Chorbaruka Old Road to Liakoth Ali's house	New	1.57km Proposed by Community people	Ward 04 of Chormohalla Union	110	Mid Term	High	Detailed Design Required
CHAR-RD-25	New Construction	Chormohalla Union	1229	-	Siddarchor new mosque to Juliar haor	New	1.23km Road Proposed by Community people	Ward 04 of Chormohalla Union	184	Mid Term	High	Detailed Design Required
CHAR-RD-28	Repair	Chormohalla Union	698	690234084	Shakhaiti bazar to sreepur bazar	Continuing	0.70km Road Repair & Renovation (Proposed From Community People)	Ward 07 of Chormohalla Union	105	Short Term	Medium	Need Monitoring the effect from UzSC and TSC
CHAR-RD-29	New Construction	Chormohalla Union	774	690234105	Road : Chorchoraimadrasha to somuya RD.	Continuing	0.77km Road Repair & Renovation (Proposed From Community	Ward 07 of Chormohalla Union	54	Short Term	High	Need Monitoring the effect from UzSC and TSC

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
							People)					
CHAR-RD-31	New Construction	Chormohalla Union	287	-	East side of nakar mosque to nakar haor	New	0.29km Road Proposed by Community people	Ward 06 of Chormohalla Union	20	Mid Term	High	Detailed Design Required
CHAR-RD-32	New Construction	Chormohalla Union	1525	-	Chanua village Arjak Ali house to Abdullachor Mosque.	New	1.52km Road Proposed by Community people	Ward 07 of Chormohalla Union	152	Mid Term	Medium	Detailed Design Required
CHAR-RD-33	New Construction	Chormohalla Union	353	-	From borokejaura Primary school to katakhali village Ali's house.	New	0.35km Road Proposed by Community people	Ward 01 of Chormohalla Union	53	Mid Term	High	Detailed Design Required
CHAR-RD-34	New Construction	Chormohalla Union	281	-	From Chormadhob Shahad ullah house to Chormadhob Siraj's house	New	0.28km Road Proposed by Community people	Ward 01 of Chormohalla Union	28	Mid Term	Medium	Detailed Design Required
JAWA-RD-35	Repair	Jauwa Bazar Union	2178	-	North side of Debergoan river via kandirpar to Mugolgoan Akol Ali's house	New	2.18km Road Proposed by Community people	Ward 06 of Jauwa Bazar Union	218	Mid Term	High	Detailed Design Required
JAWA-RD-37	Repair	Jauwa Bazar Union	1015	-	From Debergoan Thoibur Ali's house to tarchuka Chand Ali's house	New	1.01k Road Proposed by Community people	Ward 06 of Jauwa Bazar Union	71	Mid Term	Low	Detailed Design Required
JAWA-RD-39	Repair	Jauwa Bazar Union	415	-	Khidrakaponjamia mosque top habidpur point	New	0.42km Road Proposed by Community people	Ward 08 of Jauwa Bazar Union	62	Mid Term	Medium	Detailed Design Required
JAWA-RD-40	Repair	Jauwa Bazar Union	987	-	End of Kharai village Surobi Ali's house to kharai point highway road.	New	0.99km Road Proposed by Community people	Ward 10 of Jauwa Bazar Union	148	Mid Term	Medium	Detailed Design Required
JAWA-RD-41	Repair	Jauwa Bazar Union	220	-	Khidrakapon Jamia mosque to Jawa main road	New	0.22km Road Proposed by Community people	Ward 08 of Jauwa Bazar Union	33	Mid Term	Medium	Detailed Design Required
JAWA-RD-42	Repair	Jauwa Bazar Union	692	-	Korai highway road to Alam Auto rice mill	New	0.69km Road Proposed by Community people	Ward 05 of Jauwa Bazar Union	104	Mid Term	Medium	Detailed Design Required
JAWA-RD-43	Repair	Jauwa Bazar Union	1004	-	Dokshinborokapon Aftab Mia's house to Kuribill	New	1.00km Road Proposed by Community people	Ward 03 of Jauwa Bazar Union	70	Mid Term	High	Detailed Design Required
JAWA-RD-44	New Construction	Jauwa Bazar Union	962	-	Terapurrahmoth Ali's house to gowargoan- SurigoanSomuj Ali's house	New	0.96km Road Proposed by Community people	Ward 01 of Jauwa Bazar Union	144	Mid Term	High	Detailed Design Required
JAWA-RD-45	Repair	Jauwa Bazar Union	951	-	Banayot central jamia mosque to Dekar haor	New	0.95km Road Proposed by Community people	Ward 02 of Jauwa Bazar Union	67	Mid Term	High	Detailed Design Required
JAWA-RD-47	New Construction	Jauwa Bazar Union	1506	-	From Vadeshwary Monir mia's house to 1 no. ward Mugolgoan village.	New	1.51km Road Proposed by Community people	Ward 06 of Jauwa Bazar Union	226	Mid Term	High	Detailed Design Required
JAWA-RD-48	Repair	Jauwa Bazar Union	332	-	Agijal highway road to KoitokRoshomoy Das house	New	0.33km Road Repair & Renovation (Proposed From Community People)	Ward 09 of Jauwa Bazar Union	33	Mid Term	Medium	Detailed Design Required
JAWA-RD-49	New Construction	Jauwa Bazar Union	559	-	Bukanodi bridge to soudergoan road.	New	0.56km Road Proposed by Community people	Ward 09 of Jauwa Bazar Union	84	Mid Term	Medium	Detailed Design Required
JAWA-RD-50	New Construction	Jauwa Bazar Union	1025	-	From Vadeshwary village bridge to gowar haor kuribil village	New	1.03km Road Proposed by Community people	Ward 02 of Jauwa Bazar Union	154	Mid Term	High	Detailed Design Required
ISLAM-RD-79	New Construction	Islampur Union	722	-	From Islampur Up via Bahadurpur women Madrasa to Goneshpur old Mosque	New	0.72km Road Proposed by Community people	Ward 07 of Islampur Union	108	Mid Term	High	Detailed Design Required
ISLAM-RD-81	Repair	Islampur Union	2880	-	From bongaon paved road via bongaonjamiaislamiadamdrsha to gangarnowakutkhewa ghat	New	2.88km Road Proposed by Community people	Ward 09 of Islampur Union	432	Mid Term	High	Detailed Design Required
ISLAM-RD-83	New Construction	Islampur Union	4872	-	Nainder Haor: Polder 1 Chainage 24+000 to 24+600	New	4.87km Road Proposed by Community people	Ward 01 of Islampur Union	731	Mid Term	High	Detailed Design Required
ISLAM-RD-84	New	Islampur	435	-	Infront of MollaparJame	New	0.44 Km Road	Ward 01 of Islampur	75	Mid Term	Medium	Detailed Design

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	Construction	Union			Mosque		Proposed by Community People	Union				Required
ISLAM-RD-85	Repair	Islampur Union	1976	-	Near Uttorhadajamia mosque to Binondanogor main point	New	1.98km Road Proposed by Community people	Ward 09 of Islampur Union	296	Mid Term	High	Detailed Design Required
ISLAM-RD-86	New Construction	Islampur Union	510	-	Birendronogor main point to Gilachoranorosingpur Nurul islam's house	New	0.51km Road Proposed by Community people	Ward 09 of Islampur Union	76	Mid Term	High	Detailed Design Required
ISLAM-RD-88	New Construction	Islampur Union	2509	-	From kalai Mia's house of Lama Soidabad to notun bazar point of RahmotrhpurThohur Ali's house	New	2.51km Road Proposed by Community people	Ward 01 of Islampur Union	376	Mid Term	Medium	Detailed Design Required
ISLAM-RD-89	New Construction	Islampur Union	753	Nainder Haor	Polder 1/ Chainage 24+000 to 24+600	New	0.75km Road Proposed by Community people	Ward 08 of Islampur Union	113	Mid Term	Medium	Detailed Design Required
ISLAM-RD-90	New Construction	Islampur Union	487	Nainder Haor	Polder 1/ Chainage 24+600	New	0.49km Road Proposed by Community people	Ward 08 of Islampur Union	73	Mid Term	Medium	Detailed Design Required
ISLAM-RD-91	New Construction	Islampur Union	497	-	From Goneshpur haji Iskandorali house to Goneshpurkhwaghat	New	0.50km Road Proposed by Community people	Ward 05 of Islampur Union	74	Mid Term	High	Detailed Design Required
NOA-RD-109	New Construction	Noarai Union	661	-	Arob Ali's house to the house of Billal in moula village	New	0.66km Road Repair & Renovation (Proposed From Community People)	Ward 02 of Noarai Union	66	Mid Term	High	Detailed Design Required
NOA-RD-110	New Construction	Noarai Union	3044	-	Saddam membr's shop to Ramjan Alis House of Khurma Village	New	3.04km Road Proposed by Community people	Ward 01 of Noarai Union	304	Mid Term	High	Detailed Design Required
NOA-RD-113	New Construction	Noarai Union	814	-	From Singer Kach village via Siddique Ali's house of Khurma to Mosque	New	0.81km Road Proposed by Community people	Ward 01 of Noarai Union	81	Mid Term	Medium	Detailed Design Required
NOA-RD-114	New Construction	Noarai Union	503	-	From Mulla para paved road to Forid's house	New	0.50km Road Proposed by Community people	Ward 02 of Noarai Union	50	Mid Term	Medium	Detailed Design Required
NOA-RD-115	New Construction	Noarai Union	749	-	From Islampur Didar's house to koidalsadhur's house	New	0.75km Road Proposed by Community people	Ward 02 of Noarai Union	112	Mid Term	High	Detailed Design Required
NOA-RD-116	New Construction	Noarai Union	426	-	Jurapani Noor mia's house to mosobbir's house	Continuing	0.43km Road Repair & Renovation (Proposed From Community People)	Ward 02 of Noarai Union	43	Short Term	High	Need Monitoring the effect from UzSC and TSC
NOA-RD-118	New Construction	Noarai Union	1048	-	Frm Joynogor Rohu ali bridge to govt. primary School.	New	1.05km Road Proposed by Community people	Ward 03 of Noarai Union	157	Mid Term	High	Detailed Design Required
NOA-RD-119	New Construction	Noarai Union	338	-	From Paschim para Mosque under Shah Arpinnagar village to Khalik Mia's house	New	0.34km Road Proposed by Community people	Ward 03 of Noarai Union	24	Mid Term	High	Detailed Design Required
NOA-RD-120	New Construction	Noarai Union	422	-	From Alai Mia's shop of Shah Arpinnagar village to North Tilla	New	0.42km Road Proposed by Community people	Ward 03 of Noarai Union	30	Mid Term	High	Detailed Design Required
NOA-RD-121	New Construction	Noarai Union	347	-	From Abdun Noor's house under Ahah Arpinnagar village to East para	New	0.35km Road Proposed by Community people	Ward 03 of Noarai Union	24	Mid Term	High	Detailed Design Required
NOA-RD-122	New Construction	Noarai Union	566	-	From Kuria Mahismara to Shah Arpinnagar village	New	0.57km Road Proposed by Community people	Ward 03 of Noarai Union	40	Mid Term	High	Detailed Design Required
NOA-RD-123	New Construction	Noarai Union	569	-	From bashillajamia mosque to thuwabali's house.	New	0.57km Road Proposed by Community people	Ward 03 of Noarai Union	40	Mid Term	High	Detailed Design Required
NOA-RD-124	New Construction	Noarai Union	2187	-	From late Apta Shah's house under Charvara village to Shib Khal under Barkahan village	New	2.19km Road Proposed by Community people	Ward 04 of Noarai Union	328	Mid Term	Medium	Detailed Design Required
NOA-RD-128	New Construction	Noarai Union	588	-	From Chatak-Dowarabazar road via Jamal Master's house	New	0.59km Road Proposed by	Ward 06 of Noarai Union	41	Mid Term	High	Detailed Design Required

