

Upazila Disaster Risk Reduction Action Plan

Jagannathpur, Sunamganj

November 2023

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

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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, lightning 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
Jagannathpur Upazila Parishad
Sunamganj District



Message

Sunamganj district is known throughout the country as Haor and low-land area. Fishes, Stones and Rice are recognized as the soul of the district. Jagannathpur Upazila under Sunamganj district surrounded by Haor is highly disaster-prone area. Although agriculture is the main livelihood option of the area, almost every year disaster, especially flash flood, hits every union of this Upazila and adversely affects the livelihood of the people. The flash flood occurs from mid-April to May due to heavy rainfall in the upstream of Meghalaya's hills resulting damage of not only standing Boro crops, fisheries, livestock, but also infrastructures, houses, and people's lives. Apart from the flash flood, the significant disasters of this Upazila are seasonal floods, tornados, thunderstorms, draughts and so on, which hampers different types of development initiatives of the government.

In spite of affecting this Upazila with disasters every year, no disaster management plan is prepared yet at Upazila level. Bangladesh government comes forward with a view to restoration of life and livelihoods, as well as reduces sufferings of community peoples living in this Upazila with the assistance of JICA through the project.

I am very much glad to involve in the process for formulation of Upazila Disaster Risk Reduction Action Plan (UzDRRAP). I strongly believe that the said UzDRRAP will play a vital role to reduce disaster risk of the area. I express my sincere thanks to everyone involved in the formulation of disaster risk reduction plan.

Md. Nurul Islam



Upazila Nirbahi Officer
Jagannathpur, Sunamganj

Message

Jagannathpur is an Upazila located in the northeast of the district of Sunamganj and in the middle of the division of Sylhet, Bangladesh. It is bordered by Chhatak and North Sunamganj to the north, Bishwanath and Osmani Nagar to the east, Derai to the west, and Nabiganj to the south. The major rivers are Kushiyara and Dahuka, while the major Haors are Gaziala Group Haor, Pinglar Haor, Nalua Haor, and Paruar Haor. Agriculture is the main livelihood option of the area including fisheries. Various types of natural disaster are the main obstacle to the development where Flash flood is very prominent. Apart from this, other significant disasters including seasonal floods and thunderstorm also damage lives, wealth, and environment. It affects not only the person or the community of a society, but also slows down the national economic growth and irreplaceable resources. In order to reduce the risk of disasters and losses, a proper plan is needed.

Based on that reality, the Bangladesh government, specifically MoDMR and DDM, with the support of JICA, comes forward to prepare the Upazila Disaster Risk Reduction Action Plan (UzDRRAP) involving UzDMC (Upazila Disaster Management Committee) and UDMC (Union Disaster Management Committee), as well as the interaction with officials of relevant departments which are extremely realistic and well-timed. For the planning, we set the Upazila Sub-Committee for discussing needed DRR countermeasures, and conducted UzDRRAP formulation workshops several times. This plan contains general information of the Upazila including population, history of disaster, hazard and risk assessment, as well as the list of needed structural and non-structural countermeasures to reduce the disaster risks.

I believe this plan will play a vital role to reduce disaster risk of the area. I express thanks and gratitude to members of UDMC, UzDMC and DDMC for their tremendous efforts. I draw the attention to respective authorities for the successful implementation of UzDDRP on time.

Md. Shajedul Islam

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Acronyms

ADP	Annual Development Program
BBS	Bangladesh Bureau of Statistics
BCC	Building Construction Committee
BMD	Bangladesh Meteorological Department
BNBC	Bangladesh National Building Code
BWDB	Bangladesh Water Development Board
CRA	Community Risk Assessment
DAE	Department of Agricultural Extension
DDM	Department of Disaster Management
DDMC	District Disaster Management Committee
DEM	Digital Elevation Model
DMC	Disaster Management Committee
DPHE	Department of Public Health Engineering
DPP	Development Project Proposal
DRMP	Disaster Risk Management Plan
DRR	Disaster risk reduction
DRRO	District Relief & Rehabilitation Officer
FSCD	Fire Service and Civil Defence
GDP	Gross domestic product
GIS	Geographic Information System
GSB	Geological Survey of Bangladesh
GSD	Ground Sampling Distance
HED	Health Engineering Department
ID	Identity Document
JET	JICA Expert Team
JICA	Japan International Cooperation Agency
LDRRP	Local Disaster Risk Reduction Plan
LGED	Local Government Engineering Department
MoDMR	Ministry of Disaster Management and Relief
MoE	Ministry of Education
NGO	Non-governmental Organization
NPDM	National Plan for Disaster Management
PIO	Project Implementation Officer
PWD	Public Works Department
RRAP	Risk Reduction Action Plan
SFDRR	Sendai Framework for Disaster Risk Reduction
SOB	Survey of Bangladesh
SOD	Standing Orders on Disaster 2019
TSC	Technical Sub-Committee
UNO	Upazila Nirbahi Officer
UPs	Union Parishads
URC	Upazila Resource Center
UzCC	Upazila Construction Committee
UzDMC	Upazila Disaster Management Committee
UzDMP	Upazila Disaster Management Plan
UzDRRAPs	Upazila Disaster Risk Reduction Action Plans
UzSC	Upazila Disaster Risk Reduction Action Plans Sub-Committee
VDP	Village Defense Party

Chapter-1. Introduction

1.1 Purpose and aim of the Plan

The purpose of the Jagannathpur 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".

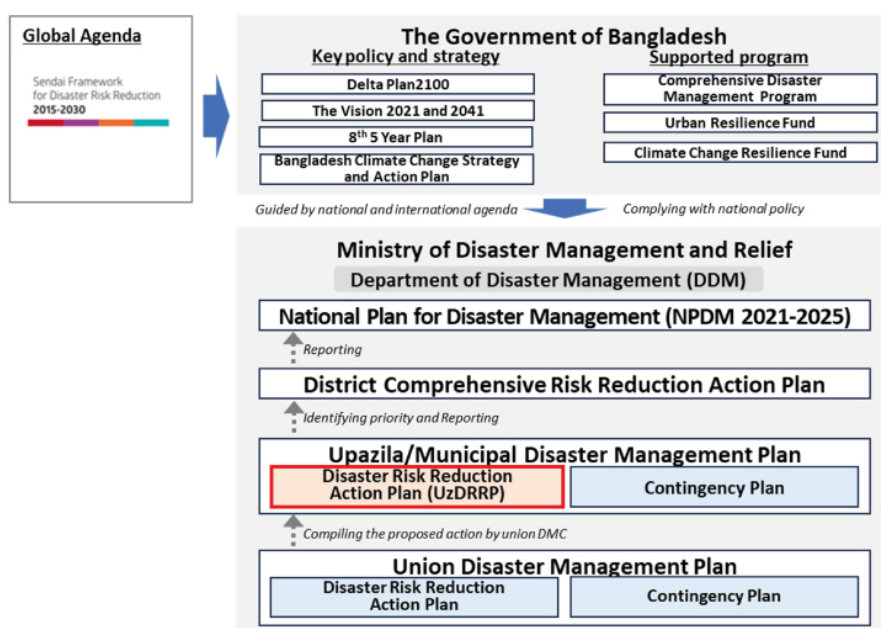


Figure 1-2. Relationship between national key policies and this plan

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 Jagannathpur 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. 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.

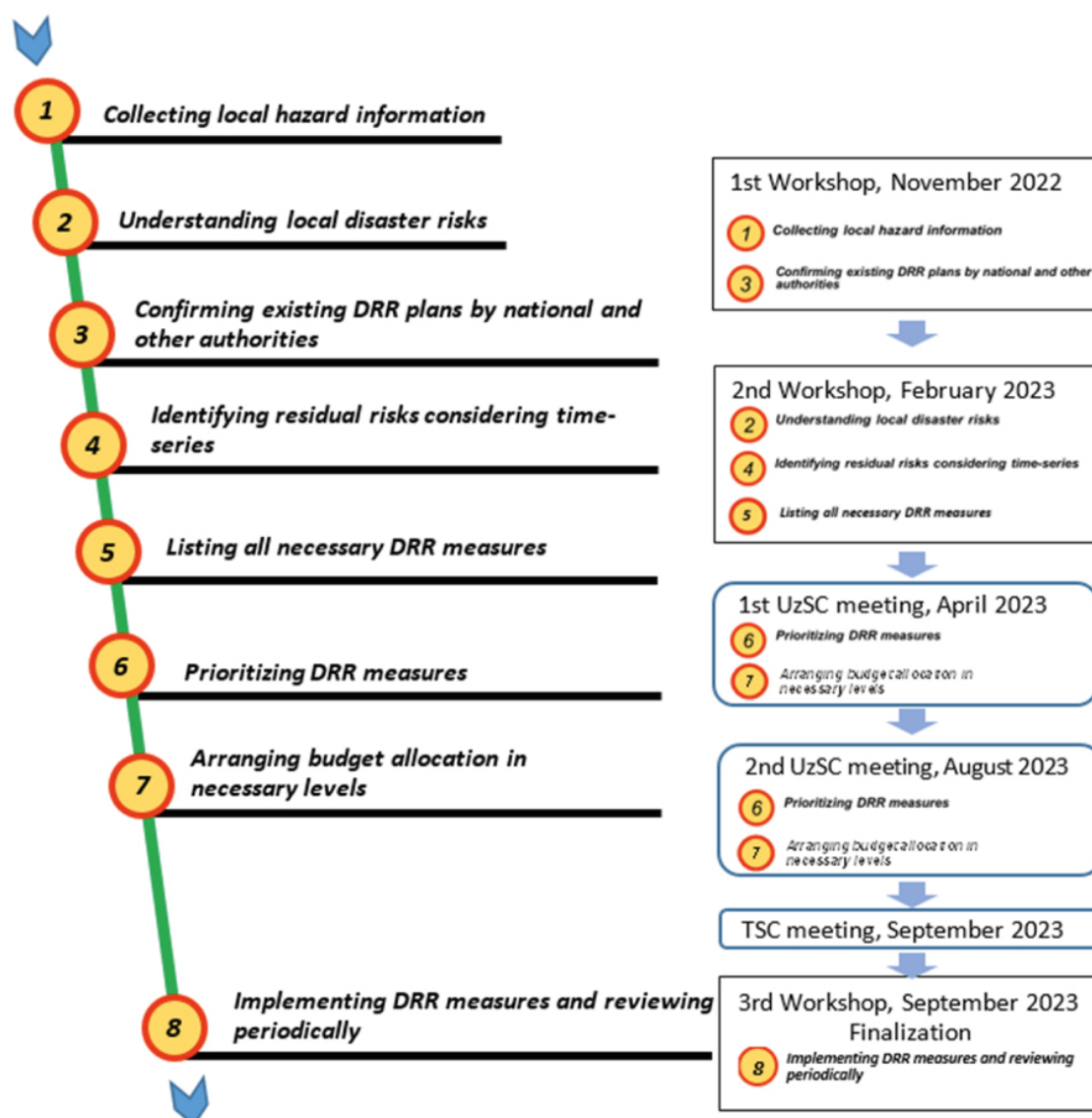


Figure 1-3. "8 Steps" for Upazila DRR Planning in case of this plan

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

2.1 Location and Geographic Conditions

2.1.1 Location of the Upazila

Jagannathpur Upazila is situated in the south-east of Sunamganj district and the middle of the divisional town, Sylhet, of the north-east part of Bangladesh. It is bordered by Chhatak Upazila to the north, Shantiganj Upazila to the north-west, and Derai Upazila to the south-west under Sunamganj district and Bishwanath and Osmaninagar Upazila under Sylhet District to the east and Nabiganj Upazila under Habiganj District to the south. It is located 50 km west of the divisional headquarters city of Sylhet and 43.3 Km north-east of the district town Sunamganj. The area of the Upazila is 335.97 km².



Figure 2-1. Location Map of Jagannathpur Upazila

2.1.2 Topography of the Upazila

The topography of Jagannathpur Upazila consists primarily of flat and low-lying plains with an elevation of less than 12 meters except for the high area comparatively. Therefore, the Upazila is vulnerable to flood and flash flood due to monsoon frequently. These flat areas are used for agriculture, fish and duck farming in the haor area, fishing in the open water body 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 the 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 Jagannathpur Upazila. In those upazilas, there are some wetlands called "Haor" and those rivers provide water into Haor from the 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 the Haor area becomes deeper and wider.

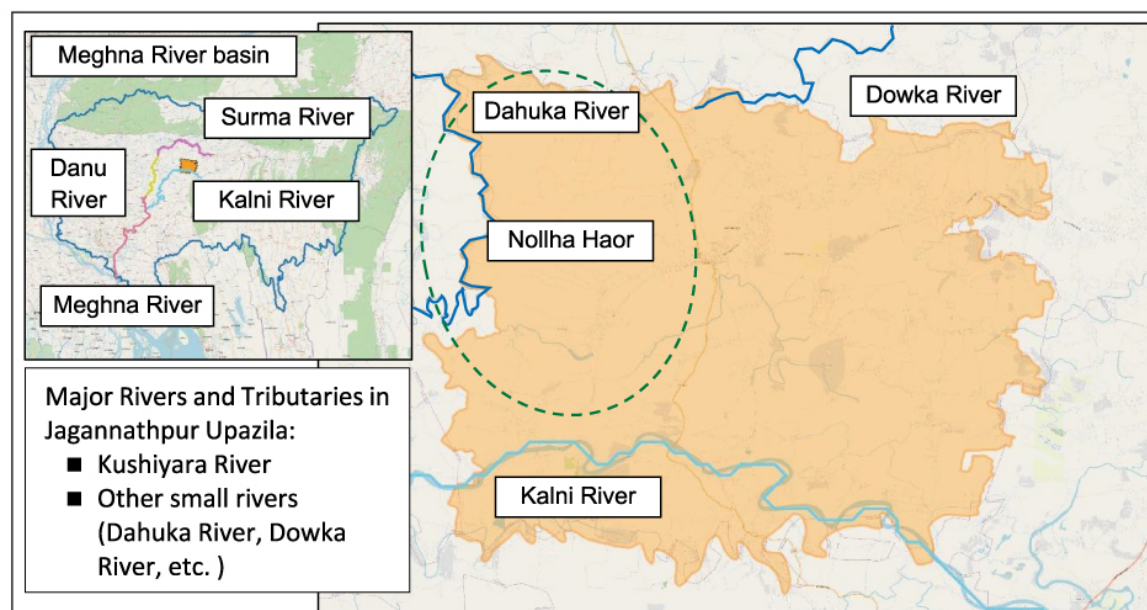


Figure 2-3. Major River, Small Rivers and Haors in Jagannathpur Upazila

2.2 Socio-economic Conditions

2.2.1 Demography

Jagannathpur Upazila is divided into eight unions: Asharkandi, Chilaura Holdipur, Kolkolia, Mirpur, Pailgaon, Raniganj, Syedpur Shaharpara and Patli. Jagannathpur Paurashava is divided into 9 Wards and 43 Mahallas. The demography in Jagannathpur Upazila is shown below. According to the census 2011, the total population of the Upazila is 287,786 people.

Table 2-1. Demography of Jagannathpur Upazila

Union Name	Total Area (km ²)	Total Population	Number of Households
Asharkandi	51.22	37,005	4,136
Chilaura Holdipur	61.38	29,903	3,910
Kolkolia	21.00	38,667	6,820
Mirpur	28.90	23,219	3,342
Pailgaon	42.44	32,925	5,310
Raniganj	49.37	38,114	5,004
Syedpur Shaharpara	22.29	24,369	3,342
Patli	32.52	22,885	3,062
Jagannathpur Paurashava	26.85	40,699	7,032
Total	335.97	287,786	41,958

Source: Population and Housing Census 2011 and interview with Unions

2.2.2 Economy and Industry

The economy of Jagannathpur Upazila is mainly depends on agriculture and agriculture-based farming. Out of total 41,958 households of this Upazila, 63.58% households are directly related to agriculture farming. They produce various crops mainly rice (Amon and Boro), wheat, vegetable, oil seeds and others which are sold both locally and to other parts of the district. Apart, fishing in open water body along with fishery in the wetland, Haor, Beel and even in the paddy field during the rainy season are the important economic activities of the area. Besides, Livestock, Duck farming, and Cottage industries (e.g., Bamboo and Cane work) are also the main sources of household income of this Upazila. There are a number of Fisheries, Dairies, Poultryes and Duck hatcheries in this Upazila. The main export item from this Upazila is haor fish. Non-farm activities are not very much significant in this Upazila. Although males and females are equally involved in agriculture, female participation in non-farm activities is very much poor in rural areas.

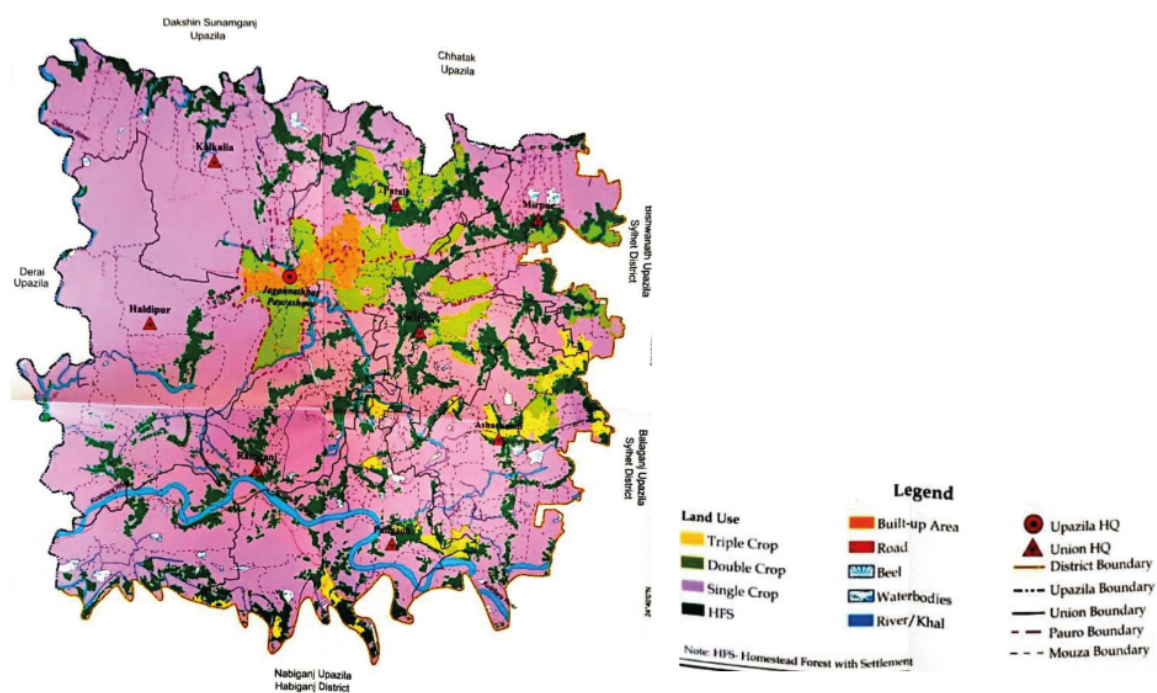
According to the district statistics (2011), agriculture contributes to economy 57.11%, non-agriculture sectors 6.87%, industry 0.42%, trade 9.42%, transport & communication 0.96%, remittance 9.70%, service 3.79%, construction 0.88%, religious service 0.34% and others 10.51%.

The following table shows the total establishments of different industries in Jagannathpur Upazila which are contributed to the national economy.

Table 2-2. The number of industries

Sl. no.	Name of industry	No. of industry	Sl. no.	Name of industry	No. of industry
1	Rice mill	19	6	Bamboo & cane industry	205
2	Pottery	02	7	Wooden furniture	15
3	Husking Crafts mill	130	8	Saw mill	24
4	Dry fish processing	20	09	Bakery	5
5	Cottage industry	50	10	Tailoring shop	127
Total of industries establishment =					597

(Source: District statistics- 2011)



(Source: National Land Zoning Project, Ministry of Land)

Figure 2-4. Land Use Zoning Map

2.2.3 Urbanization

The 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 upazila of Chhatak, Derai, Jagannathpur and Sunamganj Sadar. The urbanization rate in Jagannathpur is 15.68 % in 2011 and the rate has expanded for 0.2 % which is not a significant increase. The highest urbanization rate observed in the Sunamganj district is 25.13% in Sunamganj Sadar. However, Jagannathpur upazila is one of the upazilas where urbanization is developing as Jagannathpur Paurashava is located as a growing center. Annual population growth rate in Jagannathpur upazilla is 1.08% in 2022 according to the comparison between 2011 and 2022, it is slightly lower than the average rate of Bangladesh of 1.22% (Population & Housing Census 2022). Annual population rate in the union of Asharkandi, Kolkolia and Chilaura Holdipur above the average of 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	
Jagannathpur Paurashava	40,699	40,499	-0.05%
Asharkandi	27,740	37,005	3.34%
Chilaura Holdipur	26,057	29,903	1.48%
Kolkolia	31,953	38,667	2.10%
Mirpur	21,364	23,219	0.87%
Pailgaon	30,117	32,925	0.93%
Patli	21,383	22,885	0.70%
Raniganj	36,295	38,114	0.50%
Syedpur Shaharpara	23,882	24,369	0.20%

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

2.3 Meteorological Conditions

The climate of Jagannathpur 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 October as shown in Figure 2-5. Then, the northeast monsoon flows and dries the area from November to March.