Attachment1- 24

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					to Nainda Haor road		Community people					
NOA-RD-129	New Construction	Noarai Union	373	-	From Chatak-Dowarabazar C&B road via Laxmibaur Amir Ali's house to Rifat's house road	New	0.37km Road Proposed by Community people	Ward 06 of Noarai Union	26	Mid Term	High	Detailed Design Required
NOA-RD-131	New Construction	Noarai Union	1173	-	From Achadnagar village to Chanpur Bazar road	New	1.17km Road Proposed by Community people	Ward 07 of Noarai Union	82	Mid Term	Medium	Detailed Design Required
NOA-RD-132	New Construction	Noarai Union	1560	-	From Chatak-Dowarabazar C&B road to Burairgaon via Mirjapur village to Betura Graveyard road	New	1.56km Road Proposed by Community people	Ward 07 of Noarai Union	234	Mid Term	Medium	Detailed Design Required
NOA-RD-133	New Construction	Noarai Union	684	-	East side of Achadnagar village towards Nandail Haor road	New	0.68km Road Proposed by Community people	Ward 07 of Noarai Union	48	Mid Term	High	Detailed Design Required
NOA-RD-135	New Construction	Noarai Union	2754	-	Choumohoni bazar to bank of Bishnai River	New	2.75km Road Proposed by Community people	Ward 09 of Noarai Union	413	Mid Term	High	Detailed Design Required
NOA-RD-136	New Construction	Noarai Union	870	-	From the south side of kachudair village main road via middle of the village.	New	0.87km Road Proposed by Community people	Ward 09 of Noarai Union	130	Mid Term	High	Detailed Design Required
NOA-RD-137	New Construction	Noarai Union	1813	-	From Manikpur main road towards Chanpur	New	1.81km Road Proposed by Community people	Ward 09 of Noarai Union	272	Mid Term	High	Detailed Design Required
NOA-RD-138	New Construction	Noarai Union	1724	-	Besides the bank of kaliury river under rongpur village via rongpur to chanpur.	New	1.72km Road Proposed by Community people	Ward 09 of Noarai Union	259	Mid Term	High	Detailed Design Required
NOA-RD-139	New Construction	Noarai Union	2658	-	From Choumohoni bazar towards kotalpur point to borogolla point	New	2.66km Road Proposed by Community people	Ward 09 of Noarai Union	399	Mid Term	High	Detailed Design Required
NOA-RD-140	New Construction	Noarai Union	1316	-	From bashrilla to rouly village	New	1.32km Road Proposed by Community people	Ward 03 of Noarai Union	197	Mid Term	High	Detailed Design Required
NOA-RD-125	New Construction	Noarai Union	909.m	-	Polder 1/ Chainage 30+900 (Naluar Haor)	New	0.91km Road Proposed by Community people	Ward 04 of Noarai Union	136	Mid Term	High	Detailed Design Required
NOA-RD-126	New Construction	Noarai Union	551m	-	Polder 1/ Chainage 28+000 to 28+500 (Nainder Haor)	New	0.55km Road Proposed by Community people	Ward 05 of Noarai Union	55	Mid Term	High	Detailed Design Required
DULA-RD-04	New Construction	Dular Bazar Union	415	-	From the mouth of Johir haor (Raouly Village) to Akbor ali's house	New	0.41km Road Proposed by Community people	Ward 02 of Dular Bazar Union	29	Mid Term	Medium	Detailed Design Required
DULA-RD-06	Repair	Dular Bazar Union	615	-	From LGED road via Palpur School & collage to Joti Nowagoan	New	0.62km Road Proposed by Community people	Ward 08 of Dular Bazar Union	43	Mid Term	High	Detailed Design Required
DULA-RD-07	Repair	Dular Bazar Union	853	-	From Rampur Govt. primary School to Rampur River	New	0.85km Road Proposed by Community people	Ward 09 of Dular Bazar Union	128	Mid Term	Medium	Detailed Design Required
DULA-RD-08	Repair	Dular Bazar Union	1513	-	From Gobindopuraklusali freedom fighter house to the mouth of the river.	New	1.51km Road Proposed by Community people	Ward 06 of Dular Bazar Union	106	Mid Term	Low	Detailed Design Required
CHATS-RD-52	Repair	Chhatak Union	923	-	Dyke/Chainage 36+000 to 37+000 (Dekar Haor)	New	0.92km Road Proposed by Community people	Ward 07 of Chhatak Union	65	Mid Term	High	Detailed Design Required
CHATS-RD-53	Repair	Chhatak Union	1265	-	Dyke/Chainage 36+950 to 37+100 (Dekar Haor)	New	1.26km Road Proposed by Community people	Ward 08 of Chhatak Union	89	Mid Term	High	Detailed Design Required
CHATS-RD-55	Repair	Chhatak Union	300	-	Bousha primary school to Abdul Ali's house	New	0.30km Road Proposed by Community people	Ward 08 of Chhatak Union	30	Mid Term	High	Detailed Design Required
CHATS-RD-56	Repair	Chhatak Union	1256	-	Keshobpur to Borobill haor	New	1.26km Road Proposed by Community people	Ward 09 of Chhatak Union	188	Mid Term	High	Detailed Design Required
CHATS-RD-57	Repair	Chhatak	485	-	Borobari Village to Abdul	New	0.48km Road Repair &	Ward 09 of Chhatak	73	Mid Term	High	Detailed Design

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		Union			khalik house		Renovation (Proposed From Community People)	Union				Required
CHATS-RD-58	Repair	Chhatak Union	225	-	From Andhairgoan land Office to Nurul Amin house	New	0.23km Road Repair & Renovation (Proposed From Community People)	Ward 03 of Chhatak Union	34	Mid Term	High	Detailed Design Required
CHATS-RD-59	Repair	Chhatak Union	338	-	Andhairgoan land Office to Shamsul huk's House	New	0.34km Road Proposed by Community people	Ward 03 of Chhatak Union	51	Mid Term	High	Detailed Design Required
CHATS-RD-60	Repair	Chhatak Union	1531	-	Andhargoanmongal house to primary school via land Office	New	1.53km Road Proposed by Community people	Ward 03 of Chhatak Union	230	Mid Term	Medium	Detailed Design Required
CHATS-RD-61	New Construction	Chhatak Union	151	-	Karigoan Jogindra das house to main road	New	0.15km Road Proposed by Community people	Ward 03 of Chhatak Union	23	Mid Term	High	Detailed Design Required
CHATS-RD-62	New Construction	Chhatak Union	209	-	From the front of Bachchu das house of Chairchira to Chairchira point near mosque.	New	0.21km Road Proposed by Community people	Ward 07 of Chhatak Union	21	Mid Term	Medium	Detailed Design Required
CHATS-RD-63	Repair	Chhatak Union	696	-	From Almas Ali's house Madhukoni to Aki Factory (Shyampara)	New	0.70km Road Proposed by Community people	Ward 06 of Chhatak Union	70	Mid Term	Medium	Detailed Design Required
CHATS-RD-66	Repair	Chhatak Union	241	-	From MollikpurNayaparaHochonAli, s house to high school	Continuing	0.24km Road Repair & Renovation (Proposed From Community People)	Ward 02 of Chhatak Union	36	Short Term	High	Need Monitoring the effect from UzSC and TSC
CHATS-RD-67	Repair	Chhatak Union	263	-	From MollikpurAzijurRahman,s house to Mollikpur SESDP Model High school road	New	0.26km Road Proposed by Community people	Ward 02 of Chhatak Sadar Union	39	Mid Term	Low	Detailed Design Required
CHATS-RD-68	Repair	Chhatak Union	1331	-	From Brahammangaon Chando Ali's house to Chatak-Ambari connecting road	New	1.33km Road Proposed by Community people	Ward 01 of Chhatak Union	133	Mid Term	High	Detailed Design Required
CHATS-RD-69	Repair	Chhatak Union	424	-	From BrahammangaonAzidMias house to Chatak-Ambari connecting road	New	0.42km Road Proposed by Community people	Ward 01 of Chhatak Union	64	Mid Term	High	Detailed Design Required
CHATS-RD-70	Repair	Chhatak Union	973	-	"From Roich member's house of Manoshigaon village via Teeral to the mouth of Kakura canal"	New	0.97km Road Proposed by Community people	Ward 06 of Chhatak Union	146	Mid Term	Medium	Detailed Design Required
SING-RD-71	New Construction	Sing Chapair Union	705	-	From Sathgoan Chad mia's house to Sathgoan graveyard	New	0.71km Road Proposed by Community people	Ward 06 of Sing Chapair Union	71	Mid Term	High	Detailed Design Required
UKHU-RD-73	Repair	Uttar Khurma Union	1275	-	Boitakhali Bridge to Rosulpur Primary school.	New	1.27km Road Proposed by Community people	Ward 06 of Uttar Khurma Union	127	Mid Term	High	Detailed Design Required
UKHU-RD-75	Repair	Uttar Khurma Union	362	-	Boro biyai LGED road to culvert	New	0.36km Road Proposed by Community people	Ward 07 of Uttar Khurma Union	25	Mid Term	High	Detailed Design Required
UKHU-RD-76	Repair	Uttar Khurma Union	526	-	From Jomirkhali mosque to katakhali	New	0.53km Road Proposed by Community people	Ward 08 of Uttar Khurma Union	53	Mid Term	High	Detailed Design Required
UKHU-RD-77	New Construction	Uttar Khurma Union	2250	-	From the east side of NanosreeBillichora mosque to Kanchonpur bridge.	New	2.25km Road Proposed by Community people	Ward 02 of Uttar Khurma Union	225	Mid Term	Medium	Detailed Design Required
DK-RD-92	Repair	Dakshin Khurma Union	855	-	From Aziz Mia's house in Krittishasan village to the side of Maulana Takir Uddin's land.	New	0.86km Road Proposed by Community people	Ward 03 of Dakshin Khurma Union	60	Mid Term	Medium	Detailed Design Required
DK-RD-93	Repair	Dakshin Khurma Union	339	-	Dimka Eidga to Mufti Mamud Alis' house RCC Road	New	0.34km Road Proposed by Community people	Ward 03 of Dakshin Khurma Union	24	Mid Term	High	Detailed Design Required
DK-RD-95	New Construction	Dakshin Khurma Union	1593	-	From the bridge of Dalar Bazar Ali Store to the front of Senpur Azizur Rahman's house	New	1.59km Road Proposed by Community people	Ward 02 of Dakshin Khurma Union	112	Mid Term	Medium	Detailed Design Required

ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
DK-RD-96	Repair	Dakshin Khurma Union	2533	690234110	Road : Rouly -Monirgati-NawgaonPrimari School	Continuing	2.53km Road Repair & Renovation (Proposed From Community People)	Ward 03 of Dakshin Khurma Union	380	Short Term	Medium	Need Monitoring the effect from UzSC and TSC
DK-RD-97	Repair	Dakshin Khurma Union	1923	-	From Manipur Masjid to KambayanIslampurMonirghati High School	New	1.95km Road Proposed by Community people	Ward 04 of Dakshin Khurma Union	288	Mid Term	High	Detailed Design Required
DK-RD-98	Repair	Dakshin Khurma Union	805	-	From Sikandarpur Rice Mill to Firpur Bazar	New	0.80km Road Proposed by Community people	Ward 04 of Dakshin Khurma Union	121	Mid Term	Medium	Detailed Design Required
DK-RD-99	Repair	Dakshin Khurma Union	1706	690234103	Road : Khurma to Kashipur Road	Continuing	1.71km Road Repair & Renovation (Proposed From Community People)	Ward 01 of Dakshin Khurma Union	256	Short Term	Medium	Need Monitoring the effect from UzSC and TSC
DK-RD-100	New Construction	Dakshin Khurma Union	913	-	From ChowkaJamruddin's house to Tortorgaon Manto Babu's house	New	0.91km Road Proposed by Community people	Ward 08 of Dakshin Khurma Union	91	Mid Term	Medium	Detailed Design Required
DK-RD-101	Repair	Dakshin Khurma Union	1218	-	From in front of Bahar Uddin's house in Chechan village to CNB road	New	1.22km Road Proposed by Community people	Ward 03 of Dakshin Khurma Union	122	Mid Term	High	Detailed Design Required
DK-RD-103	New Construction	Dakshin Khurma Union	572	-	From Bhuygaon Thanda mia's house to Fulbari bridge.	New	0.57km Road Repair & Renovation (Proposed From Community People)	Ward 05 of Dakshin Khurma Union	40	Mid Term	High	Detailed Design Required
DK-RD-104	New Construction	Dakshin Khurma Union	468	-	From Jatuwa CNB road to Therab Ali's house.	New	0.47km Road Repair & Renovation (Proposed From Community People)	Ward 06 of Dakshin Khurma Union	33	Mid Term	High	Detailed Design Required
DK-RD-105	New Construction	Dakshin Khurma Union	644	-	From Bhuyigaon Monir Uddin's house to Sikandarpur Nishan Ali's House.	New	0.64km Road Repair & Renovation (Proposed From Community People)	Ward 05 of Dakshin Khurma Union	45	Mid Term	High	Detailed Design Required
DK-RD-106	New Construction	Dakshin Khurma Union	897	-	From the back side of monirgataliyub Ali's house to MonirgatiFoysalali's house.	New	0.90km Road Repair & Renovation (Proposed From Community People)	Ward 03 of Dakshin Khurma Union	63	Mid Term	Medium	Detailed Design Required
SAID-RD-107	New Construction	Syedergaon Union	411	-	From Gous Mia's house of Kotalpur village to kotalpurpurbopara road.	New	0.41km Road Repair & Renovation (Proposed From Community People)	Ward 01 of Syedergaon Union	41	Mid Term	Medium	Detailed Design Required
SAID-RD-108	Repair	Syedergaon Union	1795	-	From Chatak road via khidirpur to Asampur	New	1.80km Road Proposed by Community people	Ward 09 of Syedergaon Union	180	Mid Term	Medium	Detailed Design Required

c) Bridges

Projects by Chhatak Paurashava

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
CHATP-BRI-69	New Construction	ChhatakPaurashava	Chh/04/Br-01	Bridge/End of Bashkola village	New	15.24 m bridge reconstruction Proposed by Community people	Ward 04 of ChhatakPaurashava	1,250	Mid Term	Medium	Detailed Design Required
CHATP-BRI-70	New Construction	ChhatakPaurashava	Chh/09/Br-02	Bridge/Beside tatikuna Mosque	New	30.48 m bridge reconstruction Proposed by Community people	Ward 09 of ChhatakPaurashava	750	Mid Term	Medium	Detailed Design Required

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CHATP-BRI-71	New Construction	ChhatakPaurashava	Chh/07/Rr-04	Bridge/Near Mondolivuglal mosque	New	7.62 m bridge reconstruction Proposed by Community people	Ward 07 of ChhatakPaurashava	48	Mid Term	high	Detailed Design Required
CHATP-BRI-72	New Construction	ChhatakPaurashava	Chh/08/Br-05	Bridge/Near Choror bond Monu Mia's house	New	6.10 m bridge reconstruction Proposed by Community people	Ward 08 of ChhatakPaurashava	38	Mid Term	Medium	Detailed Design Required
CHATP-BRI-73	New Construction	ChhatakPaurashava	Chh/07/Br-03	Bridge/Near Chatak bazar Akhramondir	New	6.10 m bridge reconstruction Proposed by Community people	Ward 07 of ChhatakPaurashava	38	Mid Term	High	Detailed Design Required

Projects by LGED

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
CHAR-BRI-13	New Construction	Chormohalla Union	690234116	Kamrang-Ahargoan Village Road Connecting Bridge	New	27.43 m bridge Proposed by Community people	Ward 08 of Chormohalla Union	274	Mid Term	High	Detailed Design Required
CHAR-BRI-14	New Construction	Chormohalla Union	690234046	Ulagonj Bazar-Jawa-Chhatak Road via HatdolaniConnecting Bridge	New	60.96 m bridge Proposed by Community people	Ward 01 of Chormohalla Union	610	Mid Term	High	Detailed Design Required
ISLAM-BRI-24	New Construction	Islampur Union	690234111	Islampur Bazar -Norsingpur Road Bridge	New	60.96 m bridge Proposed by Community people	Ward 01 of Islampur Union	610	Mid Term	High	Detailed Design Required
ISLAM-BRI-27	New Construction	Islampur Union	690234007	GonespurFerryghat - Islampur Jamuna Road Bridge	New	45.72 m bridge Proposed by Community people	Ward 04 of Islampur Union	457	Mid Term	High	Detailed Design Required
ISLAM-BRI-34	New Construction	Islampur Union	690234007	GonespurFerryghat - Islampur Jamuna Road Bridge	New	60.96 m bridge Proposed by Community people	Ward 07 of Islampur Union	610	Mid Term	High	Detailed Design Required
ISLAM-BRI-44	New Construction	Islampur Union	690234089	Hada - Kunimara Road Bridge	New	15.24 m bridge Proposed by Community people	Ward 09 of Islampur Union	53	Mid Term	High	Detailed Design Required
ISLAM-BRI-46	New Construction	Islampur Union	690233006	GonespurFerryghat - Islampur Madrasa via UP Office Road Bridge	New	152.40 m bridge Proposed by Community people	Ward 07 of Islampur Union	1,524	Mid Term	High	Detailed Design Required
ISLAM-BRI-47	New Construction	Islampur Union	690234107	Gonespur Pny. School - Guwalgoan village Road Bridge	New	91.44 m bridge Proposed by Community people	Ward 06 of Islampur Union	914	Mid Term	High	Detailed Design Required
ISLAM_BRI-74	New Construction	Islampur Union	690233008	Aliganj Bridge	New	90 Meter Bridge proposed by LGED	Ward 6 of Islampur Union	450	Mid Term	High	Detailed Design Required
NOA-BRI-64	New Construction	Noarai Union	690234018	Baliura Bazar-Asadnagor (RHD) Road via Chowmuhoni Bazar Connecting Bridge	New	27.43 m bridge Proposed by Community people	Ward 07 of Noarai Union	96	Mid Term	High	Detailed Design Required
NOA-BRI-65	New Construction	Noarai Union	609234018	Baliura Bazar-Asadnagor (RHD) Road via Chowmuhoni Bazar Connecting Bridge	New	36.58 m bridge Proposed by Community people	Ward 07 of Noarai Union	128	Mid Term	High	Detailed Design Required
NOA-BRI-66	New Construction	Noarai Union	609234022	Moula(UZR)- Chowmuhoni Bazar Road via RajargoonConnecting Bridge	New	15.24 m bridge Proposed by Community people	Ward 08 of Noarai Union	152	Mid Term	High	Detailed Design Required
NOA-BRI-67	New Construction	Noarai Union	690235207	Bondergaon and singerkach village. Connecting Bridge	New	26.21 m bridge Proposed by Community people	Ward 02 of Noarai Union	262	Mid Term	High	Detailed Design Required
DULA-BRI-03	Reconstruction	Dular Bazar	690234068	Sirajgonj GC -	Continuing	12.19 m bridge	Ward 03 of Dular	43	Short Term	High	Need

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		Union		Mohammadgonj bazar to uttorkhurshi connecting bridge.		Proposed by Community people	Bazar Union				Monitoring the effect from UzSC and TSC
DULA-BRI-06	Repair	Dular Bazar Union	690232010	Gobindogonj GCM -Rasulgongj GCM via BuraiaConnecting Road Bridge	Continuing	7.62 m bridge reconstruction Proposed by Community people	Ward 06 of Dular Bazar Union	27	Short Term	Medium	Need Monitoring the effect from UzSC and TSC

Projects by DDM

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
BHAT-BRI-12	New Construction	Bhatgaon Union	-	West side of BoratukaJoynal Mia's House	New	10.67 m bridge Proposed by Community people	Ward 08 of Bhatgaon Union	37	Mid Term	High	Detailed Design Required
JWA-BRI-15	New Construction	Jauwa Bazar Union	-	In front of Jafor Ali's house in Vaddeshwari village	New	45.72 m bridge Proposed by Community people	Ward 02 of Jauwa Bazar Union	457	Mid Term	High	Detailed Design Required
ISLAM-BRI-23	New Construction	Islampur Union	-	South side of Joban Ali's house of Montajnogor	New	18.29 m bridge Proposed by Community people	Ward 01 of Islampur Union	183	Mid Term	High	Detailed Design Required
ISLAM-BRI-25	New Construction	Islampur Union	-	Infront of Boishakandibahadurpur mosque	New	16.76 m bridge Proposed by Community people	Ward 01 of Islampur Union	168	Mid Term	High	Detailed Design Required
ISLAM-BRI-26	New Construction	Islampur Union	-	Infrnt of Khukonmia's house in Boishakandi.	New	4.57 m bridge Proposed by Community people	Ward 01 of Islampur Union	16	Mid Term	High	Detailed Design Required
ISLAM-BRI-28	New Construction	Islampur Union	-	Over the canal between Abdulla and mahabmia's house to Jointapur village	New	21.34 m bridge Proposed by Community people	Ward 05 of Islampur Union	213	Mid Term	High	Detailed Design Required
ISLAM-BRI-29	New Construction	Islampur Union	-	Patharipur to khadimnogor over the chela river	New	137.16 m bridge Proposed by Community people	Ward 08 of Islampur Union	1,372	Mid Term	High	Detailed Design Required
ISLAM-BRI-30	New Construction	Islampur Union	-	Infront of Islampurfirojoli's house	New	137.16 m bridge Proposed by Community people	Ward 06 of Islampur Union	1,372	Mid Term	High	Detailed Design Required
ISLAM-BRI-31	New Construction	Islampur Union	-	From South side of Goneshpur old jamia mosque to Chorapur	New	45.72 m bridge Proposed by Community people	Ward 07 of Islampur Union	457	Mid Term	High	Detailed Design Required
ISLAM-BRI-32	Reconstruction	Islampur Union	-	Between Bahadurpur and nowagaon connecting bridge	New	30.48 m bridge Proposed by Community people	Ward 04 of Islampur Union	305	Mid Term	High	Detailed Design Required
ISLAM-BRI-33	New Construction	Islampur Union	-	DokkinGoneshpurNotunpara to Over the Chela river to Rajgoan	New	91.44 m bridge Proposed by Community people	Ward 07 of Islampur Union	914	Mid Term	High	Detailed Design Required
ISLAM-BRI-35	New Construction	Islampur Union	-	Infront of Dorgakhali Abul Mia's house over the Ichamothi Lohar sing River	New	18.29 m bridge Proposed by Community people	Ward 02 of Islampur Union	183	Mid Term	High	Detailed Design Required
ISLAM-BRI-36	New Construction	Islampur Union	-	Infront of Abdul khalik's house in bongaoon to nowakut road.	New	9.14 m bridge Proposed by Community people	Ward 02 of Islampur Union	32	Mid Term	High	Detailed Design Required
ISLAM-BRI-37	New Construction	Islampur Union	-	Over the kanaikhal of old nowakut to gangpar	New	9.14 m bridge Proposed by Community people	Ward 03 of Islampur Union	32	Mid Term	High	Detailed Design Required
ISLAM-BRI-38	New Construction	Islampur Union	-	Before Dhonitilla Eidgah	New	9.75 m bridge Proposed by Community people	Ward 02 of Islampur Union	34	Mid Term	High	Detailed Design Required
ISLAM-BRI-39	New Construction	Islampur Union	-	Before Boishakandi Jamia mosque	New	9.14 m bridge Proposed by Community people	Ward 03 of Islampur Union	32	Mid Term	High	Detailed Design Required