As shown in Figure 2-5, the Upazila has an annual rainfall of more than 2,000 mm. Most rainfall is concentrated during the rainy season, especially the 4 months between June to September, when a third of the annual rainfall occurs. Also, there is moderate rainfall in May and October. The heavy rainfall often devastates haor area of Jagannathpur Upazila and causes flooding in the area. In addition, flash flood also generally affects in late March to mid-April due to rainwater comes from upstream. Also, the thunderstorm causes tremendous damage for which may people dies in every year.

The Upazila has a little high temperature in comparison with the national average. The highest temperature reaches a maximum of 35.0°C in April and a minimum of 16.0°C in January. From February to October the temperature is prevailing within 30. 0°C to 35. 0°C (Figure 2-6).

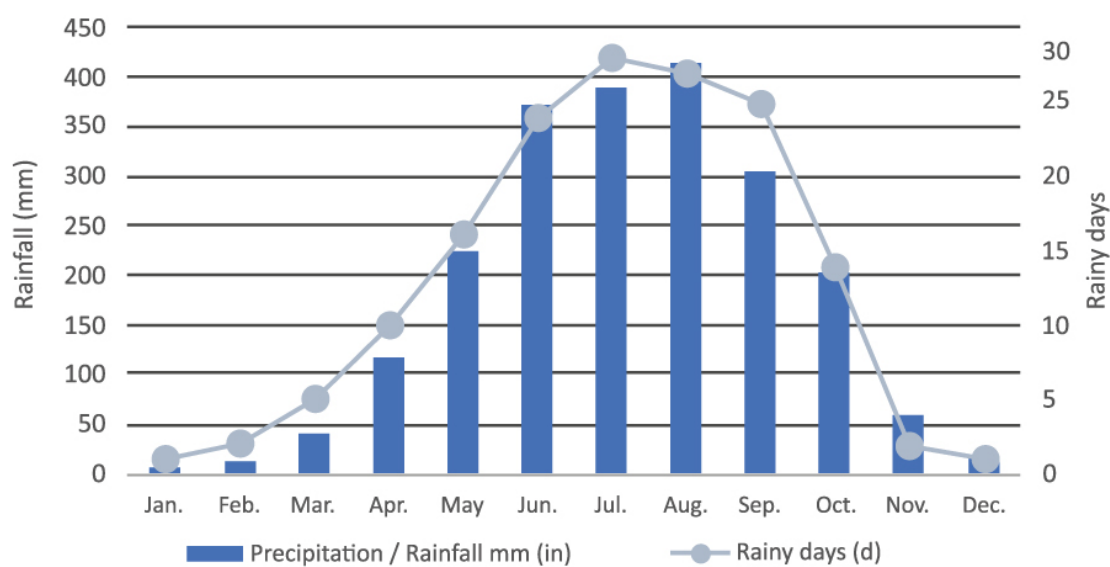


Figure 2-5. Average Annual Rainfall and Temperature

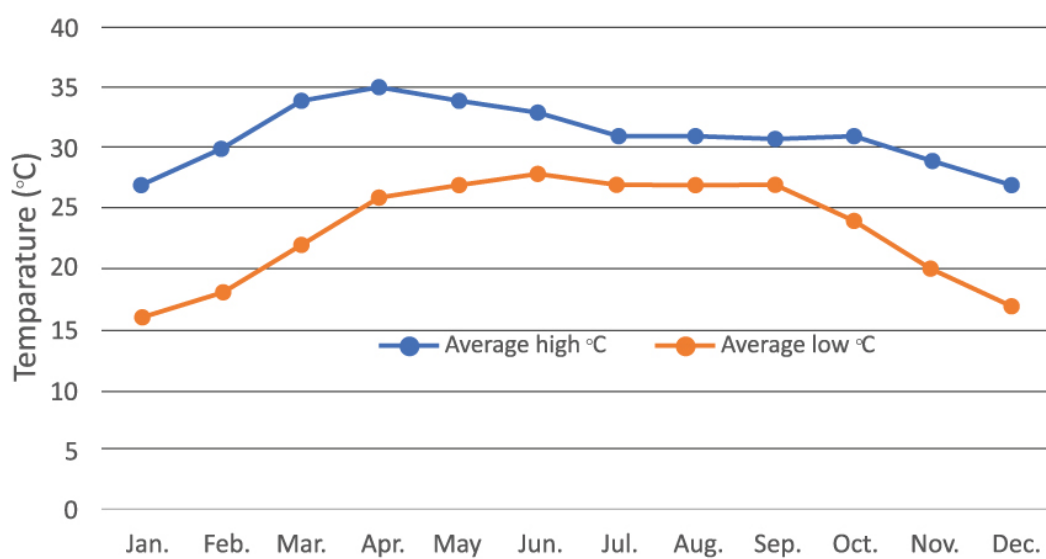


Figure 2-6. Average Temperature

Chapter-3. Target Hazards and Disaster-prone Areas

3.1 Disaster Record of the Upazila

Jagannathpur 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. One of the most historic and destructive disasters was the 2022 flood which severely affected the Upazila with over 6,000 damaged houses and 50,000 affected people.

Table 3-1. Recent Disaster Record in Jagannathpur Upazila

No.	Year	Damage
1. Flood		
(1)	May, 1999	Cause: Flash flood by heavy rain Affected population: 5,000 people Casualty: 00 dead people Damaged House: 200 Damaged Infrastructures: 20 km stretch of Haor embankment, school, tube well, and pond Other Damage: livestock, crop,
(2)	Jun. 2004	Cause: Flash flood Affected population: 50,000 people Casualty: 01 dead people Damaged House: 500 Damaged Infrastructures: 5.00 km stretch of Haor embankment, school, tube well, and pond Other Damage: livestock, crop,
	N.d. 2004	Cause: Seasonal flood Affected population: 60,000 people Casualty: 00 dead people Damaged House: 600 Damaged Infrastructures: 6.00 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: 6000 people Casualty: 00 dead people Damaged House: 100 Damaged Infrastructures: 1.00 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: 10,000 people Casualty: 00 dead people Damaged House: 56 Damaged Infrastructures: 1.00 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: 76,800 people Casualty: 00 dead people Damaged House: 6385 Damaged Infrastructures: 50.00 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 Jagannathpur Upazila, targeting the pre-monsoon flash flood, which causes tremendous damage 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 the 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 Jagannathpur Upazila, Asharkandi, Chilaura Holdipur, and Kolkolia are particularly prone to flooding because the lands of such unions are low-lying and some hoars are located. The paddy fields and the settlement area in such unions are affected severely and widely.

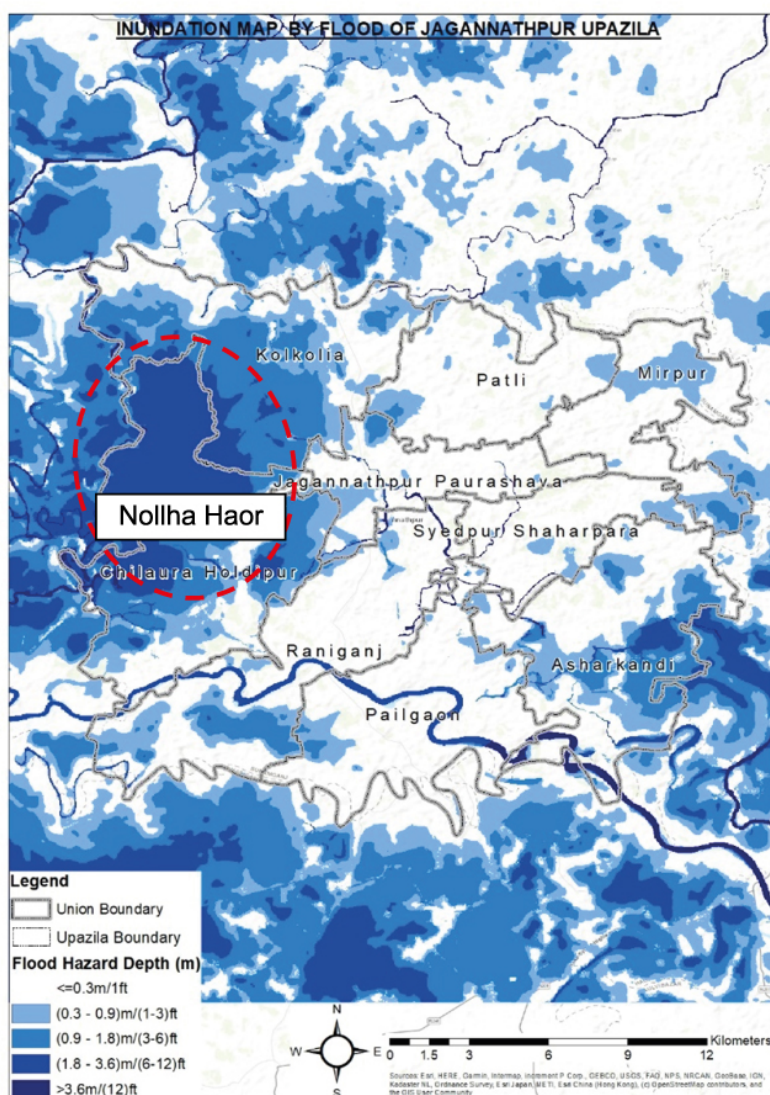


Figure 3-1. River Floods Hazard map in Jagannathpur Upazila

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 Jagannathpur 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 northwestern unions including Kolkolia and Chilaura Holdipur Unions, are estimated with relatively weak shaking rather than other unions.

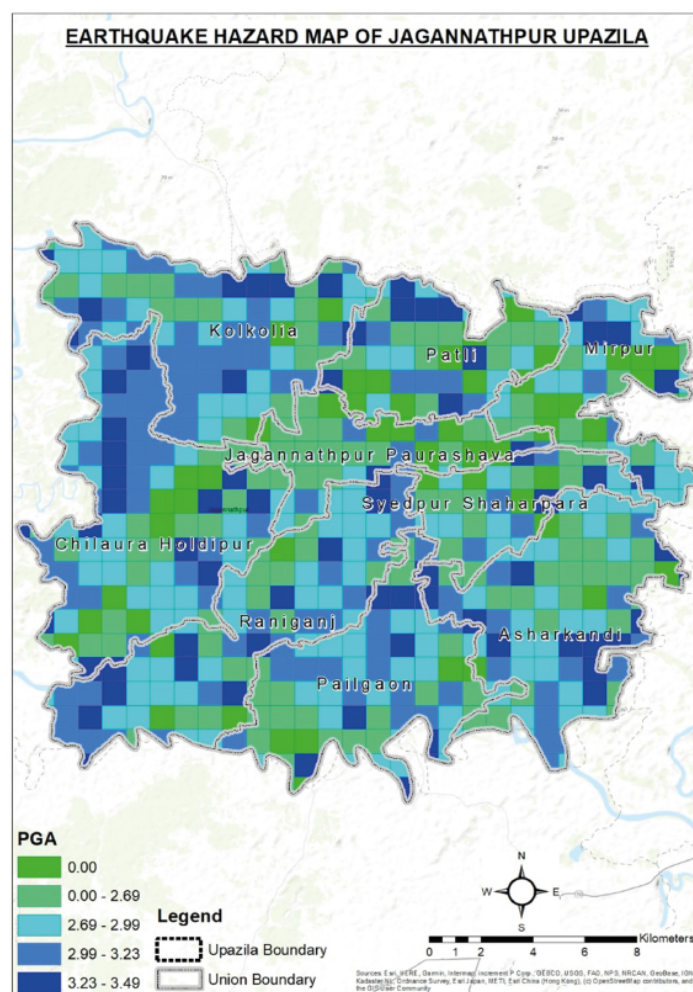


Figure 3-2. Earthquake Hazard map in Jagannathpur

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: cultivation 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 Chilaura Holdipur and Kolkolia Unions adjacent to Pingla Haor. The inundation areas are approximately 3,050 m² and 3,150 m², respectively. 82% of Asharkandi Union, located on the southeastern corner of Jagannathpur Upazila is also affected by flooding as it is adjacent to the Chalyyar, Saratir and Dayalang Hoars.

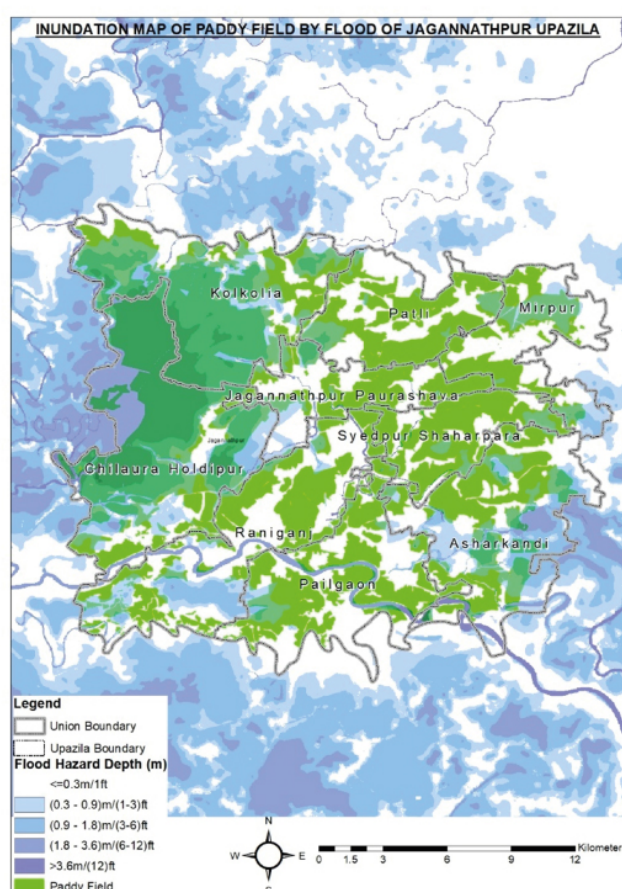


Figure 4-1. Inundated Paddy Field with danger water level of BWDB

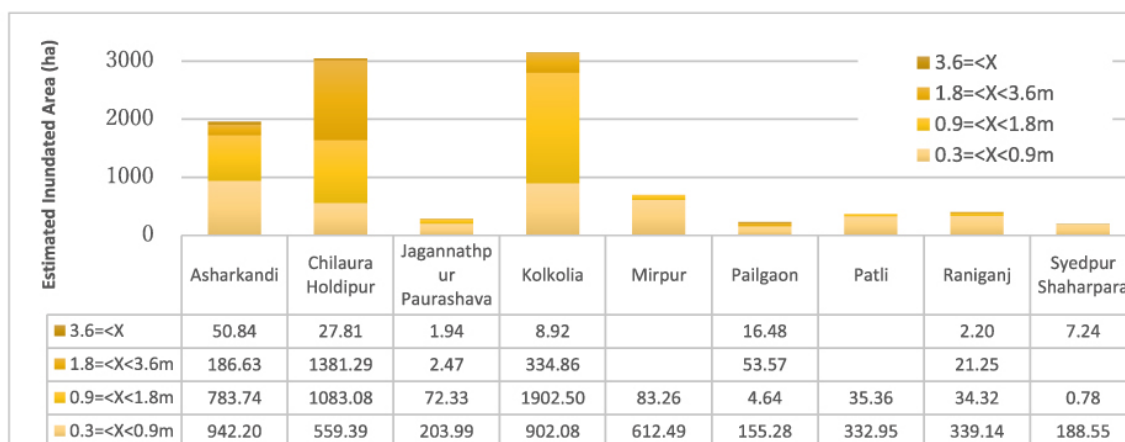


Figure 4-2. Inundated Area of Paddy Field with danger water level of BWDB

Total Economic loss estimated based on the areas of the inundated paddy fields, reaches about 864 million Taka. Kolkolia Union is most affected with about 263 million, followed by Chilaura Holdipur Union with 255 million Taka. Asharkandi Union will be most affected in terms of the percentage with 82.1% of the paddy field inundated.

Table 4-1. Estimated Economic Loss by Flood

Union	Area of Inundated Paddy Field (≥ 0.3m) [ha]	Ratio (Inundated Area / All Paddy Field)	Estimated Economic Loss [Thousand Taka]
Asharkandi	1963.42	82.1%	164,276
Chilaura Holdipur	3051.57	68.0%	255,320
Jagannathpur Paurashava	280.72	21.0%	23,487
Kolkolia	3148.35	78.1%	263,417
Mirpur	695.75	53.0%	58,212
Pailgaon	229.97	9.9%	19,241
Patli	368.32	19.8%	30,817
Raniganj	396.92	17.5%	33,210
Syedpur Shaharpara	196.57	12.2%	16,447
Total	10331.59	47.8%	864,427

Notes: 1. 3.52 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 Jagannathpur Upazila, 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 23.75 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 risk in Chilaura Holdipur and Kolkolia Unions adjacent to Pingla Haor 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 interventions to prevent or mitigate the impact of pre-monsoon flash flood. In particular, in Asharkandi Union, the remaining inundation affected area ($\geq 0.3\text{m}$) is estimated at 1,963 m^2 .

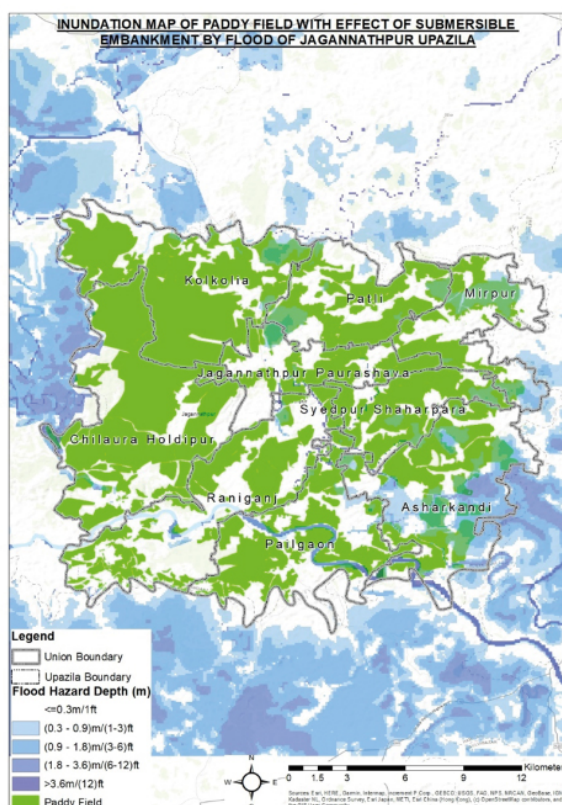


Figure 4-3. Inundated Paddy Field in case of functioning submersible embankment

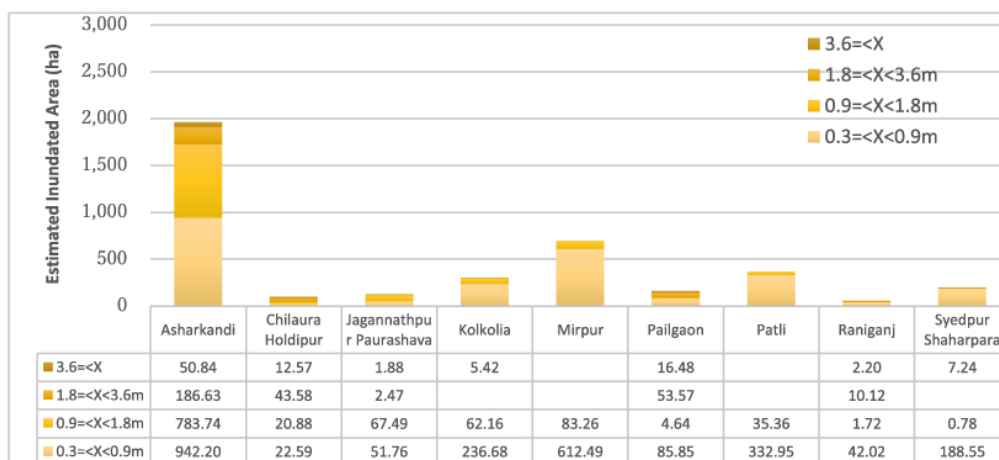


Figure 4-4. Inundated Area of Paddy Field in case of functioning submersible embankments

(2) Damage estimation of settlement area by flood

Figure 4-5 shows that portions of the settlement areas of Kolkolia, Chilaura Holdipur and Asharkandi Unions which are adjacent to some haors are affected by flooding.