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ISLAM-BRI-40	New Construction	Islampur Union	-	In western side of Monir mia's house of Rahmothpur	New	9.14 m bridge Proposed by Community people	Ward 01 of Islampur Union	32	Mid Term	High	Detailed Design Required
ISLAM-BRI-41	New Construction	Islampur Union	-	Western side of SoidabadMojor Ali's house	New	10.67 m bridge Proposed by Community people	Ward 01 of Islampur Union	37	Mid Term	High	Detailed Design Required
ISLAM-BRI-42	Bridge repaire and renovation	Islampur Union	-	In the east side of Somor Ali's house of Rahmatpur village over the dead Ichamothi river	New	7.62 m bridge Proposed by Community people	Ward 01 of Islampur Union	76	Mid Term	High	Detailed Design Required
ISLAM-BRI-43	New Construction	Islampur Union	-	Islambazarmadrasha toward pandob	New	30.48 m bridge Proposed by Community people	Ward 09 of Islampur Union	305	Mid Term	High	Detailed Design Required
ISLAM-BRI-45	New Construction	Islampur Union	-	Over the river of the south side of kajirgaon mosque	New	7.62 m bridge Proposed by Community people	Ward 01 of Islampur Union	27	Mid Term	High	Detailed Design Required
NOA-BRI-63	New Construction	Noarai Union	-	In kupia Abdur Rahman members house	New	6.10 m bridge Proposed by Community people	Ward 01 of Noarai Union	21	Mid Term	High	Detailed Design Required
NOA-BRI-68	New Construction	Noarai Union	-	In front of Askir Ali's house in moula village	New	18.00 m bridge Proposed by Community people	Ward 02 of Noarai Union	180	Mid Term	Medium	Detailed Design Required
DULA-BRI-01	New Construction	Dular Bazar Union	-	Rouly Johir khal bridge	New	6.10 m bridge Proposed by Community people	Ward 02 of Dular Bazar Union	21	Mid Term	High	Detailed Design Required
DULA-BRI-02	New Construction	Dular Bazar Union	-	Infront of Jotinowagram Jamia mosque	New	15.24 m bridge Proposed by Community people	Ward 02 of Dular Bazar Union	53	Mid Term	High	Detailed Design Required
DULA-BRI-04	New Construction	Dular Bazar Union	-	Infront of Chan mia's house to Dakshin kurshi village at south side road	New	12.19 m bridge Proposed by Community people	Ward 03 of Dular Bazar Union	43	Mid Term	High	Detailed Design Required
DULA-BRI-05	New Construction	Dular Bazar Union	-	Infront of saleha khatun kurshi high school gate to road.	New	30.48 m bridge Proposed by Community people	Ward 08 of Dular Bazar Union	305	Mid Term	High	Detailed Design Required
DULA-BRI-07	New Construction	Dular Bazar Union	-	Infront of jahirpur Islam uddin house	New	6.10 m bridge Proposed by Community people	Ward 04 of Dular Bazar Union	21	Mid Term	Low	Detailed Design Required
DULA-BRI-08	New Construction	Dular Bazar Union	-	Infront of jahirpur alim Uddin's house	New	6.10 m bridge Proposed by Community people	Ward 04 of Dular Bazar Union	21	Mid Term	Low	Detailed Design Required
DULA-BRI-09	New Construction	Dular Bazar Union	-	Near Nurul hok's house of Chelarchor at south side of Moinpur village	New	10.67 m bridge Proposed by Community people	Ward 04 of Dular Bazar Union	37	Mid Term	High	Detailed Design Required
DULA-BRI-10	New Construction	Dular Bazar Union	-	Infront of Buraylachawli Govt. primary school.	New	9.14 m bridge Proposed by Community people	Ward 05 of Dular Bazar Union	32	Mid Term	High	Detailed Design Required
DULA-BRI-11	New Construction	Dular Bazar Union	-	In west side of Moinpurposchimparaplay ground.	New	9.14 m bridge Proposed by Community people	Ward 01 of Dular Bazar Union	32	Mid Term	High	Detailed Design Required
SAILA-BRI-16	New Construction	ChhailaAfzalabad Union	-	Anujaninotun para near Abubokor house	New	10.67 m bridge Proposed by Community people	Ward 06 of Chhaila Afzalabad Union	37	Mid Term	High	Detailed Design Required
SING-BRI-17	New Construction	Sing Chapair Union	-	Infront of Austrogramhijiamadrasha	New	7.62 m bridge Proposed by Community people	Ward 04 of Sing Chapair Union	27	Mid Term	High	Detailed Design Required
SING-BRI-18	New Construction	Sing Chapair Union	-	Near Mohiburrahman's house in Shorisapara	New	9.14 m bridge Proposed by Community people	Ward 09 of Sing Chapair Union	32	Mid Term	High	Detailed Design Required
SING-BRI-19	New Construction	Sing Chapair Union	-	On the bank of Mahmodpur Kupabill	New	7.62 m bridge Proposed by Community people	Ward 03 of Sing Chapair Union	27	Mid Term	High	Detailed Design Required
SING-BRI-20	New Construction	Sing Chapair Union	-	Infront of mahmodpurSikandor Mondol's house	New	12.19 m bridge Proposed by Community people	Ward 03 of Sing Chapair Union	43	Mid Term	High	Detailed Design Required

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SING-BRI-21	New Construction	Sing Chapair Union	-	Near Mohodi Biti tree.	New	12.19 m bridge Proposed by Community people	Ward 03 of Sing Chapair Union	43	Mid Term	High	Detailed Design Required
SING-BRI-22	New Construction	Sing Chapair Union	-	In purandorbar of soidergaon	New	9.14 m bridge Proposed by Community people	Ward 03 of Sing Chapair Union	32	Mid Term	High	Detailed Design Required
DK-BRI-48	New Construction	Dakshin Khurma Union	-	Hadan Ali Purakati at the infront of Nurul Islam's house	New	15.24 m bridge Proposed by Community people	Ward 09 of Dakshin Khurma Union	53	Mid Term	High	Detailed Design Required
DK-BRI-49	New Construction	Dakshin Khurma Union	-	In front of Kumbayan Jamia Mosque	New	6.10 m bridge Proposed by Community people	Ward 04 of Dakshin Khurma Union	21	Mid Term	High	Detailed Design Required
DK-BRI-50	New Construction	Dakshin Khurma Union	-	Infront of Fazal Mia's house of MonirgatiKumbayan village.	New	6.10 m bridge Proposed by Community people	Ward 04 of Dakshin Khurma Union	21	Mid Term	High	Detailed Design Required
DK-BRI-51	New Construction	Dakshin Khurma Union	-	Beside Ayesha Store in Monirgati	New	6.10 m bridge Proposed by Community people	Ward 04 of Dakshin Khurma Union	21	Mid Term	High	Detailed Design Required
DK-BRI-52	New Construction	Dakshin Khurma Union	-	Monirgati Chandar Bari	New	6.10 m bridge Proposed by Community people	Ward 04 of Dakshin Khurma Union	21	Mid Term	High	Detailed Design Required
DK-BRI-53	New Construction	Dakshin Khurma Union	-	In shukraban behind the yasin's house	New	6.10 m bridge Proposed by Community people	Ward 04 of Dakshin Khurma Union	21	Mid Term	High	Detailed Design Required
DK-BRI-54	New Construction	Dakshin Khurma Union	-	West side of Monirgati High School	New	6.10 m bridge Proposed by Community people	Ward 09 of Dakshin Khurma Union	21	Mid Term	High	Detailed Design Required
DK-BRI-55	New Construction	Dakshin Khurma Union	-	Beside of Marjad Nirmal Sutradhar's house	New	6.10 m bridge Proposed by Community people	Ward 02 of Dakshin Khurma Union	21	Mid Term	High	Detailed Design Required
DK-BRI-56	New Construction	Dakshin Khurma Union	-	Beside of Shamsuddin's house in Kurma Kashipur	New	9.14 m bridge Proposed by Community people	Ward 01 of Dakshin Khurma Union	32	Mid Term	High	Detailed Design Required
DK-BRI-57	New Construction	Dakshin Khurma Union	-	Infront of porakatiMuqam house	New	12.19 m bridge Proposed by Community people	Ward 09 of Dakshin Khurma Union	43	Mid Term	High	Detailed Design Required
DK-BRI-58	New Construction	Dakshin Khurma Union	-	In front of Baur Jame Masjid	New	6.10 m bridge Proposed by Community people	Ward 08 of Dakshin Khurma Union	21	Mid Term	High	Detailed Design Required
SAID-BRI-59	New Construction	Syedergaon Union	-	Infront of ramnagor Moin shah majar	New	18.29 m bridge Proposed by Community people	Ward 05 of Syedergaon Union	183	Mid Term	High	Detailed Design Required
SAID-BRI-60	New Construction	Syedergaon Union	-	BishwamberpurKhitesh babu's house	New	9.14 m bridge Proposed by Community people	Ward 05 of Syedergaon Union	32	Mid Term	High	Detailed Design Required
SAID-BRI-61	New Construction	Syedergaon Union	-	In front of Joynal Hosain's house in Shohidpur village.	New	6.10 m bridge Proposed by Community people	Ward 06 of Syedergaon Union	21	Mid Term	High	Detailed Design Required
SAID-OBRI-62	New Construction	Syedergaon Union	-	KhaliyaraDhala near Dudu Mia's house.	New	15.24 m bridge Proposed by Community people	Ward 05 of Syedergaon Union	53	Mid Term	Medium	Detailed Design Required

d) Culverts

Projects by Chhatak Paurashava

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ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
CHATP-CUL-37	New Construction	ChhatakPaurashava	Chh/09/C-01	culvert /Near Bhola graveyard	Pipeline	8.00m Culvert Proposed by Chhatak Paurashava	Ward 07 of ChhatakPaurashava	28	Short Term	high	Need to take initiative from TSC
CHATP-CUL-38	New Construction	ChhatakPaurashava	Chh/07/C-02	culvert /Near pourashova	Pipeline	8.00m Culvert Proposed by Chhatak Paurashava	Ward 07 of ChhatakPaurashava	28	Short Term	high	Need to take initiative from TSC

Projects by LGED

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
SING-CUL-12	New Construction	Sing Chapair Union	690235133	FatarHaor.Connecting Road Bridge	New	30.48 m Bridge Proposed by Community people	Ward 07 of Singchapair Union	107	Mid Term	High	Detailed Design Required
SING-CUL-13	New Construction	Sing Chapair Union	690235133	FatarHaor.Connecting Road Bridge	New	22.86 m Bridge Proposed by Community people	Ward 07 of Singchapair Union	80	Mid Term	High	Detailed Design Required