Comparing the affected settlement areas by union, Chilaura Holdipur and Kolkolia Unions are the most affected with approximately 7,590 m² and 6,500 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 3.6m in most areas, widely depending on the topographic conditions.

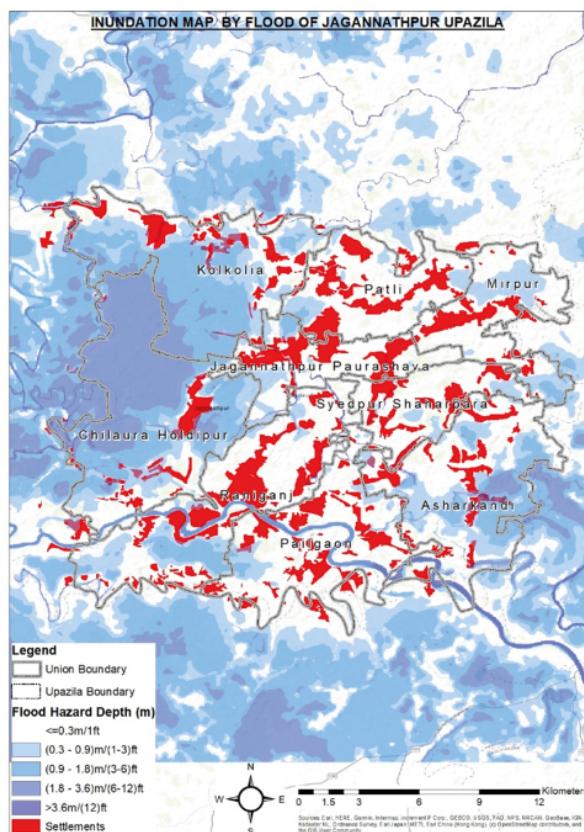


Figure 4-5. Inundated Settlement with danger water level of BWDB

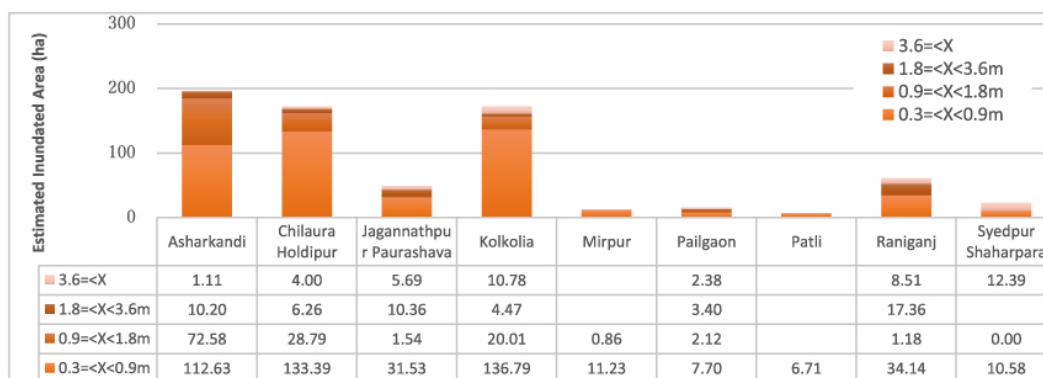


Figure 4-6. Inundated Area of Settlement with danger water level of BWDB

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

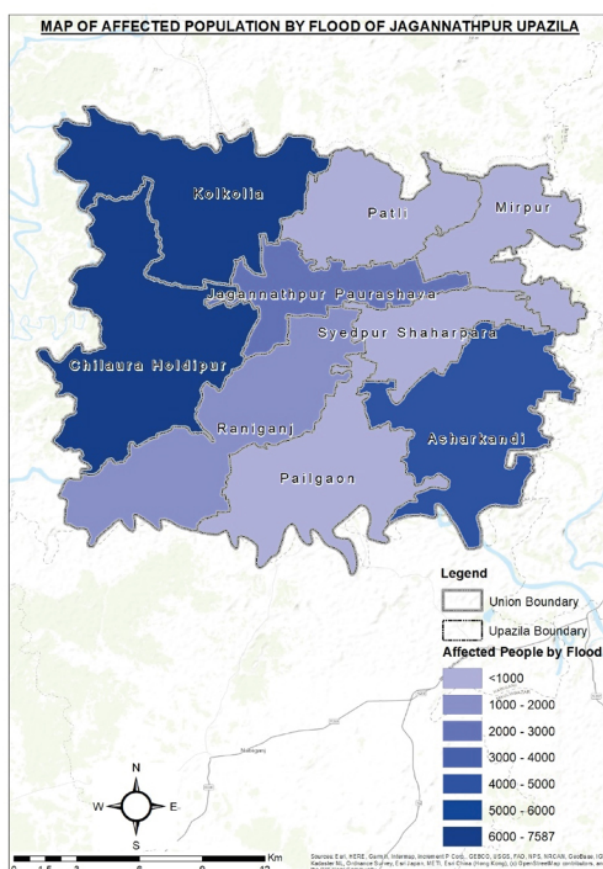


Figure 4-7. Affected Population with danger water level of BWDB

Table 4-2. Flood Affected Population by Union

Union	Population (Census,2011)	Affected Population	Percentage
Asharkandi	27,740	4,520	16.3%
Chilaura Holdipur	26,057	7,587	29.1%
Jagannathpur Paurashava	40,699	2,259	5.6%
Kolkolia	31,953	6,538	20.5%
Mirpur	21,364	326	1.5%
Pailgaon	30,117	328	1.1%
Patli	21,383	134	0.6%
Raniganj	36,295	1,468	4.0%
Syedpur Shaharpara	23,882	735	3.1%
Total	259,490	23,895	9.2%

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

Figure 4-8 and Table 4-3 illustrate the damage estimation of the DRR-related important facilities and infrastructures, 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 Chilaura Holdipur Union, are relatively severely affected by the flood. The union is located comparably lower elevation area, thus more prone to flooding.

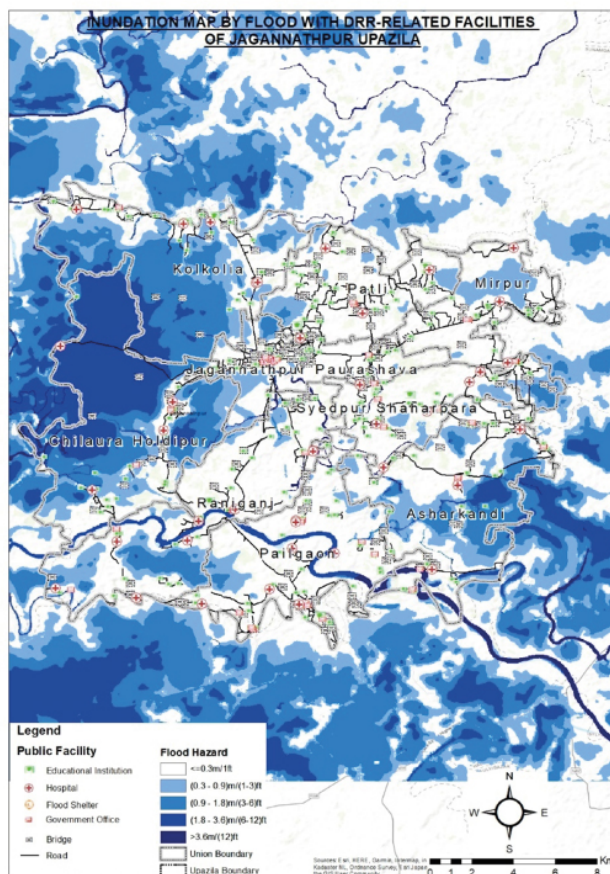


Figure 4-8. Inundation map by flood with DRR-related facilities and infrastructures²

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, Madrasa, 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)	%
Asharkandi	43,378.9	2,666.6	6.1%	32	4	12.5%	14	1	7.1%
Chilaura Holdipur	28,173.4	11,659.3	41.4%	31	8	25.8%	14	6	42.9%
Jagannathpur Paurashava	65,852.9	332.4	0.5%	39	1	2.6%	51	1	2.0%
Kolkolia	25,568.2	0.0	0.0%	35	3	8.6%	14	4	28.6%
Mirpur	42,776.5	1,391.7	3.3%	29	0	0.0%	14	3	21.4%
Pailgaon	41,047.1	0.0	0.0%	59	0	0.0%	31	1	3.2%
Patli	41,887.8	0.0	0.0%	38	0	0.0%	32	0	0.0%
Raniganj	32,541.0	1,283.8	3.9%	47	0	0.0%	15	1	6.7%
Syedpur Shaharpara	10,499.7	0.0	0.0%	41	2	4.9%	12	0	0.0%

4.1.2 Earthquake Shaking

The risk of earthquake shaking is high due to inadequate seismic resistant buildings in Jagannathpur Upazila. Figure 4-9 and Table 4-5 show that Jagannathpur Paurashava having the largest population in Sunamganj District, is most affected by the earthquake shaking, followed by Raniganj and Kolkolia Unions. The ratio of the affected households is highest in Kolkolia Union.

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

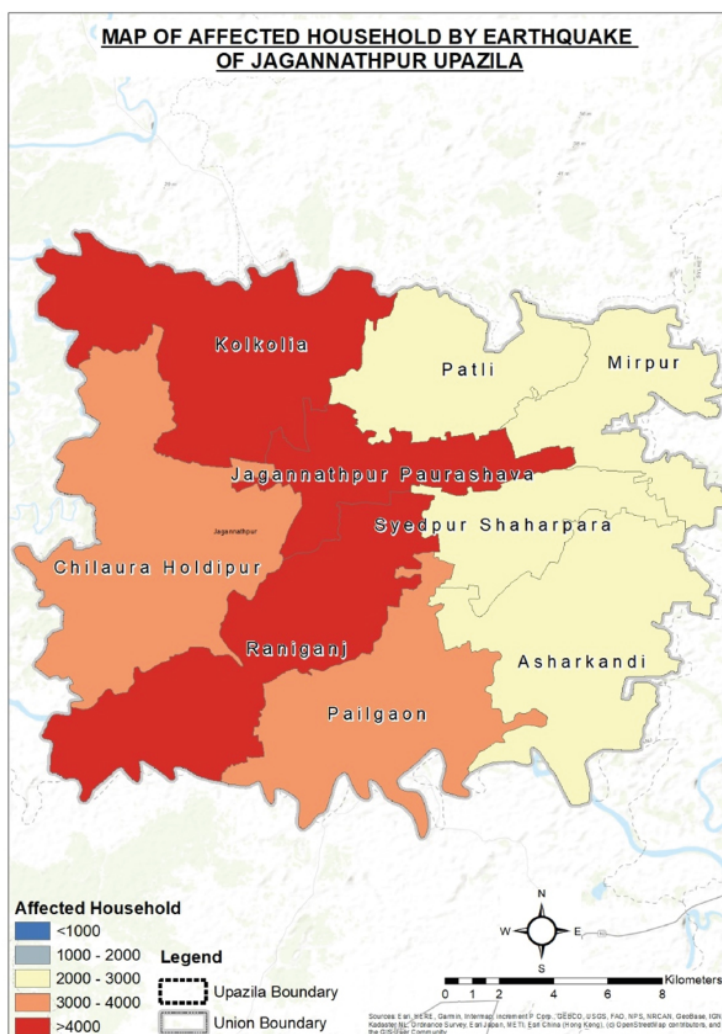


Figure 4-9. Number of Affected Households

- 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.

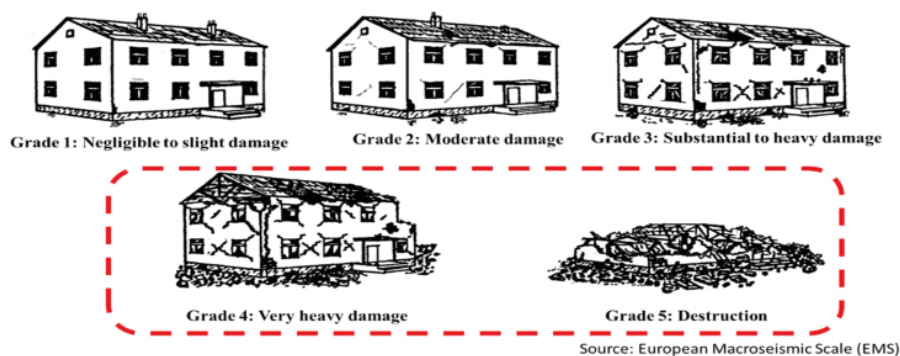


Figure 4-10. Building Damage Degree

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

	Number of Households	Percentage of Type of Structure			
		Pucca	Semi_pucca	Kutcha	Jhupri
Asharkandi	4,324	13.9	29.8	54.3	2.1
Chilaura Holdipur	4,280	10.8	15.6	72.1	1.5
Jagannathpur Paurashava	6,837	23.1	18.0	56.0	2.9
Kolkolia	5,489	10.2	13.5	74.8	1.5
Mirpur	3,318	28.0	17.8	52.4	1.8
Pailgaon	4,951	5.8	27.4	63.8	3.0
Patli	3,501	23.7	17.1	58.4	0.9
Raniganj	6,021	18.3	17.6	61.5	2.6
Syedpur Shaharpara	3,775	25.0	23.7	50.8	0.6
Jagannathpur Upazila Total	42,496	17.6	20.1	60.5	1.9

Table 4-5. Affected Household by Earthquake Shaking

Union	Households (Census,2011)	Affected Households	Percentage
Asharkandi	4324	2955	68.3
Chilaura Holdipur	4280	3208	74.9
Jagannathpur Paurashava	6837	4599	67.3
Kolkolia	5489	4174	76.0
Mirpur	3318	2158	65.0
Pailgaon	4951	3630	73.3
Patli	3501	2367	67.6
Raniganj	6021	4254	70.7
Syedpur Shaharpara	3775	2443	64.7

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. Kolkolia is included in priority unions of both flood and earthquake shaking since it has relatively a much larger affected population and lands compared with other Upazilas.

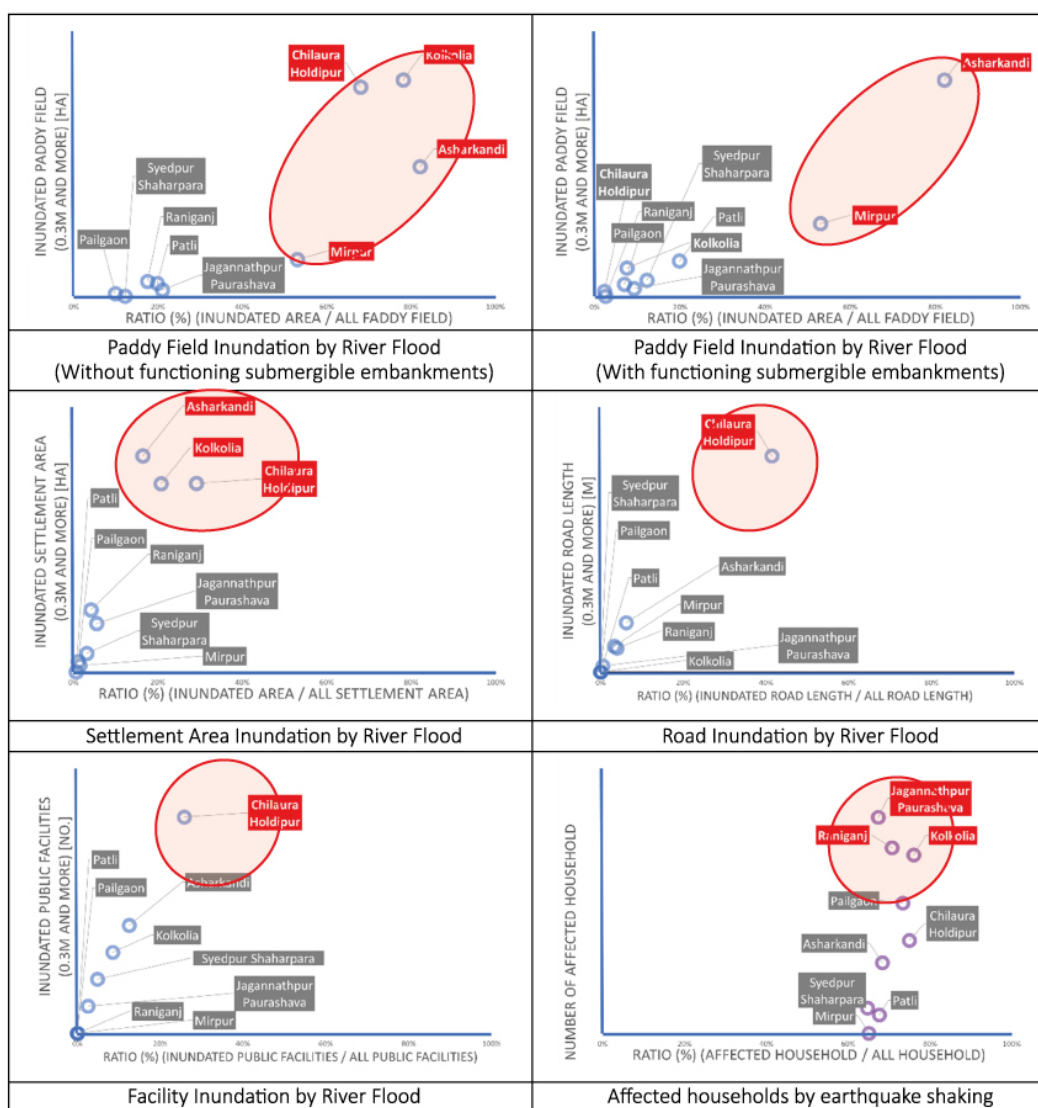


Figure 4-11. Relation between Affected Area or Population and its Ratio

Table 4-6. Priority Unions for Disaster

Disaster	Priority Union
Flood	Asharkandi*, Mirpur*, Chilaura Holdipur, Kolkolia
Earthquake Shaking	Jagannathpur Paurashava, Kolkolia, Raniganj

*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 this 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**
 - Asharkandi Union
 - Mirpur Union
 - Chilaura Haldipur Union
 - Kolkolia Union
 - 2) Promotion of countermeasures to **prevent building collapse by earthquake shaking**
 - Jagannathpur Paurashava
 - Raniganj Union
 - Kolkolia Union
 - 3) Promotion of improvement of the infrastructure **for emergency operation**
 - Asharkandi Union
 - Mirpur Union
 - Chilaura Haldipur Union
 - Jagannathpur Paurashava
 - Raniganj Union
 - Kolkolia Union
- (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
 - Asharkandi Union
 - Mirpur Union
 - Chilaura Haldipur Union
 - Jagannathpur Paurashava
 - Raniganj Union
 - Kolkolia Union
 - 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 some 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	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 /Paurashava
	Canal Excavation and other river improvements (Widening and Deepening)	✓	BWDB/LGED
	Sluice gates	✓	BWDB/LGED
	Retarding Basin/Reservoir	Not undertaken	BWDB
	Drainage Facilities (Pumping Station etc)	Not undertaken	Paurashava/DPHE/ BWDB
Structural Measures against Earthquake Shaking	Rubber Dam	✓	BWDB/LGED
	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
Infrastructure for Emergency	Building Assessment (Seismic Diagnosis)	Unknown	PWD
	Retrofitting of important facilities and Infrastructures	Not undertaken	LGED/PWD/ Paurashava /DDM
Infrastructure for Emergency	Shelter: Shelters (22 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. Jagannathpur Paurashava copes with the challenges of installing and rehabilitating drainage systems in urban areas. For rural areas, DPHE is responsible for the development of the required drainage systems to prevent the secondary effects of the disaster.</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/Mujib Killah	✓	DDM/Paurashava/LGED
	Roads	✓	DDM/LGED/Paurashava
	Bridges	✓	
	Culverts	✓	
	Drains	✓	DPHE/Paurashava
Infrastructures for Prevention of Other Disasters (Lightning, etc)	Facilities for Water [Tube well, Pipeline and sanitation (Latrine)]	✓	DPHE/NGOs
	There have been some cases of lightning disasters. However, no measures are taken in most of the area.		
	Type	Undertaken	Agency
	Lightning Arrester	Unknown	DDM/

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	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.		
	Type	Undertaken	Agency
	Installation of Monitoring System of Rainfall & Water Level	✓	BMD/BIWTA/BWDB /DDM

Category	Current status of countermeasures by type		
	Flood Forecasting and Warning System, including community radio	✓	BWDB FFWC/
	Telecommunication system for search and rescue	✓	BTRC/DDM
Disaster Management Training and Materials	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.		
	Type	Undertaken	Agency
	Preparation of SOP for emergency operation	Unknown	DDM/Donor
	Simulation and Exercise	Unknown	DDM/FSCD
	Evacuation drill / Shelter and evacuation route	Unknown	DDM/FSCD/UzDMC
	Training on DRR	Unknown	DDM
	Preparation for emergency operation	✓	DDM/FSCD/ DGHS
Raising Public Awareness & 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/FSCD/ 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 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 the 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 flood

As shown in the flood hazard map in Chapter 3.1.1. and the flood risk assessment results in Chapter 4.1.1, Asharkandi is the most flood prone Union 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 Kushiya 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 Chilaura Holdipur, Mirpur and Kolkolia 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 are 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 1.

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.

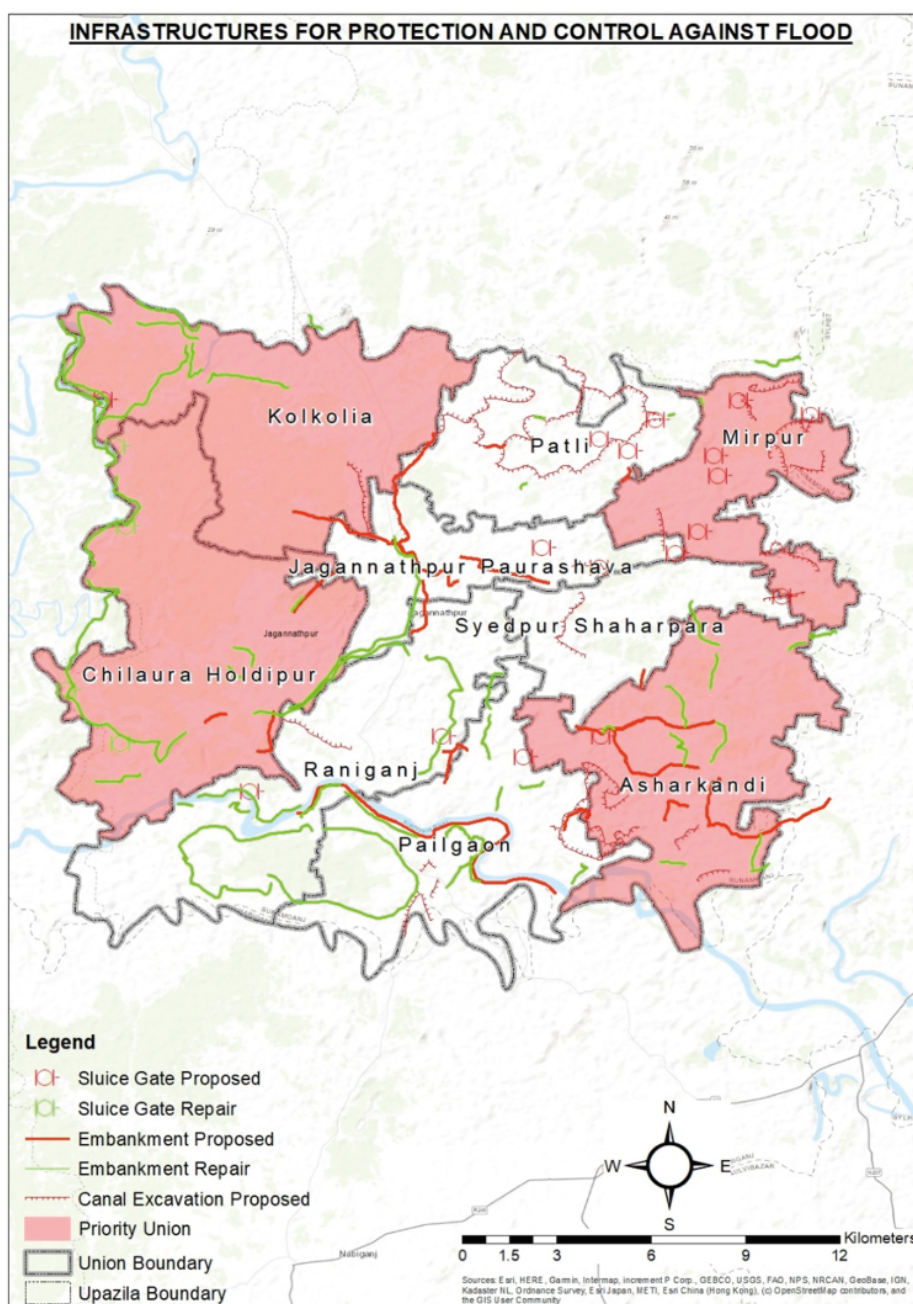


Figure 5-1. Priority Union for Countermeasure to Reduce Risk by Flood

(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 BNBC2020 with official instructions and monitoring when constructing new buildings.

(3) Infrastructures for Emergency Operations

According to the risk assessment results, Asharkandi, Mirpur, Chilaura Haldipur, Jagannathpur Paurashava, Raniganj, Kolkolia 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 Aserkandi UP-Kalnirchar Bazar Road (LGED-ID: 690473017), and the 3 Nos. bridge in different Chainage [Ch:1+450 km, Ch:2+200 km, Ch:3+750 km] at Aserkandi UP-Kalnirchar Bazar (LGED-ID: 690473017), 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 leads to smooth recovery and to consequently mitigate infectious diseases.

The category of the project for infrastructures for emergency operations is 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.

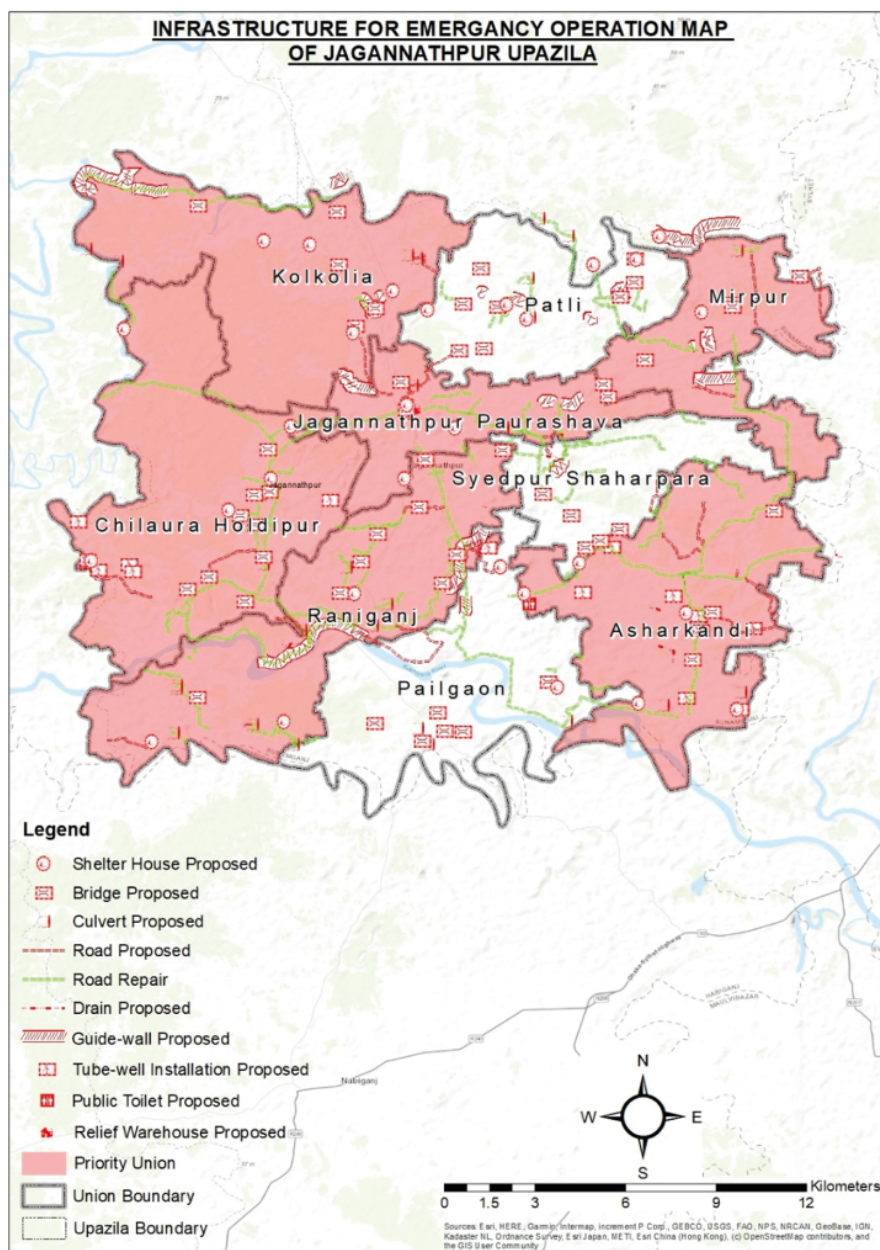


Figure 5-2. Location of Infrastructures for emergency operation

(4) Infrastructures for Prevention of Other disasters

a) Lightening Conductor

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 improving 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 some 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 also 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 Chapter 5.2 and Attachment 1.

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.

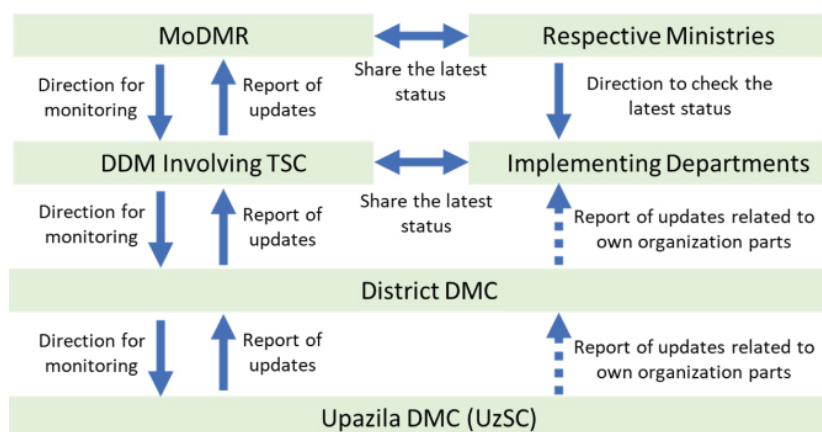


Figure 5-3. Conceptual diagram for monitoring and updating the plan

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(km)	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
ASH-EMB-30	3.11 km Embankment New Construction	Asharkandi	3.11	-	Dhawrai to Paruwar Haor	Undecided	3.11 km Embankment New Construction (Proposed From Community People)	Ward 4,7,8 of Asharkandi Union	94	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ASH-EMB-31	4.97 km Embankment New Construction	Asharkandi	4.97	-	Baro sheoura Jame Mosque to Dhawrai Bazar	Undecided	4.97 km Embankment New Construction (Proposed From Community People)	Ward 4,7 of Asharkandi Union	150	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ASH-EMB-33	3.62 km Embankment New Construction	Asharkandi	3.62	-	Oiyarkona to Langrarbando Dam	Undecided	3.62 km Embankment New Construction (Proposed From Community People)	Ward 5 of Asharkandi Union	109	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ASH-EMB-35	0.56 km Embankment New Construction	Asharkandi	0.56	-	From Kalni char Road to charer Haor	Undecided	0.56 km Embankment New Construction (Proposed From Community People)	Ward 6,9 of Asharkandi Union	17	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ASH-EMB-39	0.65 km Embankment New Construction	Asharkandi	0.65	-	Buraiya Madrasa to satbila Poschimpar	Undecided	0.65 km Embankment New Construction (Proposed From Community People)	Ward 8 of Asharkandi Union	20	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ASH-EMB-42	1.19 km Embankment New Construction	Asharkandi	1.19	-	South side of Patkua Boro Haor to Borak Beel	Undecided	1.19 km Embankment New Construction (Proposed From Community People)	Ward 4,8 of Asharkandi Union	36	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ASH-EMB-47	1.33 km Embankment New Construction	Asharkandi	1.33	-	From West Kalambhar Field to West Millik.	Undecided	1.33 km Embankment New Construction (Proposed From Community People)	Ward 9 of Asharkandi Union	40	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
CHIL-EMB-21	1.49 km Embankment Repair	Chilaura Holdipur	1.49	50270003	Tangua Haor	Continuing	1.49 km Embankment Repair (Proposed From Community People)	Ward 8 of Chilaura Holdipur Union	45	Short Term	High	Need Monitoring the effect from UzSC and TSC
CHIL-EMB-22	1.50 km Embankment Repair	Chilaura Holdipur	1.50	-	Betaoka school to Gazilwala akhtab Ali's House	Undecided	1.50 km Embankment Repair (Proposed From Community People)	Ward 9 of Chilaura Holdipur Union	45	Short Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
JGNP-EMB-61	5.09 km Embankment New Construction	Jagannathpur PaurashavaPaurashava	5.09	-	From North Jagannathpur to municipality Boundary (Both sides of Nalor river).	Undecided	5.09 km Embankment New Construction (Proposed From Community People)	Ward 5,6,7 of Jagannathpur PaurashavaPaurashava	275	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
JGNP-EMB-62	2.18 km Embankment New Construction	Jagannathpur PaurashavaPaurashava	2.18	-	From Jagannathpur C/A Market to Kachi Bilpar	Undecided	2.18 km Embankment New Construction (Proposed From Community People)	Ward 4,6 of Jagannathpur PaurashavaPaurashava	150	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
JGNP-EMB-63	4.70 km Embankment New Construction	Jagannathpur PaurashavaPaurashava	4.70	-	From west Bhabanipur to Khalikh Nagor	Undecided	4.70 km Embankment New Construction (Proposed From Community People)	Ward 8,9 of Jagannathpur PaurashavaPaurashava	300	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
JGNP-EMB-64	2 km Embankment	Jagannathpur PaurashavaPaurashava	2.00	-	From Jattra Pasha to Noya Bazar Kabirpur	Undecided	2 km Embankment New Construction (Proposed From Community People)	Ward 9 of Jagannathpur PaurashavaPaurashava	100	Mid Term	High	UzSC has to request to the BWDB district office, to include the

Attachment 1- 1

ID	Type of Need	Union	Length(km)	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
	New Construction											BWDB development plan considering all technical issues.
JGNP-EMB-65	New Construction	Jagannathpur PaurashavaPaurashava	3.00	-	From South Habibpur to Syadpur.	Continuing	3 km Embankment New Construction (Proposed From Community People)	Ward 4 of Jagannathpur PaurashavaPaurashava	110	Mid Term	Low	Need Monitoring the effect from UzSC and TSC
KAL-EMB-01	1.53 km Embankment Repair	Kolkolia Union	1.53	50210003	Noluar Haor (Polder-1)	Continuing	1.53 km Embankment Repair (Proposed by Community People)	Ward 1 of Kolkolia Union	46	Short Term	High	Need Monitoring the effect from UzSC and TSC
KAL-EMB-06	4.09 km Embankment Repair	Kolkolia Union	4.09	50210003	Noluar Haor (Polder-1)	Continuing	4.09 km Embankment Repair (Proposed From Community People)	Ward 3 of Kolkolia Union	123	Short Term	High	Need Monitoring the effect from UzSC and TSC
KAL-EMB-08	2.57 km Embankment Repair	Kolkolia Union	2.57	50210003	Noluar Haor (Polder-1)	Continuing	2.57 km Embankment Repair (Proposed From Community People)	Ward 1 of Kolkolia Union	77	Short Term	Medium	Need Monitoring the effect from UzSC and TSC
PAL-EMB-49	1.35 km Embankment Repair	Pailgaon	1.35	-	From Md. Latif Member's house to Banglabazar Zayed Mia's shop.	Undecided	1.35 km Embankment Repair (Proposed From Community People)	Ward 7,8 of Pailgaon Union	40	Short Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-EMB-50	0.78 km Embankment Repair	Pailgaon	0.78	-	From Madhupur Sudhir Babu's house to Alauddin Mias house	Undecided	0.78 km Embankment Repair (Proposed From Community People)	Ward 6 of Pailgaon Union	23	Short Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-EMB-52	1.42 km Embankment New Construction	Pailgaon	1.42	-	From the Katia village Graveyard to East Katia Mohit Mias house	Undecided	1.42 km Embankment New Construction(Proposed From Community People)	Ward 9 of Pailgaon Union	43	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-EMB-58	1.03 km Embankment New Construction	Pailgaon	1.03	-	West Hergram Ashabulla House to Md. Sorku Mias House	Undecided	1.03 km Embankment New Construction (Proposed From Community People)	Ward 3 of Pailgaon Union	31	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-EMB-59	1.01 km Embankment New Construction	Pailgaon	1.01	-	Hergram Dukolbari to Raniganj up Boder Md. Jonu Mias House	Undecided	1.01 km Embankment New Construction (Proposed From Community People)	Ward 3 of Pailgaon Union	30	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-EMB-60	0.83 km Embankment Repair	Pailgaon	0.83	-	Hargram kachamia House to Anil Das House	Undecided	0.83 km Embankment Repair (Proposed From Community People)	Ward 3 of Pailgaon Union	2	Short Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-EMB-09	0.67 km Embankment New Construction	Patali	0.67	-	Ashampur Village to Adharkandi Haor	Undecided	0.67 km Embankment New Construction (Proposed From Community People)	Ward 4 of Patali Union	20	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-EMB-12	0.32 km Embankment Repair	Patali	0.32	-	Fojipain Sathal Road to Doluar Haor and Keshabpur Canal	Undecided	0.32 km Embankment Repair (Proposed From Community People)	Ward 6 of Patali Union	10	Short Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
RAN-EMB-24	0.50 km Embankment Repair	Raniganj	0.50	50390003	Suraiya bebiانا Hoar Scheme	Continuing	0.50 km Embankment Repair (Proposed From Community People)	Ward 2 of Raniganj Union	15	Short Term	Low	Need Monitoring the effect from UzSC and TSC

Projects by DDM

ID	Type of Need	Union	Length(km)	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
KAL-EMB-02	Repair & Renovation	Kolkolia Union	2.40	-	Md.Nasir Mia's House in Golakhali to Kamarkhali	New	2.40 km Embankment Repair (Proposed by Community People)	Ward 1,2 of Kolkolia Union	72	Short Term	Low	Detailed Design Required