Projects by DDM

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
BHAT-CUL-03	New Construction	Bhatgaon Union	-	Infront of MondolpurRukon Ali's house	New	4.57 m Culvert Proposed by Community people	Ward 05 of BhatgaonUnion	16	Short Term	High	Detailed Design Required
JWA-CUL-04	New Construction	Jauwa Bazar Union	-	Middle point of kuribill road	New	4.57 m Culvert Proposed by Community people	Ward 06 of Jauwa Bazar Union	16	Short Term	Medium	Detailed Design Required
JWA-CUL-05	New Construction	Jauwa Bazar Union	-	Front of Dekar haor dhala at the End of banayotvillage.	New	10.67 m Culvert Proposed by Community people	Ward 02 of Jauwa Bazar Union	37	Short Term	High	Detailed Design Required
JWA-CUL-06	New Construction	Jauwa Bazar Union	-	Infront of khelumia's house in tarapur village end.	New	25.91 m Culvert Proposed by Community people	Ward 02 of Jauwa Bazar Union	91	Short Term	High	Detailed Design Required
ISLAM-CUL-14	New Construction	Islampur Union	-	Saidabad-Majpara mosque at the south-east side	New	9.14 m Culvert Proposed by Community people	Ward 01 of IslampurUnion	32	Short Term	High	Detailed Design Required
ISLAM-CUL-15	New Construction	Islampur Union	-	Over the dead Ichamothi river to the south side of Saidabad mosque	New	9.14 m Culvert Proposed by Community people	Ward 01 of IslampurUnion	32	Short Term	High	Detailed Design Required
ISLAM-CUL-16	New Construction	Islampur Union	-	Infront of Boishakandi Nuru mia's house	New	9.14 m Culvert Proposed by Community people	Ward 01 of IslampurUnion	32	Short Term	High	Detailed Design Required
ISLAM-CUL-17	New Construction	Islampur Union	-	Infront of the house of Roushola mia in Boishakandi	New	7.62 m Culvert Proposed by Community people	Ward 01 of IslampurUnion	27	Short Term	High	Detailed Design Required
ISLAM-CUL-18	New Construction	Islampur Union	-	From old nowakut to ItBodul Alam road.	New	9.14 m Culvert Proposed by Community people	Ward 03 of IslampurUnion	32	Short Term	High	Detailed Design Required
NOA-CUL-24	New Construction	Noarai Union	-	In the end of Kupia village	New	4.57 m Culvert Proposed by Community people	Ward 01 of Noarai Union	16	Short Term	Medium	Detailed Design Required
NOA-CUL-25	New Construction	Noarai Union	-	On the way of Fakirtila Bede Polli	New	6.10 m Culvert Proposed by Community people	Ward 02 of Noarai Union	21	Short Term	Medium	Detailed Design Required
NOA-CUL-26	New Construction	Noarai Union	-	In front of Arfinnigor Johur Ali's house	New	6.10 m Culvert Proposed by Community people	Ward 03 of Noarai Union	21	Short Term	High	Detailed Design Required
NOA-CUL-27	New Construction	Noarai Union	-	In front of Futkiura Ali mia's house	New	9.14 m Culvert Proposed by Community people	Ward 03 of Noarai Union	32	Short Term	High	Detailed Design Required
NOA-CUL-28	New Construction	Noarai Union	-	In front of Afrojmia's house of bashrilla village.	New	6.10 m Culvert Proposed by Community people	Ward 03 of Noarai Union	21	Short Term	High	Detailed Design Required
NOA-CUL-29	New Construction	Noarai Union	-	In front of bashillamistry's house	New	4.57 m Culvert Proposed by Community people	Ward 03 of Noarai Union	16	Short Term	High	Detailed Design Required
NOA-CUL-30	New Construction	Noarai Union	-	In front of Joynogortajmia's house	New	1.83 m Culvert Proposed by Community people	Ward 03 of Noarai Union	6	Short Term	Medium	Detailed Design Required
NOA-CUL-31	New Construction	Noarai Union	-	In front of Joynogor Rupa mia's house	New	1.83 m Culvert Proposed by Community people	Ward 03 of Noarai Union	6	Short Term	Medium	Detailed Design Required
NOA-CUL-32	New Construction	Noarai Union	-	In front of KorailgaonAjgor's house	New	9.14 m Culvert Proposed by Community people	Ward 03 of Noarai Union	32	Short Term	High	Detailed Design Required
NOA-CUL-33	New Construction	Noarai Union	-	Near the house of Rifat in Asadnigor.	New	6.10 m Culvert Proposed by Community people	Ward 07 of Noarai Union	21	Short Term	High	Detailed Design Required
NOA-CUL-34	New Construction	Noarai Union	-	In front of UlurgaonFojoir Ali's house	New	9.14 m Culvert Proposed by Community people	Ward 07 of Noarai Union	32	Short Term	High	Detailed Design Required
NOA-CUL-35	New Construction	Noarai Union	-	Infront of the east side of jamia mosque of west manikpur.	New	7.62 m Culvert Proposed by Community people	Ward 09 of Noarai Union	27	Short Term	High	Detailed Design Required
NOA-CUL-36	New Construction	Noarai Union	-	West side of kachudair village.	New	7.62 m Culvert Proposed by Community people	Ward 09 of Noarai Union	27	Short Term	High	Detailed Design Required
DULA-CUL-01	New Construction	Dular Bazar Union	-	At east side of Rampur mosque	New	7.62 m Culvert Proposed by Community people	Ward 09 of Dular Bazar Union	27	Short Term	High	Detailed Design Required
DULA-CUL-02	New Construction	Dular Bazar Union	-	Infront of Norshingpurkuddus Mia's house	New	5.49 m Culvert Proposed by Community people	Ward 03 of Dular Bazar Union	19	Short Term	High	Detailed Design Required
SAILA-CUL-07	New Construction	ChhailaAfzalabad Union	-	Front of Umrakhl bridge	New	12.19 m Culvert Proposed by Community people	Ward 08 of ChhailaAfzalabad Union	43	Short Term	High	Detailed Design Required
CHATS-CUL-08	New Construction	Chhatak Union	-	west side of Bousha Islam uddin's house	New	4.57 m Culvert Proposed by Community people	Ward 08 of Chhatak Union	16	Short Term	High	Detailed Design Required
CHATS-CUL-09	New Construction	Chhatak Union	-	East side of Bousha Islam uddin's House	New	3.66 m Culvert Proposed by Community people	Ward 08 of Chhatak Union	13	Short Term	High	Detailed Design Required
CHATS-CUL-10	New Construction	Chhatak Union	-	Near Bousha Abdul Latif house	New	3.66 m Culvert Proposed by Community people	Ward 08 of ChhatakSadarUnion	13	Short Term	High	Detailed Design Required
CHATS-CUL-11	New Construction	Chhatak Union	-	Connecting road to Mollikpur high school.	New	7.00 m Culvert Proposed by Community people	Ward 03 of Chhatak Union	25	Short Term	High	Detailed Design Required

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
DK-CUL-19	New Construction	Dakshin Khurma Union	-	Chechan West neighborhood south of Selim Mia's house	New	9.14 m Culvert Proposed by Community people	Ward 07 of Islampur Union	32	Short Term	High	Detailed Design Required
DK-CUL-20	New Construction	Dakshin Khurma Union	-	Near DhanpurPuranbari	New	6.10 m Culvert Proposed by Community people	Ward 09 of Islampur Union	21	Short Term	High	Detailed Design Required
DK-CUL-21	New Construction	Dakshin Khurma Union	-	To the south of Rasid Mia's house in Saraspur	New	6.10 m Culvert Proposed by Community people	Ward 08 of Islampur Union	21	Short Term	High	Detailed Design Required
DK-CUL-22	New Construction	Dakshin Khurma Union	-	Infront of porakati Soroj Ali's house	New	6.10 m Culvert Proposed by Community people	Ward 09 of Islampur Union	21	Short Term	High	Detailed Design Required
SAID-CUL-23	New Construction	Syedergaon Union	-	Infront of Giasuddin's House of Borosoidergaon Village	New	7.62 m Culvert Proposed by Community people	Ward 01 of Syedergaon Union	27	Short Term	High	Detailed Design Required

e) Drains

Projects by ChhatakPaurashava

ID	Type of Need	Union	Length (M)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
CHATP-DRI-01	Repair and Renovation	ChhatakPaurashava	216.71	Chh/09/D-01	Drain: RCC drain/Boula Alauddin's house to Abdul halim's house main road	Pipeline	0.22km Drain Repaire Proposed by Chhatak Paurashava	Ward 09 of ChhatakPaurashava	35	Short Term	high	Need to take initiative from TSC
CHATP-DRI-02	Repair and Renovation	ChhatakPaurashava	676.35	Chh/08/D-02	Drain: RCC drain/From West Mugolpara new Jamia mosque to Abdul kadir Mia's house	Pipeline	0.68 km Drain Repaire Proposed by Chhatak Paurashava	Ward 08 of ChhatakPaurashava	108	Short Term	high	Need to take initiative from TSC
CHATP-DRI-03	Repair and Renovation	ChhatakPaurashava	199.95	Chh/08/D-03	Drain: RCC drain/From chorer bond Monuwar house toAlammia's house	Pipeline	0.20km Drain Repaire Proposed by Chhatak Paurashava	Ward 08 of ChhatakPaurashava	32	Short Term	high	Need to take initiative from TSC
CHATP-DRI-04	Repair and Renovation	ChhatakPaurashava	240.79	Chh/08/D-04	Drain: RCC drain/From Chorerbond Shahi mosque to pouro Primary school	Pipeline	0.24 km Drain Repaire Proposed by Chhatak Paurashava	Ward 08 of ChhatakPaurashava	39	Short Term	high	Need to take initiative from TSC
CHATP-DRI-05	Repair and Renovation	ChhatakPaurashava	435.86	Chh/06/D-05	Drain: RCC drain/Near Bagbari primary school to Babul Mia's house	Pipeline	0.44km Drain Repaire Proposed by Chhatak Paurashava	Ward 06 of ChhatakPaurashava	70	Short Term	high	Need to take initiative from TSC
CHATP-DRI-06	Repair and Renovation	ChhatakPaurashava	386.79	Chh/06/D-06	Drain: RCC drain/BagbariSumen Councilor House to kalibari Mondir	Pipeline	0.39km Drain Repaire Proposed by Chhatak Paurashava	Ward 06 of ChhatakPaurashava	62	Short Term	high	Need to take initiative from TSC

f) Facilities for water (e.g., Tube well, pipeline and sanitation (Latrine))

Projects by Chhatak Paurashava

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
CHATP-TI-23	New Construction	ChhatakPaurashava	-	Near Fokir tilla BGB camp	New	Tubewell Installation Proposed by Community people and ChhatakPaurashava	Ward 08 of ChhatakPaurashava	10	Mid Term	high	Detailed Design Required
CHATP-ST-17	New Construction	ChhatakPaurashava	Chh/01/F-01	Public Toilet: Near Fokir tilla BGB camp	New	Public Toilet Proposed by Chhatak Paurashava	Ward 01 of Chhatak Paurashava	7	Mid Term	high	Detailed Design Required