ID	Type of Need	Union	Length(km)	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
KAL-EMB-03	Repair & Renovation	Kolkolia Union	1.44	-	Shreedhor pasha shelter to Jogodishpur Bridge	New	1.44 km Embankment Repair (Proposed by Community People)	Ward 2,3 of Kolkolia Union	43	Short Term	Low	Detailed Design Required
KAL-EMB-04	Repair & Renovation	Kolkolia Union	0.69	-	Gheepura North Head to Kolkolia Market	New	0.69 km Embankment Repair (Proposed by Community People)	Ward 5 of Kolkolia Union	21	Short Term	Low	Detailed Design Required
KAL-EMB-05	Repair & Renovation	Kolkolia Union	2.71	-	From Sadipur Via Paragaon to Baliakandi Dhalia River Border	New	2.71 km Embankment Repair (Proposed by Community People)	Ward 4,5,6 of Kolkolia Union	81	Short Term	Low	Detailed Design Required
KAL-EMB-07	Repair & Renovation	Kolkolia Union	1.69	-	Jagodishpur to Sadipur	New	1.69 km Embankment New Construction (Proposed From Community People)	Ward 3,4 of Kolkolia Union	51	Mid Term	Low	Detailed Design Required
PAT-EMB-10	Repair & Renovation	Patali	0.29	-	Sonapur road in Ghatia Haor to Patli Chowkbazar Patli womens College	New	0.29 km Embankment Repair (Proposed From Community People)	Ward 5 of Patali Union	9	Short Term	Low	Detailed Design Required
PAT-EMB-11	New Construction	Patali	0.60	-	Boberbazar to baour kapan road via Doluar and Elachi Haor	New	0.60 km Embankment New Construction (Proposed From Community People)	Ward 8 of Patali Union	18	Mid Term	Low	Detailed Design Required
MIR-EMB-13	Repair & Renovation	Mirpur Union	1.50	-	From North Gorgori to lama Toker bazar	New	1.50 km Embankment Repair (Proposed From Community People)	Ward 5 of Mirpur Union	45	Short Term	Low	Detailed Design Required
MIR-EMB-14	Repair & Renovation	Mirpur Union	0.21	-	Hoarkhara to Md. Surab ali's house	New	0.21 km Embankment Repair (Proposed From Community People)	Ward 6 of Mirpur Union	6	Short Term	Low	Detailed Design Required
MIR-EMB-15	Repair & Renovation	Mirpur Union	0.19	-	Lohargaon villages to Md. Montaj ali's house	New	0.19 km Embankment Repair (Proposed From Community People)	Ward 6 of Mirpur Union	6	Short Term	Low	Detailed Design Required
CHIL-EMB-16	Repair & Renovation	Chilaura Holdipur	0.60	-	Chilaura Roarkandi to Jatra pasha through shantir Bazar	New	0.60 km Embankment Repair (Proposed From Community People)	Ward 3 of Chilaura Holdipur Union	2	Short Term	Low	Detailed Design Required
CHIL-EMB-17	Repair & Renovation	Chilaura Holdipur	1.05	-	Chilaura Pandita road to Goldhar Road	New	1.05 km Embankment Repair (Proposed From Community People)	Ward 5 of Chilaura Holdipur Union	32	Short Term	Low	Detailed Design Required
CHIL-EMB-18	Repair & Renovation	Chilaura Holdipur	0.73	-	Sandal Nowyagaon Point to Sandal River Bank	New	0.73 km Embankment Repair & Renovation (Proposed From Community People)	Ward 5 of Chilaura Holdipur Union	22	Short Term	Low	Detailed Design Required
CHIL-EMB-19	New Construction	Chilaura Holdipur	1.74	-	Ismail chock to Raniganj polikona	New	1.74 km Embankment New Construction (Proposed From Community People)	Ward 6 of Chilaura Holdipur Union	52	Mid Term	Low	Detailed Design Required
CHIL-EMB-20	New Construction	Chilaura Holdipur	0.76	-	Bawdhoron main road to Ratna river market	New	0.76 km Embankment New Construction (Proposed From Community People)	Ward 7 of Chilaura Holdipur Union	23	Mid Term	Low	Detailed Design Required
RAN-EMB-23	New Construction	Raniganj	2.05	-	Ghoshgaon Cherag Ali's House to Naljor big bridge	New	2.05 km Embankment New Construction (Proposed From Community People)	Ward 8 of Raniganj Union	62	Mid Term	Low	Detailed Design Required
RAN-EMB-25	New Construction	Raniganj	4.01	-	Bagmoina Netai Mia's House to Bagmoina Manoruiddin's House	Continuing	4.01 km Embankment New Construction (Proposed From Community People)	Ward 4 of Raniganj Union	121	Mid Term	Low	Need Monitoring the effect from UzSC and TSC
RAN-EMB-26	Repair & Renovation	Raniganj	1.02	-	Balishree Mosque to Balshree Alkas Mia's House	New	1.02 km Embankment Repair (Proposed From Community People)	Ward 3 of Raniganj Union	31	Short Term	Low	Detailed Design Required
RAN-EMB-27	Repair & Renovation	Raniganj	2.03	-	Raniganj kheyaghathi to Noagaon Launchghat	New	2.03 km Embankment Repair (Proposed From Community People)	Ward 3 of Raniganj Union	61	Short Term	Medium	Detailed Design Required
RAN-EMB-28	Repair & Renovation	Raniganj	1.50	-	Shibganj Raniganj Road to Gopaikhali	New	1.50 km Embankment Repair (Proposed From Community People)	Ward 7 of Raniganj Union	45	Short Term	Low	Detailed Design Required
ASH-EMB-29	New Construction	Asharkandi	1.80	-	From Shuklambaharpur Jame Mosque to Jamargaon jame Mosque	New	1.80 km Embankment New Construction (Proposed From Community People)	Ward 4,9 of Asharkandi Union	54	Short Term	High	Detailed Design Required

ID	Type of Need	Union	Length(km)	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
ASH-EMB-32	Repair & Renovation	Asharkandi	1.59	-	Dhawrai Main road to Kattagang	New	1.59 km Embankment Repair (Proposed From Community People)	Ward 4 of Asharkandi Union	48	Short Term	Low	Detailed Design Required
ASH-EMB-34	Repair & Renovation	Asharkandi	1.64	-	From 880 Road to Halukhal Embankment	New	1.64 km Embankment Repair & Renovation (Proposed From Community People)	Ward 4 of Asharkandi Union	49	Short Term	Low	Detailed Design Required
ASH-EMB-36	Repair & Renovation	Asharkandi	0.76	-	From Feci Jame Mosque to Khatib Mazar	New	0.76 km Embankment Repair (Proposed From Community People)	Ward 6 of Asharkandi Union	23	Short Term	Low	Detailed Design Required
ASH-EMB-37	Repair & Renovation	Asharkandi	1.98	-	Tilak Daluar haor to tilak Bazar	New	1.98 km Embankment Repair (Proposed From Community People)	Ward 3 of Asharkandi Union	60	Short Term	Low	Detailed Design Required
ASH-EMB-38	Repair & Renovation	Asharkandi	1.61	-	From Rowdor jame mosque to narayanpur	New	1.61 km Embankment Repair & Renovation (Proposed From Community People)	Ward 4 of Asharkandi Union	49	Short Term	Low	Detailed Design Required
ASH-EMB-40	Repair & Renovation	Asharkandi	0.37	-	From Fecishheora Madrasa to Romaiyattpur	New	0.31 km Embankment Repair (Proposed From Community People)	Ward 7 of Asharkandi Union	11	Short Term	Low	Detailed Design Required
ASH-EMB-41	Repair & Renovation	Asharkandi	0.60	-	North kalanichor west Farm to near Md Hiron Mia's House	New	0.60 km Embankment Repair (Proposed From Community People)	Ward 6 of Asharkandi Union	18	Short Term	Low	Detailed Design Required
ASH-EMB-43	Repair & Renovation	Asharkandi	0.58	-	From Nayabandhar to shreeramsi road frontage	New	0.58 km Embankment Repair & Renovation (Proposed From Community People)	Ward 2 of Asharkandi Union	17	Short Term	Low	Detailed Design Required
ASH-EMB-44	Repair & Renovation	Asharkandi	1.18	-	From new Tilok to old Tilok	New	1.18 km Embankment Repair (Proposed From Community People)	Ward 3 of Asharkandi Union	36	Short Term	Medium	Detailed Design Required
ASH-EMB-45	Repair & Renovation	Asharkandi	1.12	-	North kalanichor Main road to Md. Rohit Mia's House	New	1.12 km Embankment Repair (Proposed From Community People)	Ward 6 of Asharkandi Union	34	Short Term	Low	Detailed Design Required
ASH-EMB-46	Repair & Renovation	Asharkandi	1.01	-	Horipur Md. Hormot Mia's House to Md. Monpur Mia's House	New	1.01 km Embankment Repair (Proposed From Community People)	Ward 2 of Asharkandi Union	30	Short Term	Low	Detailed Design Required
PAL-EMB-48	Repair & Renovation	Pailgaon	2.63	-	From Rasulpur Madrasa Gate to Sonatola Md. Amir Uddin house	New	2.63 km Embankment Repair (Proposed From Community People)	Ward 7 of Pailgaon Union	79	Short Term	Low	Detailed Design Required
PAL-EMB-51	Repair & Renovation	Pailgaon	2.63	-	From west of Jalalpur Graveyard to Syadpur Faruk Mias Fishari	Continuing	2.63 km Embankment Repair (Proposed From Community People)	Ward 7 of Pailgaon Union	79	Short Term	Low	Need Monitoring the effect from UzSC and TSC
PAL-EMB-53	Repair & Renovation	Pailgaon	0.94	-	From Kosba Mosque to East Kosba Mosque	New	0.94 km Embankment Repair (Proposed From Community People)	Ward 8 of Pailgaon Union	28	Short Term	Low	Detailed Design Required
PAL-EMB-54	Repair & Renovation	Pailgaon	0.78	-	Sata to Kadamtala	New	0.78 km Embankment Repair (Proposed From Community People)	Ward 2 of Pailgaon Union	23	Short Term	High	Detailed Design Required
PAL-EMB-55	Repair & Renovation	Pailgaon	1.61	-	Romapotipur to Oiyerdash Teratia Makorkuna	New	1.61 km Embankment Repair (Proposed From Community People)	Ward 1 of Pailgaon Union	49	Short Term	High	Detailed Design Required
PAL-EMB-56	Repair & Renovation	Pailgaon	1.50	-	Kishorpur Kholisha para to Ulukandi Dam	New	1.5 km Embankment Repair (Proposed From Community People)	Ward 1 of Pailgaon Union	45	Short Term	Medium	Detailed Design Required
PAL-EMB-57	Repair & Renovation	Pailgaon	0.77	-	Sata Madrasa to Kushiara river Dam	New	0.77 km Embankment Repair (Proposed From Community People)	Ward 2 of Pailgaon Union	23	Short Term	Low	Detailed Design Required

a) Embankment/dyke – Submergible Embankment

Projects by BWDB

ID	Type of Need	Union	Length(km)	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
BWDB-EMB-66	Re-construction	Kolkolia + Chilaura Holdipur	6.40	-	Noluar Haor (Polder-1)	Continuing	6.40 km Embankment Repair Ongoing (Ch-0-6.400km) rest of Embankment need to rehabilitation(Proposed - BWDB)	Kolkolia + Chilaura Union	230	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-67	Re-construction	Chilaura Holdipur	3.80	-	Noluar Haor (Polder-1)	Continuing	3.80 km Embankment Repair Ongoing (Ch-6.700km-10.500km) rest of Embankment need to rehabilitation(Proposed BWDB)	All ward of Chilaura Holdipur Union	150	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-68	Re-construction	Chilaura Holdipur	11.37	-	Noluar Haor (Polder-1)	Continuing	11.37 km Embankment Repair Ongoing (Ch-10.880km-22.250km) rest of Embankment need to rehabilitation(Proposed BWDB)	All ward of Chilaura Holdipur Union	600	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-69	Re-construction	Chilaura Holdipur	6.55	-	Noluar Haor (Polder-1)	Continuing	6.55km Embankment Repair Ongoing (Ch-27.000km-33.550km) rest of Embankment need to rehabilitation(Proposed BWDB)	All ward of Chilaura Holdipur Union	230	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-70	Re-construction	Raniganj	5.35	-	Noluar Haor (Polder-2)	Continuing	5.35km Embankment Repair Ongoing (Ch-0.00km-5.350km) rest of Embankment need to rehabilitation(Proposed BWDB)	Raniganj Union	220	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-71	Re-construction	Raniganj	4.00	-	Noluar Haor (Polder-2)	Continuing	4.00km Embankment Repair Ongoing (Ch-12.500km-16.500km) rest of Embankment need to rehabilitation(Proposed BWDB)	Raniganj Union	200	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-72	Re-construction	Raniganj	1.10	-	Noluar Haor (Polder-2)	Continuing	1.100km Embankment Repair Ongoing (Ch-26.000km-27.100km) rest of Embankment need to rehabilitation(Proposed BWDB)	Raniganj Union	50	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-73	Re-construction	Raniganj + Pailgaon	5.00	-	Suraiya beblana Hoar Scheme	Continuing	5.00km Embankment Repair Ongoing (Ch-0.00km-5.000km) rest of Embankment need to rehabilitation(Proposed BWDB)	Raniganj & Pailgaon Union	220	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-74	Re-construction	Raniganj + Pailgaon	9.00	-	Suraiya beblana Hoar Scheme	Continuing	9.00km Embankment Repair Ongoing (Ch-7.500km-16.500km) rest of Embankment need to rehabilitation(Proposed BWDB)	Raniganj & Pailgaon Union	430	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-75	Re-construction	Raniganj + Pailgaon	6.50	-	Suraiya beblana Hoar Scheme	Continuing	6.500km Embankment Repair Ongoing (Ch-24.500km-31.000km) rest of Embankment need to rehabilitation(Proposed BWDB)	Raniganj & Pailgaon Union	230	Short Term	High	Need Monitoring the effect from UzSC and TSC
BWDB-EMB-76	Re-construction	Asharkandi + Pailgaon Union	12.00	-	Right bank of Kushiya river	Continuing	12.500km Embankment Repair Ongoing (Ch-6.000km-18.000km) rest of Embankment need to rehabilitation(Proposed BWDB)	Raniganj & Pailgaon Union	460	Short Term	high	Need Monitoring the effect from UzSC and TSC

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

Projects by BWDB

ID	Type of Need	Union	Length(km)	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
PAL-RBPW-01	540m River bank Protection Works	Pailgaon	0.540	-	Khanpur Motor Bari	Continuing	540m River Bank Protection Works (Proposed From BWDB)	Ward 6 of Pailgaon Union	100	Mid Term	High	Need Monitoring the effect from UzSC and TSC
PAL-RBPW-02	270m River bank Protection Works	Pailgaon	0.270	-	Jele Para	Continuing	270m River Bank Protection Works (Proposed From BWDB)	Ward 3 of Pailgaon Union	50	Mid Term	High	Need Monitoring the effect from UzSC and TSC
PAL-RBPW-03	250m River bank Protection Works	Pailgaon	0.250	-	Shapla Brick Field	Continuing	240m River Bank Protection Works (Proposed From BWDB)	Ward 7 of Pailgaon Union	50	Mid Term	High	Need Monitoring the effect from UzSC and TSC
RAN-RBPW-04	320m River bank Protection Works	Raniganj	0.320	-	Balisree	Continuing	320m River Bank Protection Works (Proposed From BWDB)	Ward 3 of Raniganj Union	75	Mid Term	High	Need Monitoring the effect from UzSC and TSC
PAL-RVD-01	Repair & Renovation	Pailgaon	1.14	-	From Terawtia Monnash Mia's house to Makhorkuna Md.Dil Mia's house	Undecided	1.14 km River Dredging (Proposed From Community People)	Ward 2 of Pailgaon Union	215	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KAL-CE-01	Repair & Renovation	Kolkolia Union	2.54	-	Hijla to Islampur	Undecided	2.54 km Canal Excavation (Proposed From Community People)	Ward 9 of Kolkolia Union	479	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-CE-02	Repair & Renovation	Patali	4.51	-	Daukandi in front of Md. Sanaor mias house in Lohargaon via Rasulpur to lama Rosulganj	Undecided	4.51 km Canal Excavation (Proposed From Community People)	Ward 1,7 of Patali Union	853	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-CE-03	Repair & Renovation	Patali	11.23	-	Naljur river to Swarasati river	Undecided	11.23 km Canal Excavation (Proposed From Community People)	Ward 3 of Patali Union	2,122	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-CE-04	Repair & Renovation	Patali	6.32	-	Chakachimpur sawrasati river to dakua river	Undecided	6.32 km Canal Excavation (Proposed From Community People)	Ward 4 of Patali Union	119	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-CE-05	Repair & Renovation	Patali	6.71	-	keshabpur to minajpur konarpara	Undecided	6.71 km Canal Excavation (Proposed From Community People)	Ward 6 of Patali Union	1,268	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-CE-06	Repair & Renovation	Mirpur Union	1.34	-	Boro kapan Bridge to Hafati haor Beel	Undecided	1.34 km Canal Excavation (Proposed From Community People)	Ward 9 of Mirpur Union	252	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-CE-07	Repair & Renovation	Mirpur Union	1.66	-	Baisher canal on west side of Lahori Narayanpur Bridge	Undecided	1.66 km Canal Excavation and Renovation (Proposed From Community People)	Ward 1 of Mirpur Union	313	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-CE-08	Repair & Renovation	Mirpur Union	1.00	-	Hasan Fatempur Cluster Village to Jamaikata Haor	Undecided	1 km Canal Excavation (Proposed From Community People)	Ward 4 of Mirpur Union	189	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

ID	Type of Need	Union	Length(km)	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
MIR-CE-09	Repair & Renovation	Mirpur Union	1.15	-	Atghor east Bridge to Baisghor Canal	Undecided	1.15 km Canal Excavation (Proposed From Community People)	Ward 1,8 of Mirpur Union	217	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-CE-10	Repair & Renovation	Mirpur Union	1.21	-	Takuali Bridge to Satgualia East Bridge	Undecided	1.21 km Canal Excavation (Proposed From Community People)	Ward 3 of Mirpur Union	229	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-CE-11	Repair & Renovation	Mirpur Union	2.41	-	From Dighirpar to Bashibeel	Undecided	2.41 km Canal Excavation (Proposed From Community People)	Ward 3 of Mirpur Union	455	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-CE-12	Repair & Renovation	Mirpur Union	1.75	-	From Purgagarhi to Jamaikata Haor	Undecided	1.75 km Canal Excavation (Proposed From Community People)	Ward 5 of Mirpur Union	330	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-CE-13	Repair & Renovation	Mirpur Union	2.64	-	Athgor to Degree Canal	Undecided	2.64 km Canal Excavation and Renovation (Proposed From Community People)	Ward 1 of Mirpur Union	499	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-CE-14	Repair & Renovation	Mirpur Union	1.07	-	From Bawali river to Magura river	Undecided	1.07 km Canal Excavation (Proposed From Community People)	Ward 8,9 of Mirpur Union	202	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
RAN-CE-15	Repair & Renovation	Raniganj	2.35	-	Garndhabpur primary school to garndhabpur Boro Dohar	Undecided	2.35 km Canal Excavation (Proposed From Community People)	Ward 5 of Raniganj Union	444	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
SDP-CE-16	Repair & Renovation	Syed Pur	3.01	-	Chondi Hedayatpur Catagang from to Magura River	Undecided	3.01 km Canal Excavation (Proposed From Community People)	Ward 1 of Syed Pur Union	568	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ASH-CE-17	Repair & Renovation	Asharkandi	5.03	-	Chumma beel to the Bank of Alam Beel	Undecided	5.03 km Canal Excavation (Proposed From Community People)	Ward 4,8 of Asharkandi Union	950	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ASH-CE-18	Repair & Renovation	Asharkandi	1.00	-	North Kalanichar to west kalanichar	Undecided	1 km Canal Excavation (Proposed From Community People)	Ward 6 of Asharkandi Union	190	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ASH-CE-19	Repair & Renovation	Asharkandi	1.23	-	Mokamer canal DRin to shambupur Mouza	Undecided	1.23 km Canal Excavation (Proposed From Community People)	Ward 9 of Asharkandi Union	232	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-CE-20	Repair & Renovation	Pailgaon	4.64	-	From Aloitol to Katia Hilachi river	Undecided	4.64 km Canal Excavation (Proposed From Community People)	Ward 8 of Pailgaon Union	877	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-CE-21	Repair & Renovation	Pailgaon	0.69	-	From Sonatala East to Amishdar West, Dhakir Canal	Undecided	0.69 km Canal Excavation (Proposed From Community People)	Ward 7 of Pailgaon Union	131	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-CE-22	Repair & Renovation	Pailgaon	2.50	-	Bibiyna River to Kancha River to Daker Haor	Undecided	2.50 km Canal Excavation (Proposed From Community People)	Ward 4 of Pailgaon Union	473	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-CE-23	Repair & Renovation	Pailgaon	0.59	-	Khanpur Ratna Gang to Ghutgaon Dhakir Canal	Undecided	0.59 km Canal Excavation (Proposed From Community People)	Ward 4 of Pailgaon Union	112	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-CE-24	Repair & Renovation	Pailgaon	2.75	-	East kapia Mohit Mias house to west kapia Md. Ataur Rahan House	Undecided	2.75 km Canal Excavation (Proposed From Community People)	Ward 9 of Pailgaon Union	520	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

ID	Type of Need	Union	Length(km)	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
ASH-EXC-01	Repair & Renovation	Asharkandi		-	Oiyarkuna Fewla beel	Undecided	Beel Excavation & Renovation (Proposed From Community People)	Ward 5 of Asharkandi Union	383	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-EXC-02	Repair & Renovation	Pailgaon		-	Gotagaon Gajaria Beel	Undecided	Beel Excavation & Renovation (Proposed From Community People)	Ward 4 of Pailgaon Union	17	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-EXC-03	Repair & Renovation	Pailgaon		-	Gotagaon Fena Dubi Beel	Undecided	Beel Excavation & Renovation (Proposed From Community People)	Ward 4 of Pailgaon Union	21	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KAL-GUI-01	New Construction	Kolkolia Union	1.20	-	Alkanda river to Islampur Village	undecided	1.2km New Guide wall Construction (Proposed From Community People)	Ward 9 of Kolkolia Union	120	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KAL-GUI-02	New Construction	Kolkolia Union	0.87	-	Nadampur to Naser canal	Undecided	0.87 km New Guide wall Construction (Proposed From Community People)	Ward 9 of Kolkolia Union	87	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KAL-GUI-04	New Construction	Kolkolia Union	0.48	-	Guhngiagon-near the bank of Dakua River in Cluster Village	Undecided	0.48 km New Guide wall Construction (Proposed From Community People)	Ward 6 of Kolkolia Union	48	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
KAL-GUI-05	New Construction	Kolkolia Union	2.82	-	Telikuna to Kamarkhal (Douka River)	Undecided	2.82 km New Guide wall Construction (Proposed From Community People)	Ward 1 of Kolkolia Union	282	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-GUI-07	New Construction	Patali	0.11	-	Ratna river bridge to amironesa up members house	undecided	0.11 km New Guide wall Construction (Proposed From Community People)	Ward 8 of Patali Union	11	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-GUI-08	New Construction	Patali	0.35	-	Kobirpur Govt. Primary school to chanpur point	undecided	0.35 km New Guide wall Construction (Proposed From Community People)	Ward 4 of Patali Union	35	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-GUI-10	New Construction	Patali	0.41	-	From Main Road of Moizpur Village to Ratan River	undecided	0.41 km New Guide wall Construction (Proposed From Community People)	Ward 7 of Patali Union	41	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-GUI-11	New Construction	Mirpur Union	1.27	-	From Shreeramshi paved road to west facing road	Undecided	1.27km New Guide wall Construction (Proposed From Community People)	Ward 2 of Mirpur Union	127	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-GUI-12	New Construction	Mirpur Union	1.69	-	From North Garogori LGED road to North Gargori Md. Angur Mia's House	Undecided	1.69 km New Guide wall Construction (Proposed From Community People)	Ward 5 of Mirpur Union	169	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-GUI-13	New Construction	Mirpur Union	0.10	-	From Nazirpur Badsha Mia's House to the western side of Siraj uddin Masters House	Undecided	0.10 km New Guide wall Construction (Proposed From Community People)	Ward 7 of Mirpur Union	10	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-GUI-14	New Construction	Mirpur Union	0.70	-	Both sides of Meghakhali river	Undecided	0.70 km New Guide wall Construction (Proposed From Community People)	Ward 7 of Mirpur Union	70	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
RAN-GUI-15	New Construction	Raniganj	2.01	-	Bagh Moina Ebor Mia's House via Raniganj college to Golap Mia's House	Undecided	2.01 km New Guide wall Construction (Proposed From Community People)	Ward 4 of Raniganj Union	201	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

Attachment 1- 8

ID	Type of Need	Union	Length(km)	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
RAN-GUI-16	New Construction	Raniganj	2.00	-	Shibganj Bazar to Itakula river	Undecided	2 km New Guide wall Construction (Proposed From Community People)	Ward 7 of Raniganj Union	200	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
RAN-GUI-17	New Construction	Raniganj	0.50	-	Shibganj bazar to shibganj kaptan mia's house	undecided	0.50 km New Guide wall Construction (Proposed From Community People)	Ward 9 of Raniganj Union	50	Mid Term	Low	UzSC has 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
PAT-SLU-01	New Construction	Patali	-	Lohargaon Bhalarpura	Undecided	6.10m New Sluice Gate Construction (Proposed From Community People)	Ward 9 of Patali Union	135	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-SLU-02	New Construction	Patali	-	Between Ashampur Probha korpur Road	Undecided	9.14m New Sluice Gate Construction (Proposed From Community People)	Ward 4 of Patali Union	900	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-SLU-03	New Construction	Patali	-	Baur khapan Rasulganj Road on Bau khali River	Undecided	6.10m New Sluice Gate Construction (Proposed From Community People)	Ward 8 of Patali Union	900	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAT-SLU-04	New Construction	Patali	-	Baukhali Canal Doripunjpur	Undecided	6.10m New Sluice Gate Construction (Proposed From Community People)	Ward 7 of Patali Union	1,350	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-SLU-05	New Construction	Patali	-	At lahori Nowagaon Village	Undecided	30.48m New Sluice Gate Construction (Proposed From Community People)	Ward 5 of Patali Union	1,800	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-SLU-06	New Construction	Mirpur Union	-	Canal on Nasirpur Village Road	Undecided	18.29m New Sluice Gate Construction (Proposed From Community People)	Ward 4 of Mirpur Union	1,800	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-SLU-07	New Construction	Mirpur Union	-	At Hapati Haor Dhalar Mukh	Undecided	9.12m New Sluice Gate Construction (Proposed From Community People)	Ward 2 of Mirpur Union	900	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-SLU-08	New Construction	Mirpur Union	-	At Katagang sathal	Undecided	9.14m New Sluice Gate Construction (Proposed From Community People)	Ward 3 of Mirpur Union	1,350	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-SLU-09	New Construction	Mirpur Union	-	At hasanfatema Atalu Cluster village	Undecided	12.19m New Sluice Gate Construction (Proposed From Community People)	Ward 4 of Mirpur Union	900	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-SLU-10	New Construction	Mirpur Union	-	Near Hoder Canal	undecided	13.72m New Sluice Gate Construction (Proposed From Community People)	Ward 9 of Mirpur Union	450	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
MIR-SLU-11	New Construction	Mirpur Union	-	Near Hafiz khal	Undecided	18.29m New Sluice Gate Construction (Proposed From Community People)	Ward 4 of Mirpur Union	1,350	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
CHIL-SLU-12	New Construction	Chilaura Holdipur	-	Talebadaha Nearby Kharmarkhal	undecided	39.62m New Sluice Gate Construction (Proposed From Community People)	Ward 1 of Chilaura Holdipur Union	1,350	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
RAN-SLU-13	New Construction	Raniganj	-	Near Rajun Mia's house on Bagmaina Holikona road	undecided	18.29m New Sluice Gate Construction (Proposed From Community People)	Ward 4 of Raniganj Union	1,350	Mid Term	High	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
RAN-SLU-14	New Construction	Raniganj	-	At a place called Gopakhal	Undecided	18.29m New Sluice Gate Construction (Proposed From Community People)	Ward 7 of Raniganj Union	1,350	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.

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
SDP-SLU-15	New Construction	Syed Pur	-	In the catagang on eastern side of Magura river	Undecided	12.19m New Sluice Gate Construction (Proposed From Community People)	Ward 1 of Syed Pur Union	1,350	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
ASH-SLU-16	New Construction	Asharkandi	-	Near Dhawrai Singer Bill	Undecided	27.43m New Sluice Gate Construction (Proposed From Community People)	Ward 4,8 of Asharkandi Union	2,250	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
PAL-SLU-17	New Construction	Pailgaon	-	Middle of makarkona to Doyalnagar Road	undecided	36.58m New Sluice Gate Construction (Proposed From Community People)	Ward 2 of Pailgaon Union	2,250	Mid Term	Low	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
JGNP-SLU-18	New Construction	Jagannathpur Paurashava	-	Pinglar Haor Cremation Ghat	undecided	12.19m New Sluice Gate Construction (Proposed From Community People)	Ward 6 of Jagannathpur Paurashava	300	Mid Term	Medium	UzSC has to request to the BWDB district office, to include the BWDB development plan considering all technical issues.
CHIL-REGU-19	Repair & Renovation	Chilaura Holdipur	2912020 /STR000 1	Betauka Regulator, Holdipur	Continuing	5/2.00 X 5.00 Vent/ Barrel Repair & Renovation Regulator (Proposed From BWDB)	Ward 9 of Chilaura Holdipur Union	300	Mid Term	High	Need Monitoring the effect from UzSC and TSC
CHIL-REGU-20	Repair & Renovation	Chilaura Holdipur	2912020 /STR000 2	Boudharan Regulator, Holdipur	Continuing	1/1.50 X 1.80 Vent/ Barrel Repair & Renovation Regulator (Proposed From BWDB)	Ward 7 of Chilaura Holdipur Union	300	Mid Term	High	Need Monitoring the effect from UzSC and TSC
JGNP-REGU-21	Repair & Renovation	Jagannathpur Paurashava	2912020 /STR000 3	Alkana Regulator, JGNP Paurashava	Continuing	5/2.00 X 5.00 Vent/ Barrel Repair & Renovation Regulator (Proposed From BWDB)	Ward 6 of Jagannathpur Paurashava	300	Mid Term	High	Need Monitoring the effect from UzSC and TSC
CHIL-REGU-22	Repair & Renovation	Chilaura Holdipur	2912020 /STR000 4	Hamhamia Regulator, Burakhali	Continuing	4/2.00 X 5.00 Vent/ Barrel Repair & Renovation Regulator (Proposed From BWDB)	Ward 1 of Chilaura Holdipur Union	300	Mid Term	High	Need Monitoring the effect from UzSC and TSC
CHIL-REGU-23	Repair & Renovation	Chilaura Holdipur	2912020 /STR000 5	Monaikhali Regulator, Noyachilaura	Continuing	1/1.50 X 1.80 Vent/ Barrel Repair & Renovation Regulator (Proposed From BWDB)	Ward 1 of Chilaura Holdipur Union	300	Mid Term	High	Need Monitoring the effect from UzSC and TSC
CHIL-REGU-24	Repair & Renovation	Chilaura Holdipur	2912026 /STR000 6	kurakhal Pipe Sluice, Shaldegah	Continuing	1/0.90 Vent/ Barrel Repair & Renovation Regulator (Proposed From BWDB)	Ward 8 of Chilaura Holdipur Union	300	Mid Term	High	Need Monitoring the effect from UzSC and TSC

3. Infrastructures for Emergency Operations

a) Shelters

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
KAL-SHEL-02	New Construction	Kolkolia Union	-	At Hijla Village	New	New Flood Shelter Construction (Proposed From Community People)	Ward 9 of Kolkolia Union	400	Mid Term	Low	Detailed Design Required
PAT-SHEL-03	New Construction	Patali	-	At sulemanpur	New	New Flood Shelter Construction (Proposed From Community People)	Ward 5 of Patali Union	400	Mid Term	Medium	Detailed Design Required
PAT-SHEL-06	New Construction	Patali	-	Dalmansagram	New	New Flood Shelter Construction (Proposed From Community People)	Ward 7 of Patali Union	400	Mid Term	Low	Detailed Design Required
PAT-SHEL-07	New Construction	Patali	-	At alipur Village	New	New Flood Shelter Construction (Proposed From Community People)	Ward 3 of Patali Union	400	Mid Term	Low	Detailed Design Required
PAT-SHEL-08	New Construction	Patali	-	Nearby east Rasulpur shahi Eidgahh	New	New Flood Shelter Construction (Proposed From Community People)	Ward 1 of Patali Union	400	Mid Term	Low	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
MIR-SHEL-10	New Construction	Mirpur Union	-	Dewan khali village	New	New Flood Shelter Construction (Proposed From Community People)	Ward 5 of Mirpur Union	400	Mid Term	Low	Detailed Design Required
CHIL-SHEL-11	New Construction	Chilaura Holdipur	-	Nalua Nowyagaon Village	New	New Flood Shelter Construction (Proposed From Community People)	Ward 1 of Chilaura Holdipur Union	400	Mid Term	High	Detailed Design Required
CHIL-SHEL-12	New Construction	Chilaura Holdipur	-	North Rasulpur Village	New	New Flood Shelter Construction (Proposed From Community People)	Ward 2 of Chilaura Holdipur Union	400	Mid Term	Low	Detailed Design Required
CHIL-SHEL-13	New Construction	Chilaura Holdipur	-	At Sandal village	New	New Flood Shelter Construction (Proposed From Community People)	Ward 1,5 of Chilaura Holdipur Union	400	Mid Term	Medium	Detailed Design Required
CHIL-SHEL-14	New Construction	Chilaura Holdipur	-	Betaoka Gaziwala Village	New	New Flood Shelter Construction (Proposed From Community People)	Ward 9 of Chilaura Holdipur Union	400	Mid Term	Low	Detailed Design Required
RAN-SHEL-15	New Construction	Raniganj	-	At Garndabpur village	New	New Flood Shelter Construction (Proposed From Community People)	Ward 5 of Raniganj Union	400	Mid Term	Medium	Detailed Design Required
ASH-SHEL-17	New Construction	Asharkandi	-	At Kodomtola village.	New	New Flood Shelter Construction (Proposed From Community People)	Ward 7 of Asharkandi Union	400	Mid Term	Medium	Detailed Design Required
PAL-SHEL-18	New Construction	Pailgaon	-	Doyalnagar East Area to Rasulpur	New	New Flood Shelter Construction (Proposed From Community People)	Ward 2 of Pailgaon Union	400	Mid Term	Medium	Detailed Design Required
CHIL-SHEL-28 (Additional)	New Construction	Chilaura Holdipur	-	Chilaura High School Flood Shelter	New	New Flood Shelter Construction (Proposed From PIO)	Ward 4 of Chilaura Holdipur Union	400	Mid Term	High	Detailed Design Required
KAL-SHEL-29 (Additional)	New Construction	Kolkolia Union	-	Alhaj Rafique Miah Primary School Parargaon	New	New Flood Shelter Construction (Proposed From PIO)	Ward 5 of Kolkolia Union	400	Mid Term	High	Detailed Design Required

Projects by Jagannathpur 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
JGNP-SHEL-20	New Construction	Jagannathpur PaurashavaPaurashava	-	Near Habibpur Beel Par	New	New Flood Shelter Construction (Proposed From Community People)	Ward 7 of Jagannathpur PaurashavaPaurashava	500	Mid Term	Medium	Detailed Design Required
JGNP-SHEL-21	New Construction	Jagannathpur PaurashavaPaurashava	-	Habibnagar Village	New	New Flood Shelter Construction (Proposed From Community People)	Ward 7 of Jagannathpur PaurashavaPaurashava	500	Mid Term	Medium	Detailed Design Required
JGNP-SHEL-22	New Construction	Jagannathpur PaurashavaPaurashava	-	Near Jatrapasha Creamtion Ghat	New	New Flood Shelter Construction (Proposed From Community People)	Ward 9 of Jagannathpur PaurashavaPaurashava	500	Mid Term	Low	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
KAL-SHEL-01	New Construction	Kolkolia Union	-	Baliakandi Notunpara	New	New Flood Shelter Construction (Proposed From Community People)	Ward 6 of Kolkolia Union	400	Mid Term	Medium	Detailed Design Required
PAT-SHEL-04	New Construction	Patali	-	Sera Mohammadpur	New	New Flood Shelter Construction (Proposed From Community People)	Ward 3 of Patali Union	400	Mid Term	Low	Detailed Design Required
PAT-SHEL-05	New Construction	Patali	-	At Lohargaon	New	New Flood Shelter Construction (Proposed From Community People)	Ward 9 of Patali Union	400	Mid Term	Medium	Detailed Design Required
PAT-SHEL-09	New Construction	Patali	-	Nearby Kobirpur Govt. Primary school	New	New Flood Shelter Construction (Proposed From Community People)	Ward 4 of Patali Union	400	Mid Term	Low	Detailed Design Required
ASH-SHEL-16	New Construction	Asharkandi	-	South side of dhawari Jame Mosque	New	New Flood Shelter Construction (Proposed From Community People)	Ward 4 of Asharkandi Union	400	Mid Term	High	Detailed Design Required
PAL-SHEL-19	New Construction	Pailgaon	-	Nearby Romapotipur Government Primary School	New	New Flood Shelter Construction (Proposed From Community People)	Ward 1 of Pailgaon Union	400	Mid Term	Medium	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
RAN-SHEL-23 (Additional)	New Construction	Raniganj	-	Megharkandi/Horinakandi Govt. Primary School	New	New Flood Shelter Construction (Proposed From PIO)	Ward 1 of Raniganj Union	400	Mid Term	High	Detailed Design Required
RAN-SHEL-24 (Additional)	New Construction	Raniganj	-	Joyanagar Govt. Primary School	New	New Flood Shelter Construction (Proposed From PIO)	Ward 1 of Raniganj Union	400	Mid Term	High	Detailed Design Required
ASH-SHEL-25 (Additional)	New Construction	Asharkandi	-	Boro Feshi Govt. Primary School	New	New Flood Shelter Construction (Proposed From PIO)	Ward 9 of Asharkandi Union	400	Mid Term	High	Detailed Design Required
PAL-SHEL-27 (Additional)	New Construction	Pailgaon	-	Katia Govt. Primary School	New	New Flood Shelter Construction (Proposed From PIO)	Ward 8 of Pailgaon Union	400	Mid Term	High	Detailed Design Required
ASH-SHEL-26 (Additional)	New Construction	Asharkandi	-	Sheora Govt. Primary School	New	New Flood Shelter Construction (Proposed From PIO)	Ward 8 of Asharkandi Union	400	Mid Term	High	Detailed Design Required

b) Roads

Projects by DDM

ID	Type of Need	Union	Length(km)	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
KAL-RD-01	Repair & Renovation	Kolkolia Union	0.05	-	Kolkolia Telikona Main Road to Sridiharpur Pasha Primary School	New	0.05 km Road Repair (Proposed From Community People)	Ward 2 of Kolkolia Union	3	Mid Term	Medium	Detailed Design Required
CHIL-RD-15	Repair & Renovation	Chilaura Holdipur	0.23	-	Dula Mis's House to Misbaha House	New	0.23 km Road Repair & Renovation (Proposed From Community People)	Ward 2 of Chilaura Holdipur Union	45	Mid Term	Medium	Detailed Design Required
RAN-RD-20	New Construction	Raniganj	0.28	-	Kamarakhai Primary school to the north of meherun Basha's House	New	0.28 km Road New Construction (Proposed From Community People)	Ward 1 of Raniganj Union	14	Mid Term	Low	Detailed Design Required
RAN-RD-21	Repair & Renovation	Raniganj	1.60	-	Hilalpur main road to north field of Hilalpur village	New	1.60 km Road Repair (Proposed From Community People)	Ward 1 of Raniganj Union	80	Mid Term	High	Detailed Design Required
RAN-RD-22	Repair & Renovation	Raniganj	0.66	-	Islampur Mosque to megarkandi village road	New	0.66 km Road Repair (Proposed From Community People)	Ward 1 of Raniganj Union	33	Mid Term	Low	Detailed Design Required
RAN-RD-23	Repair & Renovation	Raniganj	0.56	-	Ghoshgaon shibganj main road to janata Bazar Hafizia Madrasah	New	0.56 km Road Repair (Proposed From Community People)	Ward 8 of Raniganj Union	28	Mid Term	Medium	Detailed Design Required
RAN-RD-25	Repair & Renovation	Raniganj	1.33	-	Royail Bachit Mia's House to Embankment	New	1.33 km Road Repair(Proposed From Community People)	Ward 2 of Raniganj Union	67	Mid Term	Low	Detailed Design Required
RAN-RD-26	Repair & Renovation	Raniganj	0.21	-	Royail Dam to Kalachan Devotar Sthan	New	0.21 km Road Repair & Renovation (Proposed From Community People)	Ward 2 of Raniganj Union	10	Mid Term	Low	Detailed Design Required
RAN-RD-27	Repair & Renovation	Raniganj	0.21	-	Royail main road to Barik Mia's House	New	0.21 km Road Repair & Renovation (Proposed From Community People)	Ward 2 of Raniganj Union	11	Mid Term	Low	Detailed Design Required
RAN-RD-28	Repair & Renovation	Raniganj	0.74	-	From Royail Motin Mia's House to Tajul Haque's House	New	0.74 km Road Repair (Proposed From Community People)	Ward 2 of Raniganj Union	37	Mid Term	High	Detailed Design Required
RAN-RD-29	Repair & Renovation	Raniganj	0.56	-	Ebor Mia's House to Swajanshree Main Road	New	0.56 km Road Repair & Renovation (Proposed From Community People)	Ward 4 of Raniganj Union	28	Mid Term	Low	Detailed Design Required
RAN-RD-32	Repair & Renovation	Raniganj	0.51	-	From Nazrul Mia's house in Anaptur village to paved road	New	0.51 km Road Repair & Renovation (Proposed From Community People)	Ward 6 of Raniganj Union	25	Mid Term	Low	Detailed Design Required