Projects by DPHE

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
BHAT-TI-01	New Construction	Bhatgaon Union	-	Infront of Gupalpur Nur Hossain's house	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 04 of Bhatgaon Unionn	2	Mid Term	HIGH	Detailed Design Required
BHAT-TI-02	New Construction	Bhatgaon Union	-	Tajgonjbazar	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 05 of Bhatgaon Unionn	2	Mid Term	HIGH	Detailed Design Required
BHAT-TI-03	New Construction	Bhatgaon Union	-	Southside of Shapagonj bazar	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 07 of Bhatgaon Unionn	2	Mid Term	HIGH	Detailed Design Required
BHAT-TI-04	New Construction	Bhatgaon Union	-	Pagnar par Shanju member's house (EX.) Back side	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 02 of Bhatgaon Unionn	2	Mid Term	HIGH	Detailed Design Required
BHAT-TI-05	New Construction	Bhatgaon Union	-	Near Aligonjbazar east side beside Mosque	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 08 of Bhatgaon Unionn	2	Mid Term	Medium	Detailed Design Required
BHAT-TI-06	New Construction	Bhatgaon Union	-	Northern side of Rukontaj near Toimuch Ali's house	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 09 of Bhatgaon Unionn	2	Mid Term	HIGH	Detailed Design Required
CHAR-TI-07	New Construction	Chormohalla Union	-	Infront of Jalalichor bridge	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 06 of Chormohalla Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-08	New Construction	Islampur Union	-	DokkinGoneshpurNotunpara Mosque	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-09	New Construction	Islampur Union	-	Infront of Majortuk Siraj Uddin's house	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-10	New Construction	Islampur Union	-	Infront of ModdyoGoneshpur Jamia Mosque	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-11	New Construction	Islampur Union	-	Mullapar mosque to West tilla	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 08 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-12	New Construction	Islampur Union	-	In Aiyub Ali's house to the north tilla of Mullapara bridge	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 08 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-13	New Construction	Islampur Union	-	Mullapara bazar South tilla	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 08 of Islampur Union	2	Mid Term	Medium	Detailed Design Required
ISLAM-TI-14	New Construction	Islampur Union	-	In western side of Mohammadpur Ibrahim mia's house	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 08 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-15	New Construction	Islampur Union	-	In western side of Mohammadpur Ibrahim	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 08 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
				mia's house		DPHE					
ISLAM-TI-16	New Construction	Islampur Union	-	Kuchbaripathari tilla	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 08 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-17	New Construction	Islampur Union	-	Beside Islampurjamia mosque to the Monu mia's house	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 06 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-18	New Construction	Islampur Union	-	Islampurdokshinhati it. Haris Ali's house	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 06 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-19	New Construction	Islampur Union	-	Near Sona rani's house to ModdyoGoneshpur	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
ISLAM-TI-20	New Construction	Islampur Union	-	DokkinGoneshpurChorarpur Mosque (Shelterhouse)	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	2	Mid Term	High	Detailed Design Required
ISLAM-TI-21	New Construction	Islampur Union	-	Near Hira mias house to South Goneshpur	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	2	Mid Term	HIGH	Detailed Design Required
BHAT-ST-01	New Construction	Bhatgaon Union	-	Infront of Gupalpur Nur Hossain's house	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 04 of Bhatgaon Union	7	Mid Term	HIGH	Detailed Design Required
BHAT-ST-02	New Construction	Bhatgaon Union	-	Tajgonjbazar	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 04 of Bhatgaon Union	7	Mid Term	HIGH	Detailed Design Required
BHAT-ST-03	New Construction	Bhatgaon Union	-	Southside of Shaplagonj bazar	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 07 of Bhatgaon Union	7	Mid Term	HIGH	Detailed Design Required
BHAT-ST-04	New Construction	Bhatgaon Union	-	Pagnar par Shanju member's house (EX.) Back side	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 02 of Bhatgaon Union	7	Mid Term	HIGH	Detailed Design Required
BHAT-ST-05	New Construction	Bhatgaon Union	-	Near Aligonjbazar east side beside Mosque	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 08 of Bhatgaon Union	7	Mid Term	Medium	Detailed Design Required
ISLAM-ST-06	New Construction	Islampur Union	-	DokkinGoneshpurNotunpara Mosque	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required
ISLAM-ST-07	New Construction	Islampur Union	-	Infront of Majortuk Siraj Uddin's house	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required
ISLAM-ST-08	New Construction	Islampur Union	-	Infront of ModdyoGoneshpur Jamia Mosque	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required
ISLAM-ST-09	New Construction	Islampur Union	-	Mullapar mosque to West tilla	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 08 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required
ISLAM-ST-10	New Construction	Islampur Union	-	In Aiyub Ali's house to the north tilla of Mullapara bridge	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 08 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required
ISLAM-ST-11	New Construction	Islampur Union	-	Mullapara bazar South tilla	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 08 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required
ISLAM-ST-12	New Construction	Islampur Union	-	Kuchbaripathari tilla	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 08 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required
ISLAM-ST-13	New Construction	Islampur Union	-	Beside Islampurjamia mosque to the Monu mia's house	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 06 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required
ISLAM-ST-14	New Construction	Islampur Union	-	Islampurdokshinhati it. Haris Ali's house	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 06 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required
ISLAM-ST-15	New Construction	Islampur Union	-	Near Sona rani's house to ModdyoGoneshpur	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
ISLAM-ST-16	New Construction	Islampur Union	-	Near Hira mia's house to South Goneshpur	New	Public Toilet Proposed by Community people and Upazila DPHE	Ward 07 of Islampur Union	7	Mid Term	HIGH	Detailed Design Required
DK-TI-22	New Construction	Dakshin Khurma Union	-	Paranpur to on the east side of Srivasranjan's house	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 08 of Dakshin Khurma Union	2	Mid Term	HIGH	Detailed Design Required
DK-TI-23	New Construction	Dakshin Khurma Union	-	In front of Dars Ali's house in Baur village	New	Tubewell Installation Proposed by Community people and Upazila DPHE	Ward 08 of Dakshin Khurma Union	2	Mid Term	HIGH	Detailed Design Required

Projects by LGED

ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
ISLAM-FS-01	New Construction	Islampur Union	-	Fire station at Islampur Union	New	Fire station Proposed by Community people	Ward 09 of Islampur Union	225	Mid Term	High	Detailed Design Required

g) Other infrastructures and facilities for emergency operations

Projects by Chhatak Paurashava

Category	ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
Protection wall	CHATP-GUI-26	New Construction	Chhatak Paurashava	371.55	Chh/01/PW-01	Guidewall: RCC Guidewall/Fokir tilla Mintu babu's house to haji Nojimullah house	New	0.37km Guidewall proposed by ChhatakPaurashava	Ward 01 of ChhatakPaurashava	48	Mid Term	high	Detailed Design Required
Protection wall	CHATP-GUI-27	New Construction	Chhatak Paurashava	636.73	Chh/03/PW-02	Guidewall: RCC Retaining wall/South side of Nowarai bazar	New	0.64km Guidewall proposed by ChhatakPaurashava	Ward 03 of ChhatakPaurashava	96	Mid Term	high	Detailed Design Required
Protection wall	CHATP-GUI-28	New Construction	Chhatak Paurashava	351.13	Chh/07/PW-03	Guidewall: RCC Guidewall/Madhobpur land field	New	0.35km Guidewall proposed by ChhatakPaurashava	Ward 07 of ChhatakPaurashava	53	Mid Term	high	Detailed Design Required
Relief center	CHATP-RDC-01	New Construction	Chhatak Paurashava	Length=46 Width=10	Chh/06/F-02	Relief Center: Near bagbari primary school	New	Relief Center proposed by Chhatak Paurashava	Ward 06 of ChhatakPaurashava	125	Mid Term	high	Detailed Design Required

Projects by HED

Category	ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
Health Complex	ISLAM-HC-01	New Construction	Islampur Union	-	Northern side of Bongaonmadrasha	Undecided	Health Complex Proposed by Community people	Ward 02 of Islampur Union	225	Mid Term	High	UzSC has to request to the HED district office to include in ADP or any development Plans.
(Animal) Hospital	ISLAM-LHOS-01	New Construction	Islampur Union	-	Livestock Hospital beside Kumardhani LGED road	Undecided	Livestock Hospital proposed by Community people	Ward 09 of Islampur Union	150	Mid Term	High	UzSC has to request to the HED district office to include in ADP or any development Plans.

Projects by LGED

Category	ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
Protection wall	JAWA-GUI-14	New Construction	Jauwa Bazar Union	948.23	690235165	korai highway Road	New	0.95km Guidewall Proposed by Community people	Ward 05 of Jauwa Bazar Union	76	Mid Term	High	Detailed Design Required
Protection wall	KALA-GUI-01	New Construction	Kalaruka Union	85.34	690234001	RHD Road- Goripur Via Shimultala	New	0.09km Guidewall Proposed by Community people	Ward 01 of Kalaruka Union	7	Mid Term	High	Detailed Design Required
Protection wall	KALA-GUI-02	New Construction	Kalaruka Union	589.79	690234001	RHD Road- Goripur Via Shimultala	New	0.59km Guidewall Proposed by Community people	Ward 02 of Kalaruka Union	47	Mid Term	High	Detailed Design Required
Protection wall	KALA-GUI-03	New Construction	Kalaruka Union	940.31	690234030	RHD - Madobpur Village Road	New	0.94km Guidewall Proposed by Community people	Ward 03 of Kalaruka Union	75	Mid Term	High	Detailed Design Required

Projects by DDM

Category	ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
Protection wall	BHAT-GUI-09	New Construction	Bhatgaon Union	582.17	-	Pagnar par Monir Mia's house to Milon Mia's house	New	0.58km Guidewall Proposed by Community people	Ward 02 of Bhatgaon Union	47	Mid Term	High	Detailed Design Required
Protection wall	BHAT-GUI-10	New Construction	Bhatgaon Union	1572.46	-	From Thakurdhon Alis house to goyas Mias House	New	1.57km Guidewall Proposed by Community people	Ward 03 of Bhatgaon Union	126	Mid Term	High	Detailed Design Required
Protection wall	CHAR-GUI-11	New Construction	Chormohalla Union	319.43	-	Chanpur Ilias Mia house to Kachu Mia house.	New	0.32km Guidewall Proposed by Community people	Ward 09 of Chormohalla Union	26	Mid Term	High	Detailed Design Required
Protection wall	CHAR-GUI-12	New Construction	Chormohalla Union	277.37	-	Besides of Kamarkhal govt. primary school.	New	0.28km Guidewall Proposed by Community people	Ward 08 of Chormohalla Union	22	Mid Term	High	Detailed Design Required
Protection wall	CHAR-GUI-13	New Construction	Chormohalla Union	60.66	-	Jawa Jalalichorabridge to Uttar para road	New	0.06km Guidewall Proposed by Community people	Ward 06 of Chormohalla Union	5	Mid Term	High	Detailed Design Required
Protection wall	JAWA-GUI-15	New Construction	Jauwa Bazar Union	143.26	-	Patli Azir Uddin's house to patli graveyard	New	0.14km Guidewall Proposed by Community people	Ward 05 of Jauwa Bazar Union	11	Mid Term	High	Detailed Design Required
Protection wall	JAWA-GUI-16	New Construction	Jauwa Bazar Union	373.68	-	East side of Agijal bridge to Paigoan	New	0.37km Guidewall Proposed by Community people	Ward 09 of Jauwa Bazar Union	30	Mid Term	High	Detailed Design Required
Protection wall	SING-GUI-21	New Construction	Sing Chapair Union	260.30	-	From Mohodi 2 no. bridge to SingchapairMadrasha bridge.	New	0.26km Guidewall Proposed by Community people	Ward 03 of Sing Chapair Union	21	Mid Term	High	Detailed Design Required
Protection wall	UKHU-GUI-22	New Construction	Uttar Khurma Union	82.60	-	South side of Boitakhali Bridge	New	0.08km Guidewall Proposed by Community people	Ward 05 of Uttar Khurma Union	7	Mid Term	High	Detailed Design Required
Protection wall	DK-GUI-23	New Construction	Dakshin Khurma Union	598.02	-	From in front of Bahar Uddin's house in Chechan village to CNB road	New	0.60km Guidewall Proposed by Community people	Ward 07 of Dakshin Khurma Union	48	Mid Term	High	Detailed Design Required
Protection wall	DK-GUI-25	New Construction	Dakshin Khurma Union	330.10	-	From Baur Mosque near Azizur Rahman's house	New	0.33km Guidewall Proposed by Community people	Ward 08 of Dakshin Khurma Union	26	Mid Term	High	Detailed Design Required
Protection wall	CHATS-GUI-20	New Construction	Chhatak Union	2766.97	-	From Brahmongoan to the mouth of Ronomongalvedakhal	New	2.77km Guidewall Proposed by Community people	Ward 01,02,03,08,09 of Chhatak Union	221	Mid Term	High	Detailed Design Required
Graveyard	BHAT-GR-01	Repair and Renovation	Bhatgaon Union	Length=76 Width=25 m Height=2 m	-	Jaliya teroghar graveyard	New	Graveyard Repair and Renovation Proposed by Community people	Ward 01 of Bhatgaon Union	27	Mid Term	High	Detailed Design Required
Graveyard	CHAR-GR-02	Repair and Renovation	Chormohalla Union	Length=30 Width=12 m	-	Koredichor and chormadhokajirbari b	New	Graveyard Repair and Renovation Proposed	Ward 01 of Chormohalla	6	Mid Term	High	Detailed Design Required

Category	ID	Type of Need	Union	Length (m)	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
				Height=2 m		Graveyard		by Community people	Union				
Graveyard	JWA-GR-03	Repair and Renovation	Jauwa Bazar Union	Length=46 Width=20 m Height=2 m	-	Doulotpur graveyard	New	Graveyard Repair and Renovation Proposed by Community people	Ward 09 of Jauwa Bazar Union	12	Mid Term	High	Detailed Design Required
Graveyard	ISLAM-GR-06	Repair and Renovation	Islampur Union	Length=61 Width=25m Height=2 m	-	Boishakandi-Bahadurpur graveyard	New	Graveyard Repair and Renovation Proposed by Community people	Ward 03 of Islampur Union	20	Mid Term	High	Detailed Design Required
Cattle-Shelter	SING-CSHEL-03	New Construction	Sing Chapair Union	0	-	South side of Gohorpur Village at Govt. pond (Block 2)	New	Cattle Shelterhouse Proposed by Community people	Ward 03 of Sing Chapair Union	150	Mid Term	High	Detailed Design Required
Graveyard	SAILA-GR-04	Repair and Renovation	ChhailaAfzalabad Union	Length=61 Width=22 m Height=3 m	-	LakeshwarMukambari, near main road.	New	Graveyard Repair and Renovation Proposed by Community people	Ward 06 of ChhailaAfzalabad Union	26	Mid Term	High	Detailed Design Required
Graveyard	SING-GR-05	Repair and Renovation	Sing Chapair Union	Length=183 Width=40 m Height=2 m	-	Beside Gohorpur main road	New	Graveyard Repair and Renovation Proposed by Community people	Ward 03 of Sing Chapair Union	87	Mid Term	High	Detailed Design Required
Graveyard	DK-GR-07	Repair and Renovation	Dakshin Khurma Union	Length=125 Width=55m Height=2 m	-	Beside of Rakib's house in Monirgati village	New	Graveyard Repair and Renovation Proposed by Community people	Ward 03 of Dakshin Khurma Union	82	Mid Term	High	Detailed Design Required
Graveyard	SAID-GR-08	Repair and Renovation	Syedergaon Union	Length=91 Width=25 m Height=2 m	-	Berajpurjamia mosque	New	Graveyard Repair and Renovation Proposed by Community people	Ward 09 of Syedergaon Union	27	Mid Term	High	Detailed Design Required
Relief Warehouse	Upz-RWH-01	New Construction	Upazilasadar	Length=40 Width=12	-	Midleof Bagbari Agriculture Office and Palli Savings Bank	New	Relief Warehouse proposed by PIO office	Community people of 13 UPs & Pourashova under ChataakUpazila	150	Mid Term	High	Detailed Design Required

4. Infrastructures for Prevention of Other disasters

a) Lightning Conductor

Projects by DDM

Category	ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
Input distribution		Input distribution	All Unions & Paurashava	-	Motivation people for tree plantation and distribution tree sapling to the community people of each Union & Paurashava.	New	Proposed by UDMC	Community people of this Upazila	4.6	Mid Term	High	Detailed Design Required

<Non-structural countermeasures>

3. Disaster Management Training and materials

Projects by DDM

Category	ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
Training		Training	All Unions & Pourashova	-	Training on Disaster Management and Air Pollution for UDMC members and Community people.	New	Proposed by UDMC	Community people of this Upazila	3	Mid Term	High	Detailed Design Required
Training		Training	All Unions & Pourashova	-	Awareness training on what to do before, at that time and after flood for UDMC.	New	Proposed by UDMC	Community people of this Upazila	3	Mid Term	High	Detailed Design Required

4. Raising Public Awareness and Disaster Education

Projects by DDM

Category	ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
Seminar		Seminar	All Unions & Pourashova	-	Organizing Seminar on Disaster issues for mass people at Union/Upazila level.	New	Proposed by UDMC	Community people of this Upazila	3	Mid Term	High	Detailed Design Required
Meeting/ Seminar		Meeting/ Seminar	All Unions & Pourashova	-	Ensuring of legal concern for protecting embankment by arranging meeting/Seminar with UDMC members and community people and leaflet distribution.	New	Proposed by UDMC	Community people of this Upazila	3	Mid Term	High	Detailed Design Required
Established Bill Board		Established Bill Board	Bussy places over the Upazila	-	Established awareness bill boards in various places in the Municipality and Union level regarding various disasters.	New	Proposed by UDMC	Community people of this Upazila	15	Mid Term	Medium	Detailed Design Required
Training		Training	Most of the Schools under the Upazila	-	Disaster preparedness education in school.	New	Proposed by UDMC	Community people of this Upazila	5	Mid Term	Medium	Detailed Design Required
Awareness session		Awareness session	All Unions & Pourashova	-	Awareness session on disaster issues especially on water borne diseases for UDMC & community people.	New	Proposed by UDMC	Community people of this Upazila	4.6	Mid Term	Medium	Detailed Design Required
Days Observation		Days Observation	All Unions & Pourashova	-	Celebrating day's observation on disaster and climate change at Union level.	New	Proposed by UDMC	Community people of this Upazila	5.6	Mid Term	Medium	Detailed Design Required
Publishing & distribution of poster		Publishing & distribution of poster	All Unions & Pourashova	-	Printing and distribution of disaster related Festoons, Leaflets and Posters etc.	New	Proposed by UDMC	Community people of this Upazila	6	Mid Term	Medium	Detailed Design Required
Training		Training	All Unions & Pourashova	-	Provide awareness training for community people to be safe from Lightning.	New	Proposed by UDMC	Community people of this Upazila	3	Mid Term	High	Detailed Design Required

5. Other non-structural countermeasures

Projects by Chhatak Paurashava

Category	ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
Logistic support		Logistic support	ChhatakPaurashava	-	Provide Water carrying Tank for Paurashava.	New	Proposed by Pourashova	Community people of ChhatakPourashova	2	Mid Term	High	Detailed Design Required
Logistic support		Logistic support	ChhatakPaurashava	-	Provide 2 Excavators (0.7 dia) and 1 paloder/Plodder for Paurashava.	New	Proposed by Pourashova	Community people of ChhatakPourashova	100	Mid Term	High	Detailed Design Required
Logistic support		Logistic support	ChhatakPaurashava	-	Provide Garbage carrying Tractor/Trolley- 4 for Paurashava.	New	Proposed by Pourashova	Community people of ChhatakPourashova	33	Mid Term	High	Detailed Design Required

Projects by DDM

Category	ID	Type of Need	Union	Official ID Number	Official Name of Countermeasures	Plan Status (e.g.) (new/continuing/pipeline/undecided)	Proponents	Direct Beneficiaries/Interests to be protected	Estimated cost (Lakh Tk)	Implementation Time Frame	Priority in Terms of Hazard Analysis	Remarks
Logistic support		Logistic support	ChhatakPaurashava & DDM/PIO office	-	Provide Steel-body Rescue boat (no. 02) for carrying people to the flood shelter house at Union level.	New	Proposed by Pourashova	Community people of ChhatakPourashova	30	Mid Term	High	Detailed Design Required
Logistic support		Logistic support	All Unions & Pourashova	-	Provide life Jacket and training for Anser-VDP members.	New	Proposed by Pourashova & PIO office	Community people of this Upazila	7	Mid Term	High	Detailed Design Required
Logistic support		Logistic support	All Unions & Pourashova	-	Providing relief (foods, water and necessary medicines) during the disaster and after disaster to the affected poor people.	New	Proposed by UDMC & PIO office	Community people of this Upazila	10	Mid Term	High	Detailed Design Required
Cash/kinds support		Cash/kinds support	All Unions & Pourashova	-	Ensuring Farmer Insurance for flood affected farmers.	New	Proposed by UDMC & PIO office	Community people of this Upazila	900	Mid Term	High	Detailed Design Required
Logistic support		Logistic support	All Unions & Pourashova	-	Pic-up car (2.50-3.00 Ton) for relief distribution	New	Proposed by PIO office	Community people of this Upazila	50	Mid Term	High	Detailed Design Required
Logistic support		Logistic support	Upaziladar & Paurashava area	-	Generator for emergency facing	New	Proposed by PIO office	Community people of sadarUpazila	2	Mid Term	High	Detailed Design Required
Logistic support		Logistic support	All Unions, Upazila and district level	-	Wareless set for communicating in emergency period	New	Proposed by PIO office	Community people of this Upazila	0.5	Mid Term	High	Detailed Design Required

Attachment 2: List of the Members of UzDMC for the development of the LDRRA Plan in Chhatak

(1) UzDMC Members

Sl. No.	Name	Designation	Position in UzDMC
01.	Mr. Fazlur Rahman	Chairman, Upazila Parishad, Chhatak, Sunamganj	Chairperson
02.	Mr. Nurar Zaman Chowdhury	Upazila Nirbahi Officer, Chhatak, Sunamganj	Co-chairperson
03.	Mr. Abul Kalam Chowdhury	Mayor, Chhatak Municipality, Sunamganj	Member
04.	Mr. Abu Sahadat Lahin	Vice-Chairman (M), Upazila Parishad, Chhatak, Sunamganj	Member
05.	Ms. Lipi Begum	Vice-Chairman (F), Upazila Parishad, Chhatak, Sunamganj	Member
06.	Mr. Sufi Alam Sohel	Chairman, Islampur UP, Chhatak, Sunamganj	Member
07.	Mr. Dewan Pir Abdul Khaleque Raja	Chairman, Noarai UP, Chhatak, Sunamganj	Member
08.	Mr. Saiful Islam	Chairman, Chhatak (S) UP, Chhatak, Sunamganj	Member
09.	Mr. Owdud Alam	Chairman, Kalaruka UP, Chhatak, Sunamganj	Member
10.	Mr. Abul Hasnat	Chairman, Charmohallah UP, Chhatak, Sunamganj	Member
11.	Mr. Billal Ahmed	Chairman, North Khurma UP, Chhatak, Sunamganj	Member
12.	Mr. Sahab Uddin Md. Sohel	Chairman, Singchapoir UP, Chhatak, Sunamganj	Member
13.	Mr. Abu Bakar Siddique	Chairman, South Khurma UP, Chhatak, Sunamganj	Member
14.	Mr. Abdul Haque	Chairman, Jouwa Bazar UP, Chhatak, Sunamganj	Member
15.	Mr. Nurul Alam	Chairman, Dolar Bazar UP, Chhatak, Sunamganj	Member
16.	Mr. Alhaj Sundar Ali	Chairman, Gobindaganj Sydergaon UP, Chhatak, Sunamganj	Member
17.	Mr. Goyach Ahmed	Chairman, Chhaila Afjalabad UP, Chhatak, Sunamganj	Member
18.	Mr. Ahalad Hossain	Chairman, Batgaon UP, Chhatak, Sunamganj	Member
19.	Mr. Md. Islam Uddin	Asst. Commissioner (Land), Chhatak, Sunamganj	Member
20.	Mohammad Mahabubur Rahman	Officer In-charge, Chhatak, Sunamganj	Member
21.	Mr. Rajib Chakraborty	Uz. Health & Family Planning Officer, Chhatak, Sunamganj	Member
22.	Mr. Towfiq Hossain Khan	Uz. Agriculture Officer, Chhatak, Sunamganj	Member
23.	Mr. Md. Ibrahim Mian	Uz. Livestock Officer, Chhatak, Sunamganj	Member
24.	Ms. Shima Rani Das	Uz. Fishery Officer, Chhatak, Sunamganj	Member
25.	Mr. Masum Mian	Uz. Education Officer (Acting)	Member
26.	Mr. Afsar Ahmed	Uz. Engineer, LGED, Chhatak, Sunamganj	Member
27.	Mr. Shah Md. Shafiur Rahman	Uz. Social Welfare Officer, Chhatak, Sunamganj	Member
28.	Mr. Chowdhury Razib Mostafa	Uz. Family Planning Officer, Chhatak, Sunamganj	Member
29.	Mr. Pinak Ranjan Bhattachariya	Uz. Food Control Officer, Chhatak, Sunamganj	Member
30.	Mr. Gopal Ch. Das	Uz. Youth Development Officer, Chhatak, Sunamganj	Member