ID	Type of Need	Union	Length(km)	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
RAN-RD-33	Repair & Renovation	Raniganj	1.66	-	Brahmangaon to katagang	New	1.66 km Road Repair & Renovation (Proposed From Community People)	Ward 6 of Raniganj Union	83	Mid Term	High	Detailed Design Required
RAN-RD-34	Repair & Renovation	Raniganj	3.04	-	Narkeltola abul kashem's house to katagang	Continuing	3.04 km Road Repair (Proposed From Community People)	Ward 6 of Raniganj Union	152	Mid Term	High	Need Monitoring the effect from UzSC and TSC
RAN-RD-35	Repair & Renovation	Raniganj	1.03	-	Intaj Ullah's house to Gardndhabpur Primary school	New	1.03 km Road Repair & Renovation (Proposed From Community People)	Ward 6 of Raniganj Union	51	Mid Term	Low	Detailed Design Required
SDP-RD-39	Repair & Renovation	Syed Pur	1.37	-	West Bridge front of sayedpur pilot high school to east side of Fahim Mia's House	New	1.37 km Road Repair & Renovation (Proposed From Community People)	Ward 1 of Syed Pur Union	274	Mid Term	Low	Detailed Design Required
SDP-RD-41	Repair & Renovation	Syed Pur	1.06	-	West Chondi Hedayatpur graveyard to Hedayatpur Hamid Mia's House	New	1.06 km Road Repair (Proposed From Community People)	Ward 9 of Syed Pur Union	211	Mid Term	Low	Detailed Design Required
SDP-RD-42	Repair & Renovation	Syed Pur	2.17	-	Sayedpur Poschim para Jamtola Bridge to Kochupani west of kaptan Mia's House in Daluar Haor	Continuing	2.17 km Road Repair (Proposed From Community People)	Ward 2 of Syed Pur Union	434	Mid Term	Medium	Need Monitoring the effect from UzSC and TSC
SDP-RD-43	New Construction	Syed Pur	0.32	-	West sayedpur from in front of kazibari to Gualgaon Lilu Mia's House	New	0.32 km Road New Construction (Proposed From Community People)	Ward 1 of Syed Pur Union	64	Mid Term	Low	Detailed Design Required
PAL-RD-45	Repair & Renovation	Pailgaon	0.38	-	Oloi toli Talib uddin house to Oloi toli Graveyard	New	0.38 km Road Repair & Renovation (Proposed From Community People)	Ward 8 of Pailgaon Union	76	Mid Term	Low	Detailed Design Required
PAL-RD-46	Repair & Renovation	Pailgaon	0.68	-	From East katiya Md.Abdul Hai sahib's house to East katiya graveyard	New	0.68 km Road Repair & Renovation (Proposed From Community People)	Ward 9 of Pailgaon Union	135	Mid Term	High	Detailed Design Required
PAL-RD-47	Repair & Renovation	Pailgaon	0.41	-	From Oloi toli graveyard to Talib Uddin Mia's house.	New	0.41 km Road Repair & Renovation (Proposed From Community People)	Ward 8 of Pailgaon Union	82	Mid Term	Low	Detailed Design Required
PAT-RD-48 (Additional)	Repair & Renovation	Patali	2.50	-	Aralia Main road to Sachayani Uttar para Md.Abdul Jalil's House	New	2.5km HBB Road Renovation (Proposed From PIO)	Ward 3 of Patali Union	2	Mid Term	High	Detailed Design Required

Projects by Jagannathpur Paurashava

ID	Type of Need	Union	Length(km)	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
JGNP-RD-49	New Construction	Jagannathpur PaurashavaPaurashava	2.00	-	Kesobpur Bazar to Bari Jagannathpur Via Purbopara Mosque	New	2km New Road Construction (Proposed From Community People)	Ward 3,5 of Jagannathpur PaurashavaPaurashava	60	Mid Term	High	Detailed Design Required
JGNP-Rd-50	New Construction	Jagannathpur PaurashavaPaurashava	1.00	-	Kesobpur Boraka Road to Hobpur Koumi Maddrasa	New	1km New Road Construction (Proposed From Community People)	Ward 3 of Jagannathpur PaurashavaPaurashava	30	Mid Term	Low	Detailed Design Required

Projects by LGED

ID	Type of Need	Union	Length(km)	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
PAT-RD-02	Repair & Renovation	Patali	2.84	690474039	Keshabpur (UZR) - Rasulganj Bazar via Aralia Bazar road	New	2.84 km Road Rehabilitation (Proposed From Community People)	Ward 1 of Patali Union	568	Mid Term	High	Detailed Design Required

ID	Type of Need	Union	Length(km)	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
PAT-RD-03	Repair & Renovation	Patali	2.02	690474066	Sathal-Sonapur via Kabirpur P/S.	New	2.02 km Road Rehabilitation (Proposed From Community People)	Ward 4 of Patali Union	404	Mid Term	High	Detailed Design Required
PAT-RD-04	Repair & Renovation	Patali	1.18	690474048	Rasulgonj Bazar-Kunjanpur road	New	1.18 km Road Rehabilitation (Proposed From Community People)	Ward 7 of Patali Union	236	Mid Term	High	Detailed Design Required
MIR-RD-05	New Construction	Mirpur Union	2.63	690475259	Lohori New Market-Kobor Khali Road	New	2.63 km Road Improvement (Proposed From Community People)	Ward 5 of Mirpur Union	131	Mid Term	High	Detailed Design Required
CHIL-RD-06	Repair & Renovation	Chilaura Holdipur	0.65	690475298	Chilaura Sajansree Road Chilaura Bazar Telikona Point Nallar Haor Submersible Road	New	0.65 km Road Improvement (Proposed From Community People)	Ward 2 of Chilaura Holdipur Union	33	Mid Term	High	Detailed Design Required
CHIL-RD-07	Repair & Renovation	Chilaura Holdipur	0.96	690474016	Jatrapassa- Chilaura(Haji Chand Mia Rd)	New	0.96km Rehabilitation (Proposed From Community People)	Ward 3 of Chilaura Holdipur Union	48	Mid Term	High	Detailed Design Required
CHIL-RD-08	Repair & Renovation	Chilaura Holdipur	0.95	690475014	947.93m Road Repair of Chilaura bazar-Punji Rd	New	0.95 km Road Rehabilitation(Proposed From Community People)	Ward 4 of Chilaura Holdipur Union	47	Mid Term	High	Detailed Design Required
CHIL-RD-09	Repair & Renovation	Chilaura Holdipur	0.82	690475138	Chilaura Bazar to Kacha Miah House Via Lomba hati road	New	0.82km Road Rehabilitation (Proposed From Community People)	Ward 4 of Chilaura Holdipur Union	41	Mid Term	High	Detailed Design Required
CHIL-RD-10	Repair & Renovation	Chilaura Holdipur	0.67	690474074	Chilaura Sajanshree to Shamdol Noagaon	New	0.67 Road Rehabilitation (Proposed From Community People)	Ward 4 of Chilaura Holdipur Union	135	Mid Term	High	Detailed Design Required
CHIL-RD-11	Repair & Renovation	Chilaura Holdipur	1.17	690474074	Chilaura Sajanshree to Shamdol Noagaon	New	1.17km Road Rehabilitation (Proposed From Community People)	Ward 5 of Chilaura Holdipur Union	235	Mid Term	High	Detailed Design Required
CHIL-RD-12	Repair & Renovation	Chilaura Holdipur	2.81	690475092	Bhurakhali Switchgate-Naluagaon road	New	2.81km Road Rehabilitation (Proposed From Community People)	Ward 1 of Chilaura Holdipur Union	14	Mid Term	High	Detailed Design Required
CHIL-RD-13	Repair & Renovation	Chilaura Holdipur	0.79	690474034	Goauspur Bazar to Naschni Saldiga	New	0.79 km Road Rehabilitation (Proposed From Community People)	Ward 8 of Chilaura Holdipur Union	158	Mid Term	Medium	Detailed Design Required
CHIL-RD-14	Repair & Renovation	Chilaura Holdipur	0.81	690474008	Polykuna-Goprapur	New	0.81 km Road Repair & Renovation (Proposed From Community People)	Ward 8 of Chilaura Holdipur Union	162	Mid Term	Medium	Detailed Design Required
RAN-RD-16	Repair & Renovation	Raniganj	1.01	690475245	Raniganj Gondobpur (Bridge) to Jagannathpur Raniganj(RDH) Road	New	1.01 Road Repair & Renovation (Proposed From Community People)	Ward 1 of Raniganj Union	50	Mid Term	Low	Detailed Design Required
RAN-RD-17	Repair & Renovation	Raniganj	1.40	690474018	Joyanagar-Noagaon	New	1.40 km Road Repair & Renovation (Proposed From Community People)	Ward 1 of Raniganj Union	280	Mid Term	Low	Detailed Design Required
RAN-RD-18	Repair & Renovation	Raniganj	0.59	690475236	Joyanagar-Noagaon Road Jalalia Fresharise Project Road	New	0.59 km Road Repair & Renovation (Proposed From Community People)	Ward 1 of Raniganj Union	117	Mid Term	Low	Detailed Design Required
RAN-RD-19	Repair & Renovation	Raniganj	0.92	690475188	Kamrakhai Main Road Mosque-Kamra Khai GPS Road	New	0.92 km Road Rehabilitation (Proposed From Community People)	Ward 1 of Raniganj Union	183	Mid Term	High	Detailed Design Required
RAN-RD-24	Repair & Renovation	Raniganj	0.75	690475249	Purba Terargaon Gps-Badoura Road	New	0.75 km Road Repair (Proposed From Community People)	Ward 8 of Raniganj Union	38	Mid Term	Low	Detailed Design Required
RAN-RD-30	Repair & Renovation	Raniganj	1.45	690473011	Raniganj-Polykuna Via Bagmoina	New	1.45 km Road Repair & Renovation (Proposed From Community People)	Ward 4 of Raniganj Union	290	Mid Term	High	Detailed Design Required
RAN-RD-31	Repair & Renovation	Raniganj	0.99	690475243	Gondobpur Eidghon-Ononto Golam Ali Pur LGED Road	New	0.99 km Road Repair & Renovation (Proposed From Community People)	Ward 5 of Raniganj Union	49	Mid Term	Low	Detailed Design Required
RAN-RD-36	Repair & Renovation	Raniganj	1.03	690475244	Gondobpur Borodor-Gopat Road	New	1.03 km Road Repair (Proposed From Community People)	Ward 6 of Raniganj Union	51	Mid Term	Low	Detailed Design Required

Attachment 1- 14

ID	Type of Need	Union	Length(km)	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
SDP-RD-37	Repair & Renovation	Syed Pur	3.04	690475173	Habibpur konapara - Ludurpur Sayedpur Harikona Connection RD	New	3.04 km Road Rehabilitation (Proposed From Community People)	Ward 2 of Syed Pur Union	608	Mid Term	Medium	Detailed Design Required
SDP-RD-38	Repair & Renovation	Syed Pur	3.19	690475170	From the eastern Bank of sayedpur eshankuna river to shaharpara	New	3.19 km Road Repair & Renovation (Proposed From Community People)	Ward 1,8 of Syed Pur Union	637	Mid Term	Low	Detailed Design Required
SDP-RD-40	Repair & Renovation	Syed Pur	2.05	690475068	Shaharpabazar to Naraynpur	New	2.05 km Road Rehabilitation (Proposed From Community People)	Ward 8 of Syed Pur Union	410	Mid Term	High	Detailed Design Required
PAL-RD-44	Repair & Renovation	Pailgaon	1.39	690475215	Raniganj Shibganj Road From Islampur Culvert-Sadin Bazar Kodorpara Road	New	1.39 km Road Repair & Renovation (Proposed From Community People)	Ward 3 of Pailgaon Union	278	Mid Term	Low	Detailed Design Required
RAN-RD-51	Repair & Renovation	Raniganj	1.5	690472005	Jagannathpur-Shibganj-Plilegoan UP-Begampur-Dhaka Sylhet R&H	New	1.5km Road Repair+ Protection Required Repair (Proposed From LGED)	Ward 6 of Raniganj Union	2,857	Mid Term	High	Detailed Design Required
KAL-RD-52	Repair & Renovation	Kolkolia Union	8	690472007	Derali - Kolkolia RHD(Jagannathpur) via Jagdal, hossainpur, paikapon telikona (Jagannathpur part)	New	8km Road Repair + Protection Required Repair (Proposed From LGED)	Ward 3 of Kolkolia Union	1,534	Mid Term	High	Detailed Design Required
CHIL-RD-53	Repair & Renovation	Chilaura Holdipur	9.6	690473002	Jagannathpur-Swajansree via Chilaura	New	9.6km Road Repair+ Protection Required Repair (Proposed From LGED)	Ward 6 of Chilaura Holdipur Union	1,824	Mid Term	High	Detailed Design Required
JGNP-RD-54	Repair & Renovation	Jagannathpur PaurashavaPaurashava	2.02	690473003	Jagannathpur food godown-Habibpur Rd	New	2.02km Road Repair+ Protection Required Repair (Proposed From LGED)	Ward 6 of Jagannathpur PaurashavaPaurashava	423	Mid Term	High	Detailed Design Required
MIR-RD-55	Repair & Renovation	Mirpur Union	5.47	690473006	Mirpur UP -Rasulganj Bazar road	New	5.47km Road Repair+ Protection Required Repair (Proposed From LGED)	Ward 5 of Mirpur Union	1,039	Mid Term	High	Detailed Design Required
RAN-RD-56	New Construction	Raniganj	13.45	690473007	Enayetganj-Harinakandi via Gopalgonj	New	13.45km (Ch-12800m-13450m new construction) (Proposed From LGED)	Ward 1 of Raniganj Union	2,555	Mid Term	High	Detailed Design Required
SDP-RD-57	Repair & Renovation	Syed Pur	4.78	690473008	Sayedpur UP - Sanatanpur via Teghoria road	New	4.78km Road Repair+ Protection Required Repair (Proposed From LGED)	Ward 6 of Syedpur Union	908	Mid Term	High	Detailed Design Required
RAN-RD-58	Repair & Renovation	Raniganj	7	690473010	Raniganj-Polykuna via Swajansree	New	7km Road Repair + Protection Required Repair (Proposed From LGED)	Ward 4 of Raniganj Union	1,330	Mid Term	High	Detailed Design Required
RAN-RD-59	Repair & Renovation	Raniganj	7.45	690473011	Raniganj-Polykuna via Bagmoina	New	7.45km Road Repair + Protection Required Repair (Proposed From LGED)	Ward 4 of Raniganj Union	1,415	Mid Term	High	Detailed Design Required
ASH-RD-60	Repair & Renovation	Asharkandi	5.61	690473012	Dawrai bazar-Sewra	New	5.61km Road Repair Ongoing (Ch-0-917m) rest of road need to rehabilitation(Proposed LGED)	Ward 8 of Asharkandi Union	1,065	Mid Term	High	Detailed Design Required
RAN-RD-61	Repair & Renovation	Raniganj	5.5	690473015	Shibgonj Bazar-Raniganj UP Road	New	5.5km Road Repair+ Protection Required repair (Proposed From LGED)	Ward 9 of Asharkandi Union	1,045	Mid Term	High	Detailed Design Required
ASH-RD-62	Repair & Renovation	Asharkandi	5.7	690473017	Aserkandi UP-Kalnirchar Bazar	New	5.7 km i) (Repair+Protection) Road(ch-0-1000m) ii)Bridge 3 Nos(ch-1450m-220m length bridge, ch-2200m-80m length bridge, ch-3750m-60m length bridge iii)New Construction Road(ch-1000-3860)(Proposed From LGED)	Ward 9 of Asharkandi Union	108	Mid Term	High	Detailed Design Required
ASH-RD-63	Repair & Renovation	Asharkandi	4.2	690473018	Kathalkhair Bazar-Dawrai UP via Joyda road	New	4.2km Road Repair Ongoing (Ch-1000-3000m) rest of road need to	Ward 4 of Asharkandi Union	798	Mid Term	High	Detailed Design Required

ID	Type of Need	Union	Length(km)	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
							rehabilitation (Ch-0-1000m and 3000-4200m) Road + Protection Required (Proposed From LGED)					
ASH-RD-64	Repair & Renovation	Asharkandi	4.08	690473019	Noyabondar Bazar - Dawrai UP Road	New	4.08km Road Repair + Protection Required Repair (Proposed From LGED)	Ward 4 of Asharkandi Union	775	Mid Term	High	Detailed Design Required
KAL-RD-65	Repair & Renovation	Kolkolia Union	8	690473020	Jagdal UP - Kabirpur (Jagannathpur GC)) via Bhurakhali (Jagannathpur part) road	New	8km Road Repair(Proposed From LGED)	Ward 1,2,3 of Kolkolia Union	1,520	Mid Term	High	Detailed Design Required
SDP-RD-66	Repair & Renovation	Syed Pur	2.21	690473021	Bhabar Bazar- Syedpur UP Road	New	2.21km Road Repair + Protection Required (Proposed From LGED)	Ward 4 of Syed Pur Union	4,019	Mid Term	High	Detailed Design Required
PAL-RD-67	New Construction	Pailgaon	4.08	690473022	Sadhin Bazar-Ranigonj UP via Anongo Mohon GPS road	New	4.08km New Road construction (Proposed From LGED)	Ward 3 of Pailgaon Union	775	Mid Term	High	Detailed Design Required
RAN-RD-68	New Construction	Raniganj	1.5	690474004	Polykuna-Panchagram high school	New	1.5km New Road construction (Ch-500-1500m)(Proposed From LGED)	Ward 2 of Raniganj Union	285	Mid Term	High	Detailed Design Required
PAL-RD-69	New Construction	Pailgaon	3.5	690474019	Shibganj-Pilegaon via Romapatipur	New	3.5km New Road Construction & Protection work (Ch-0-1000m both side)(Proposed From LGED)	Ward 1,2 of Pailgaon Union	665	Mid Term	High	Detailed Design Required
SDP-RD-70	Repair & Renovation	Syed Pur	2.65	690474020	Ludurpur (UZR)-Syedpur Bazar road	New	2.65km Road Repair + Protection Required repair (Proposed From LGED)	Ward 3 of Syedpur Union	503	Mid Term	High	Detailed Design Required
RAN-RD-71	New Construction	Raniganj	1.35	690474021	Isgoan-Ranigonj Road	New	1.35km New Road Construcyion + Bridge proposed (Ch-350m)-150m length(Proposed From LGED)	Ward 3 of Raniganj Union	256	Mid Term	High	Detailed Design Required
ASH-RD-72	New Construction	Asharkandi	3.2	690474023	Daurai-Mithabhoranj	New	3.2km New Road Construction (Bridge 1 Nos & Culvert 2 Nos)(Proposed From LGED)	Ward 4 of Asharkandi Union	160	Mid Term	High	Detailed Design Required
JGNP-RD-73	Repair & Renovation	Jagannathpur PaurashavaPaurashava	1.3	690474026	Jagannathpur-Habibpur Maddha para Road	New	1.3km Road + Protection Required repair(Proposed From LGED)	Ward 3 of Jagannathpur PaurashavaPaurashava	247	Mid Term	High	Detailed Design Required
KAL-RD-74	Repair & Renovation	Kolkolia Union	1.38	690474030	Nadampur-Faridpur road	New	1.38km Repair (Proposed From LGED)	Ward 9 of Kolkolia Union	262	Mid Term	High	Detailed Design Required
CHIL-RD-75	New Construction	Chilaura Holdipur	2.2	690474034	Goprapur Bazar- Nasni via Shaldigha road	New	2.2km New Road construction (Proposed From LGED)	Ward 9 of Chilaura Holdipur Union	418	Mid Term	High	Detailed Design Required
ASH-RD-76	Repair & Renovation	Asharkandi	7.8	690474041	Amratali (UZR)-Naya bandar Bazar via Sreeramshi Bazar road	New	Road Repair 7.8km Protection work required (Proposed From LGED)	Ward 4 of Asharkandi Union	1,482	Mid Term	High	Detailed Design Required
PAT-RD-77	Repair & Renovation	Patali	1.3	690474048	Rasulgonj Bazar-Kunjanpur road	New	1.3km Repair (Proposed From LGED)	Ward 4 of Patali Union	247	Mid Term	High	Detailed Design Required
ASH-RD-78	New Construction	Asharkandi	3.5	690474049	Shaharpara Bazar-Naraynpur(Dawrai) Road	New	3.5km New Road Construction (Proposed From LGED)	Ward 1 of Asharkandi Union	665	Mid Term	High	Detailed Design Required
PAT-RD-79	Repair & Renovation	Patali	1.2	690474055	Sathal-Chalk Ashimpur road.	New	1.2km Road Repair (Proposed From LGED)	Ward 3 of Patali Union	228	Mid Term	High	Detailed Design Required
ASH-RD-80	Repair & Renovation	Asharkandi	3.5	690474056	Chak Tilok-Dawrai Road	New	Road Repair 3.5km i)Ch-0-500m) palisting both side ii) 500-1500m road new+palasting(Proposed From LGED)	Ward 3 of Asharkandi Union	665	Mid Term	High	Detailed Design Required
PAT-RD-81	New Construction	Patali	4.5	690474061	Pagla-Jagannathpur RHD-Aralia Bazar via Khasila GPS road	New	4.5km New Road Construction (Ch-3000m-4500m & Culvert 2	Ward 6 of Patali Union	855	Mid Term	High	Detailed Design Required