Sl. No.	Name	Designation	Position in UzDMC
31.	Mr. Motiur Rahman	Uz. Cooperative Officer, Chhatak, Sunamganj	Member
32.	Mr. Pulin Ch. Roy	Uz. Secondary Education Officer, Chhatak, Sunamganj	Member
33.	Mr. Abdul Kadir	Uz. Ansar VDP Officer	Member
34.	Mr. Pronab Lal Das	Uz. Rural Development Officer, Mr. Abdul Kadir, Chhatak, Sunamganj	Member
35.	Mr. Mijanur Rahman	Sub-Assistant Engineer, DPHE, Chhatak, Sunamganj	Member
36.	Mr. Md. Jalal Ahmed	Station Master, Fire Service Civil Defense, Chhatak, Sunamganj	Member
37.	Mr. Mahamudul Hasan	Residential Engineer, PDB, Chhatak, Sunamganj	Member
38.	Mr. Towfiqul Islam Tuhin	Branch Officer, BWDB, Chhatak, Sunamganj	Member
39.	Mr. Sumon Bhattachariya	Manager, Sonali Bank, Chhatak, Sunamganj	Member
40.	Mr. Harun-Ur-Rashid	President, Press Club, Chhatak, Sunamganj	Member
41.	Mr. Tulshi Charan Das	Principal, Govt. Degree College, Chhatak, Sunamganj	Member
42.	Mr. Anwar Hossain Totha	Commander of Freedom Fight, Chhatak, Sunamganj	Member
43.	Mr. Liton Hawlder	Branch Manager, Breeze NGO, Chhatak, Sunamganj	Member
44.	Mr. Mostafa Hasan Habib	Instructor, URC, Chhatak, Sunamganj	Member
45.	Mr. K.M. Mahabub Rahman	Project Implementation Officer, Chhatak, Sunamganj	Member Secretary

Upazila Disaster Risk Reduction Action Plan of Chhatak



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
উপজেলা নির্বাহী অফিসারের কার্যালয়
ছাতক উপজেলা, সুনামগঞ্জ।
www.chhatak.sunamganj.gov.bd



স্মারক নং: ২৭০

তারিখ: ২২/০২/২০২৩ খ্রি

বিষয়: “The Project for Capacity Enhancement on Formulation & Implementation of Local Disaster Risk Reduction Plan (LDRRP)” শীর্ষক প্রকল্পের আওতায় “স্থানীয় দুর্ঘটনা ঝুঁকি নিরসন পরিকল্পনা” প্রনয়নের লক্ষ্যে ছাতক উপজেলার সাব-কমিটি (UzSC) গঠন প্রসঙ্গে।

উপর্যুক্ত বিষয়ের প্রেক্ষিতে জানানো যাচ্ছে যে, দুর্ঘটনা ব্যবস্থাপনা অধিদপ্তর (ডিডিএম) এবং জাপান ইন্টারন্যাশনাল কো-অপারেশন এজেন্সি (JICA) কর্তৃক বাস্তবায়নধীন “The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan (LDRRP)” শীর্ষক প্রকল্পের আওতায় সুনামগঞ্জ জেলার ছাতক উপজেলায় “স্থানীয় দুর্ঘটনা ঝুঁকি নিরসন পরিকল্পনা” প্রনয়নের লক্ষ্যে উপজেলা দুর্ঘটনা ব্যবস্থাপনা কমিটির সদস্যগণের মধ্য থেকে সংশ্লিষ্ট দপ্তর/বিভাগ এর কর্মকর্তা এবং স্থানীয় জন প্রতিনিধিগণের সমন্বয়ে নিম্নোক্তভাবে একটি সাব-কমিটি গঠন করা হলো।

ক্র: নং	কমিটির সদস্যগণের নাম	পদবী (As of UzDMC)	সাব-কমিটিতে পদবী
১	মো: ফজলুর রহমান	চেয়ারম্যান, উপজেলা পরিষদ এবং সভাপতি	উপদেষ্টা
২	মো: নুরের জামান চৌধুরী	উপজেলা নির্বাহী কর্মকর্তা এবং সহ-সভাপতি	সভাপতি
৩	ডা: রাজিব চক্রবর্তী	উপজেলা হেলথ এন্ড ফ্যামিলি প্ল্যানিং কর্মকর্তা ও সদস্য	সদস্য
৪	মো: তৌফিক হোসেন খান	উপজেলা কৃষি কর্মকর্তা এবং সদস্য	সদস্য
৫	মো: আফছার আহমেদ	উপজেলা প্রকৌশলী, এলজিইডি এবং সদস্য	সদস্য
৬	জনাব মোস্তফা আহসান হাবিব	ইউআরসি ইন্সট্রাক্টর ও সদস্য	সদস্য
৭	ডাঃ মোঃ ইমান আল হোসাইন	ভেটেরিনারি সার্জন, উপজেলা প্রাণী সম্পদ, ছাতক।	সদস্য
৮	দ্বিজেন্দ্র কুমার দাস	সহকারী/উপ-সহকারী প্রকৌশলী, ছাতক পৌরসভা।	সদস্য
৯	মো: মিজানুর রহমান	উপ-সহকারী প্রকৌশলী, ডিপিএইচই এবং সদস্য	সদস্য
১০	জনাব মহিউদ্দিন	গ্রাফ অফিসার, বাংলাদেশ পানি উন্নয়ন বোর্ড এবং সদস্য	সদস্য
১১	জনাব গয়াছ আহমেদ	চেয়ারম্যান, ছৈলা আফজালাবাদ ইউপি ও সদস্য	সদস্য
১২	জনাব বিলাল আহমেদ	চেয়ারম্যান, খুরমা উত্তর ইউপি ও সদস্য	সদস্য
১৩	জনাব সাহাব উদ্দিন মোঃ সাহেল	চেয়ারম্যান, সিংচাপাই ইউপি ও সদস্য	সদস্য
১৪	জনাব সাইফুল ইসলাম	চেয়ারম্যান, ছাতক সদর ইউপি ও সদস্য	সদস্য
১৫	জনাব কে এম মাহবুব রহমান	উপজেলা প্রকল্প বাস্তবায়ন কর্মকর্তা এবং সদস্য সচিব	সদস্য-সচিব

ইতোমধ্যে উপজেলা দুর্ঘটনা ব্যবস্থাপনা কমিটির সদস্যদের নিয়ে “Hazard Analysis and Risk Assessment” বিষয়ক দু’টি কর্মশালা সম্পন্ন হয়েছে। স্থানীয় দুর্ঘটনা ঝুঁকি নিরসন পরিকল্পনা প্রনয়নের লক্ষ্যে পৌরসভা, ইউনিয়ন এবং বিভিন্ন দপ্তর থেকে সংগৃহীত তথ্য-উপাত্তসমূহ মাঠ পর্যায়ে অধিকতর যাচাই-বাছাইয়ের জন্য উক্ত সাব-কমিটি কাজ করবেন।

(মো: নুরের জামান চৌধুরী)
উপজেলা নির্বাহী অফিসার ও সহ-সভাপতি
উপজেলা দুর্ঘটনা ব্যবস্থাপনা কমিটি (UzDMC),
ছাতক, সুনামগঞ্জ।

অনুলিপি : সদয় অবগতি ও প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য প্রেরণ করা হলো-

- ১। জনাব নিশিন্ত কুমার পোদ্দার, (যুগ্ম সচিব), পরিচালক (পরিকল্পনা ও উন্নয়ন), ডিডিএম এবং প্রকল্প পরিচালক, LDRRP শীর্ষক প্রকল্প, ঢাকা।
- ২। জেলা প্রশাসক, সুনামগঞ্জ।
- ৩। চেয়ারম্যান, উপজেলা পরিষদ, ছাতক, সুনামগঞ্জ।
- ৪। জেলা ত্রান ও পুনর্বাসন কর্মকর্তা, সুনামগঞ্জ।
- ৫। জাইকা এক্সপার্ট টিম (JET)।
- ৬। নির্বাহী পরিচালক, স্যানফ্রেড ওয়েলফেয়ার ফাউন্ডেশন (SWF), হাছননগর, সুনামগঞ্জ।
- ৭। সংরক্ষণ নথি।

(2) UzDMC Sub-Committee members for LDRRAP

Sl. No.	Name of the Committee Members	Designation	Position in the Sub-Committee
01.	Mr. Fazlur Rahman	Chairman, Upazila Parishad	Chairman
02.	Mr. Nurar Zaman Chowdhury	Upazila Nirbahi Officer	Co-chairman
03.	Dr. Rajib Chakraborty	Upazila Health & Family Planning Officer	Member
04.	Mr. Md. Towfiq Hossain Khan	Upazila Agriculture Officer	Member
05.	Mr. Afsar Ahmed	Upazila Engineer, LGED	Member
06.	Mr. Mostafa Ahasan Habib	Instructor, Upazila Resource Center (URC)	Member
07.	Dr. Md. Iman Al-Hossain	Veterinary Surgeon, Upazila Livestock Department	Member
08.	Mr. Dijendra Kumar Das	Sub-Assistant Engineer, Chhatak Municipality	Member
09.	Mr. Mijanur Rahman	Sub-Assistant Engineer, DPHE	Member
10.	Mr. Mohiuddin	Branch Officer, BWDB	Member
11.	Mr. Goyach Ahmed	Chairman, Saila Afjalabad Union Parishad	Member
12.	Mr. Bilal Ahmed	Chairman, North Khurma Union Parishad	Member
13.	Mr. Sahabuddin Md. Sahel	Chairman, Singchapoir Union Parishad	Member
14.	Mr. Saiful Islam	Chairman, Chhatak Sadar Union Parishad	Member
15.	Mr. KM Mahabub Rahman	Project Implementation Officer	Member of the Office Secretary

Attachment 3: Workshop and other planning activity photos in Chhatak



1st Workshop with UzDMC



2nd Workshop with UzDMC



UzSC Meeting presided by UNO



3rd (Final) Workshop with UzDMC



Meeting with District Disaster Management Committee (DDMC)



Collection and Validation of Risk and Hazard Information Consultation with Govt. Departments and Union Chairmans



Note:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