Attachment 1- 16

ID	Type of Need	Union	Length(km)	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
							Nos)(Proposed From LGED)					
MIR-RD-82	Repair & Renovation	Mirpur Union	2.5	690474077	Lama Tokor Bazar-Gorgori P/S road.	New	2.5km Repair (Ch-50m Culvert 1 Nos) (Proposed From LGED)	Ward 1 of Mirpur Union	475	Mid Term	High	Detailed Design Required
JGNP-RD-83	New Construction	Jagannathpur PaurashavaPaurashava	1	690475006	Dak bangla-Pinglar haour Rd	New	1km Bridge Ch-20m-60m Bridge length (Re-construction) Evaquation purposes(Proposed From LGED)	Ward 4 of Jagannathpur PaurashavaPaurashava	190	Mid Term	High	Detailed Design Required
PAT-RD-84	Repair & Renovation	Patali	1.55	690475012	Mirpur-Rasulgong road-Lohargaon GPS road	New	1.55km Repair (0-1200m)+new construction (1200-1660m)(Proposed From LGED)	Ward 6,7 of Patali Union	294	Mid Term	High	Detailed Design Required
CHIL-RD-85	Repair & Renovation	Chilaura Holdipur	2	690475014	Chilaura bazar-Punji Rd	New	2km Repair road (Ch-0-600m) + New Cnstruction (600m to 2000m)+Culvert Ch-750m 1 nos)(Proposed From LGED)	Ward 3 of Chilaura Holdipur Union	380	Mid Term	High	Detailed Design Required
PAT-RD-86	Repair & Renovation	Patali	1	690475037	Kasobpur Rasulgong Rd-Chalk Hasimpur Ratnanodi.	New	1km Road Repair(Proposed From LGED)	Ward 4 of Patali Union	190	Mid Term	High	Detailed Design Required
SDP-RD-87	Repair & Renovation	Syed Pur	2.53	690475072	LGED road at Holimpur-Karimpur road	New	2.53km Road Repair(Proposed From LGED)	Ward 5,6 of Syedpur Union	480	Mid Term	High	Detailed Design Required
RAN-RD-88	Repair & Renovation	Raniganj	0.5	690475087	Jagannathpur- Ranigonj RHD- Narikeltala Govt. Primary School road	New	0.5km Road Repair(Proposed From LGED)	Ward 5 of Raniganj Union	95	Mid Term	High	Detailed Design Required
MIR-RD-89	New Construction	Mirpur Union	3	690475144	Atghar LGED Road - Gorgorikandi Via Biti Teck Submersible Road	New	3km New Road Construction (Proposed From LGED)	Ward 7 of Mirpur Union	570	Mid Term	High	Detailed Design Required
JGNP-RD-90	New Construction	Jagannathpur PaurashavaPaurashava	3	690475155	Jagannathpur Sunamganj Main Road Eicorchoy Alkhaner par Road	New	3km New Road Construction(Proposed From LGED)	Ward 3 of Jagannathpur PaurashavaPaurashava	570	Mid Term	High	Detailed Design Required
SDP-RD-91	New Construction	Syed Pur	0.78	690475207	Bhaber Bazar Syedpur Road From Mollikpur Mor - Pashchim Syedpur Communnitty Clinic Road	New	0.78km New Road(Proposed From LGED)	Ward 4 of Syed Pur Union	148	Mid Term	High	Detailed Design Required
ASH-RD-92	New Construction	Asharkandi	0.9	690475212	Jamal pur Noya Mosque - Jamalpur GPS Road	New	0.9km New Road Construction (Proposed From LGED)	Ward 4 of Asharkandi Union	171	Mid Term	High	Detailed Design Required
PAL-RD-93	New Construction	Pailgaon	1.96	690475213	Shibganj Romapotipur Road From Romapotipur Graveyard - Shibganj Begumpur UZR Road	New	1.96km New Road Construction (Proposed From LGED)	Ward 1 of Pailgaon Union	372	Mid Term	High	Detailed Design Required
ASH-RD-94	New Construction	Asharkandi	1.2	690475214	Joyda Culvert-Mithavarang Road	New	1.2 km New Road Construction (Proposed From LGED)	Ward 3 of Asharkandi Union	228	Mid Term	High	Detailed Design Required
PAL-RD-95	New Construction	Pailgaon	1.5	690475215	Raniganj Shibganj Road from Islampur Culvert - SadinBazar Kodorpara Road	New	1.5km New Road Construction (Proposed From LGED)	Ward 4 of Pailgaon Union	285	Mid Term	High	Detailed Design Required
RAN-RD-96	New Construction	Raniganj	1.75	690475247	Bagmoyna Main Road - Borokandi Haor Road	New	1.75km New Road Construction (Proposed From LGED)	Ward 4 of Raniganj Union	332	Mid Term	High	Detailed Design Required
MIR-RD-97	New Construction	Mirpur Union	1.12	690475264	Shirameshi Market Culbert Approach- Haphatti Haor Road	New	1.12km New Road Construction (Proposed From LGED)	Ward 2 of Mirpur Union	212	Mid Term	High	Detailed Design Required
ASH-RD-98	New Construction	Asharkandi	1	690475287	Joyda Madrasa - Joyda GPS Road	New	1km New Road Construction (Proposed From LGED)	Ward 4 of Asharkandi Union	190	Mid Term	High	Detailed Design Required
ASH-RD-99	New Construction	Asharkandi	1.65	690475294	Syed pur - Noyabondar Road from Purba Tilok	New	1.65km New Road(Proposed From LGED)	Ward 1,2of Asharkandi	313	Mid Term	High	Detailed Design Required

ID	Type of Need	Union	Length(km)	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
					Post Office - Noya Tilok Road .							

c) Bridges

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
MIR-BRI-04	New Construction	Mirpur Union	-	At kaborkali Lahori noyagaon.	New	7.62 m New Bridge Construction (Proposed From Community People)	Ward 7 of Mirpur Union	152	Mid Term	Low	Detailed Design Required
MIR-BRI-05	New Construction	Mirpur Union	-	West Hasan Fatemapur Borail Road	New	9.14 m New Bridge Construction (Proposed From Community People)	Ward 4 of Mirpur Union	183	Mid Term	Low	Detailed Design Required
CHIL-BRI-09	New Construction	Chilaura Holdipur	-	On the Rasulpur Large Canal	New	6.10 m New Bridge Construction (Proposed From Community People)	Ward 2 of Chilaura Holdipur Union	122	Mid Term	Medium	Detailed Design Required
CHIL-BRI-12	New Construction	Chilaura Holdipur	-	Near Noorani Madrasa on sajanshree dakshin para road	New	9.14 m New Bridge Construction (Proposed From Community People)	Ward 6 of Chilaura Holdipur Union	183	Mid Term	Low	Detailed Design Required
CHIL-BRI-14	New Construction	Chilaura Holdipur	-	Sandhal Nuagaon	New	6.10 m New Bridge Construction (Proposed From Community People)	Ward 5 of Chilaura Holdipur Union	122	Mid Term	Low	Detailed Design Required
RAN-BRI-18	New Construction	Raniganj	-	Nearby Royail Gias Mia;s house	New	15.24 m New Bridge Construction (Proposed From Community People)	Ward 2 of Raniganj Union	305	Mid Term	Low	Detailed Design Required
RAN-BRI-20	New Construction	Raniganj	-	In front of anantpur old mosque	New	7.62 m New Bridge Construction (Proposed From Community People)	Ward 6 of Raniganj Union	152	Mid Term	Low	Detailed Design Required
RAN-BRI-21	New Construction	Raniganj	-	Narikelatala Golbahar High school over ratna river	New	12.19 m New Bridge Construction (Proposed From Community People)	Ward 6 of Raniganj Union	244	Mid Term	Low	Detailed Design Required
RAN-BRI-22	New Construction	Raniganj	-	In front of Sheikh para Md. rafiq ali saheb;s house on Rantan River	New	12.19 m New Bridge Construction (Proposed From Community People)	Ward 6 of Raniganj Union	244	Mid Term	Low	Detailed Design Required
SDP-BRI-23	New Construction	Syed Pur	-	On the Kochupani Canal	New	12.19 m New Bridge Construction (Proposed From Community People)	Ward 1 of Syed Pur Union	244	Mid Term	Low	Detailed Design Required
ASH-BRI-25	New Construction	Asharkandi	-	At Patkura Mondolibog	New	6.10 m New Bridge Construction (Proposed From Community People)	Ward 8 of Asharkandi Union	122	Mid Term	Low	Detailed Design Required
ASH-BRI-26	New Construction	Asharkandi	-	Between North Buraiya and Syedpur Shaharpara UP Border.	New	10.67 m New Bridge Construction (Proposed From Community People)	Ward 8 of Asharkandi Union	213	Mid Term	Low	Detailed Design Required
PAL-BRI-27	New Construction	Pailgaon	-	On dakshinban haor between alipur khanpur	New	6.10 m New Bridge Construction(Proposed From Community People)	Ward 6 of Pailgaon Union	122	Mid Term	Low	Detailed Design Required
PAL-BRI-28	New Construction	Pailgaon	-	At Khanpur Village Nearby Yeshin Ali's House	New	7.62 m New Bridge Construction (Proposed From Community People)	Ward 6 of Pailgaon Union	152	Mid Term	Low	Detailed Design Required
PAL-BRI-29	New Construction	Pailgaon	-	On Bibiana River Nearby Chandu Mia's House	New	6.10 m New Bridge Construction (Proposed From Community People)	Ward 4 of Pailgaon Union	122	Mid Term	Low	Detailed Design Required
PAL-BRI-30	New Construction	Pailgaon	-	Gotgaon Dakir Canal Bridge	New	4.57 m New Bridge Construction(Proposed From Community People)	Ward 4 of Pailgaon Union	91	Mid Term	High	Detailed Design Required
PAL-BRI-31	New Construction	Pailgaon	-	On road of Fena Dubi Beel	New	5.49 m New Bridge Construction (Proposed From Community People)	Ward 4 of Pailgaon Union	110	Mid Term	Low	Detailed Design Required
KAL-BRI-34	New Construction	Kolkolia Union	-	On canal Side of Hamid Ali's land on Sonuakhai Aralia Road	New	10 m New Bridge Construction (Proposed From PIO)	Ward 8 of Kolkolia Union	25	Mid Term	High	Detailed Design Required
KAL-BRI-35	New Construction	Kolkolia Union	-	Bade Khashila is on the Dauka River side of the Natunpara Shelter Center.	New	15 m New Bridge Construction (Proposed From PIO)	Ward 7 of Kolkolia Union	30	Mid Term	High	Detailed Design Required
KAL-BRI-36	New Construction	Kolkolia Union	-	Beside Hija Govt.Primary School	New	10 m New Bridge Construction (Proposed From PIO)	Ward 9 of Kolkolia Union	25	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
PAL-BRI-37	New Construction	Pailgaon	-	On the Kewti Canal beside the Katia Katia Oloitoli Graveyard	New	11 m New Bridge Construction (Proposed From PIO)	Ward 8 of Pailgaon Union	30	Mid Term	High	Detailed Design Required
PAT-BRI-38	New Construction	Patali	-	Nandirgram on the Gangar canal of Eralia Road	New	15 m New Bridge Construction (Proposed From PIO)	Ward 3 of Patali Union	30	Mid Term	High	Detailed Design Required
PAT-BRI-39	New Construction	Patali	-	On Gangar canal on Eralia road from Saichani Mosque	New	15 m New Bridge Construction (Proposed From PIO)	Ward 3 of Patali Union	30	Mid Term	High	Detailed Design Required
SDP-BRI-40	New Construction	Syed Pur	-	Near Sanatanpur Govt. Primary School Beside Bazarkandi	New	10 m New Bridge Construction (Proposed From PIO)	Ward 6 of Syedpur Union	25	Mid Term	High	Detailed Design Required

Projects by Jagannathpur 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
JGNP-BRI-32	New Construction	Jagannathpur PaurashavaPaurashava	-	Keshabpur puran Bazar on Borokhal Road	New	15.24 m New Bridge Construction (Proposed From Community People)	Ward 3 of Jagannathpur PaurashavaPaurashava	80	Mid Term	Low	Detailed Design Required
JGNP-BRI-33	New Construction	Jagannathpur PaurashavaPaurashava	-	Under the Ruposi Tree nearby Keshabpur Kenal	New	36.58 m New Bridge Construction (Proposed From Community People)	Ward 3 of Jagannathpur PaurashavaPaurashava	80	Mid Term	Low	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
PAT-BRI-01	New Construction	Patali	690475097	Keshobpur-Aralia Road-Asampur Via Nandirgaon road at (Ch-2000m)	New	45.72m New Bridge Construction(Proposed From Community People)	Ward 4 of Patali Union	914	Mid Term	Medium	Detailed Design Required
PAT-BRI-02	New Construction	Patali	690475135	Moyespur Road-Sathal Korian road Via Khetrapasa road at (Ch-350m)	New	39.62m New Bridge Construction(Proposed From Community People)	Ward 7.9 of Patali Union	792	Mid Term	High	Detailed Design Required
PAT-BRI-03	New Construction	Patali	690475097	Kesobpur Eralia Road Asampur Via Nondirgaon Road	Continuing	45.72m New Bridge Construction (Proposed From Community People)	Ward 2 of Patali Union	914	Mid Term	High	Need Monitoring the effect from UzSC and TSC
MIR-BRI-06	New Construction	Mirpur Union	690475144	Atghor LGED Road Gorgorikandi Via Biti Teck Submersibile Road	New	15.24 m New Bridge Construction (Proposed From Community People)	Ward 4 of Mirpur Union	305	Mid Term	Low	Detailed Design Required
MIR-BRI-07	New Construction	Mirpur Union	690475144	Atghor LGED Road Gorgorikandi Via Biti Teck Submersibile Road	New	9.14 m New Bridge Construction (Proposed From Community People)	Ward 9 of Mirpur Union	183	Mid Term	Low	Detailed Design Required
MIR-BRI-08	New Construction	Mirpur Union	690475170	Syedpur-Poilot High School Road Bridge Approach-Shaharpara Islamia Madrasa-Shakamal GPS Road Connection Via Hapatir Haor Road	New	42.67m New Bridge Construction (Proposed From Community People)	Ward 9 of Mirpur Union	853	Mid Term	Low	Detailed Design Required
CHIL-BRI-10	New Construction	Chilaura Holdipur	-	On the baishkhali Canal	New	30.48m New Bridge Construction (Proposed From Community People)	Ward 3 of Chilaura Holdipur Union	610	Mid Term	High	Detailed Design Required
CHIL-BRI-11	New Construction	Chilaura Holdipur	-	On the south chilaura ambari canal	New	36.58m New Bridge Construction (Proposed From Community People)	Ward 4 of Chilaura Holdipur Union	731	Mid Term	High	Detailed Design Required
CHIL-BRI-13	New Construction	Chilaura Holdipur	690474073	Ismailchaik-Beri Via Baodharan	New	12.19 m New Bridge Construction (Proposed From Community People)	Ward 7 of Chilaura Holdipur Union	244	Mid Term	Low	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
CHIL-BRI-15	New Construction	Chilaura Holdipur	690473002	Ismail chokh on the kata river	New	36.58m New Bridge Construction(Proposed From Community People)	Ward 6 of Chilaura Holdipur Union	732	Mid Term	High	Detailed Design Required
CHIL-BRI-16	New Construction	Chilaura Holdipur	690473002	Jagannathpur Swajansree Via Chilaura at 7013m	New	60.96m New Bridge Construction (Proposed From Community People)	Ward 9 of Chilaura Holdipur Union	1,219	Mid Term	Low	Detailed Design Required
CHIL-BRI-17	New Construction	Chilaura Holdipur	-	Betaoka Noya Hati front of Nama River	New	70.10m New Bridge Construction (Proposed From Community People)	Ward 9 of Chilaura Holdipur Union	1,402	Mid Term	Low	Detailed Design Required
RAN-BRI-19	New Construction	Raniganj	690475161	Gondobpur Eidghon-Ononto Golam Ali Pur LGED Road	New	12.19 m New Bridge Construction (Proposed From Community People)	Ward 5 of Raniganj Union	244	Mid Term	Low	Detailed Design Required
ASH-BRI-24	New Construction	Asharkandi	690475243	Romapotipur GPS-Shewra Patkura Khaya Ghat Via Fечи Shewra Madrasa Road	New	18.29m New Bridge Construction (Proposed From Community People)	Ward 8 of Asharkandi Union	366	Mid Term	Medium	Detailed Design Required
MIR-BRI-41	Re-construction	Mirpur Union	690472001	Jagannathpur-Biswanath Road at Ch-7420m	New	20m Bridge Re-Construction (Proposed From LGED)	Ward 8 of Mirpur Union	240	Mid Term	Medium	Detailed Design Required
MIR-GUI-20	New Construction	Mirpur Union	690472001 (Part-1)	Jagannathpur-Biswanath Road at Ch-5200-5700m	New	20m Bridge Re-Construction (Proposed From LGED)	Ward 8 of Mirpur Union	63	Mid Term	Medium	Detailed Design Required
MIR-GUI-21	New Construction	Mirpur Union	690472001 (Part-2)	Jagannathpur-Biswanath Road at Ch-5200-5700m	New	20m Bridge Re-Construction (Proposed From LGED)	Ward 8 of Mirpur Union	76	Mid Term	Medium	Detailed Design Required
PAL-BRI-42	Re-construction	Pailgaon	690472005	Jagannathpur-Shibganj-Pilegoan UP-Begampur-Dhaka Sylhet R&H at Ch-592	New	20m Bridge Re-Construction (Proposed From LGED)	Ward 1 of Pailgaon Union	240	Mid Term	Medium	Detailed Design Required
KAL-BRI-43	Re-construction	Kolkolia Union	690472007	Derai - Kolkolia RHD(Jagannathpur) via Jagdal, hossainpur, paikapon telikona (Jagannathpur part) at Ch-4120m	New	30m Bridge Re-Construction (Proposed From LGED)	Ward 3 of Kolkolia Union	360	Mid Term	Medium	Detailed Design Required
CHIL-BRI-44	New Construction	Chilaura Holdipur	690473002	Jagannathpur-Swajansree via Chilaura at Ch- 7990m	New	200m New Bridge Construction (Proposed From LGED)	Ward 6 of Chilaura Holdipur Union		Mid Term	Medium	Detailed Design Required
SDP-BRI-45	Re-construction	Syed Pur	690473008	Sayedpur UP - Sanatanpur via Teghoria road at ch-1895m	New	45m Bridge Re-Construction (Proposed From Community People & LGED)	Ward 6 of Syedpur Union	540	Mid Term	Medium	Detailed Design Required
RAN-BRI-46	New Construction	Raniganj	690473015	Shibgonj Bazar-Raniganj UP Road at 2104m	New	60m New Bridge Construction (Proposed From LGED)	Ward 8 of Raniganj Union	720	Mid Term	Medium	Detailed Design Required
KAL-BRI-47	New Construction	Kolkolia Union	690474030	Nadampur-Faridpur road at 1380m	New	45m New Bridge Construction (Proposed From LGED)	Ward 9 of Kolkolia Union	540	Mid Term	Medium	Detailed Design Required
ASH-BRI-48	New Construction	Asharkandi	690473017(1)	Aserkandi UP-Kalnirchar Bazar	New	250m New Bridge Construction (Proposed From LGED)	Ward 4 of Asharkandi Union	3,000	Mid Term	Medium	Detailed Design Required
ASH-BRI-49	New Construction	Asharkandi	690473017(2)	Aserkandi UP-Kalnirchar Bazar	New	150m New Bridge Construction (Proposed From LGED)	Ward 4 of Asharkandi Union	1,800	Mid Term	Medium	Detailed Design Required
ASH-BRI-50	New Construction	Asharkandi	690473017(3)	Aserkandi UP-Kalnirchar Bazar	New	80m New Bridge Construction (Proposed From LGED)	Ward 4 of Asharkandi Union	960	Mid Term	Medium	Detailed Design Required
ASH-BRI-51	New Construction	Asharkandi	690473017(4)	Aserkandi UP-Kalnirchar Bazar	New	60m New Bridge Construction (Proposed From LGED)	Ward 9 of Asharkandi Union	720	Mid Term	Medium	Detailed Design Required
JGNP-BRI-52	New Construction	Jagannathpur PaurashavaPaurashava	690475006	Dak bangla-Pinglar haour Rd at Ch- 20m	New	60m New Bridge Construction (Proposed From LGED)	Ward 6 of Jagannathpur PaurashavaPaurashava	720	Mid Term	Medium	Detailed Design Required
KAL-BRI-53	New Construction	Kolkolia Union	690475084	Majidpur(RHD) - Nadampur GPS road at ch-680m	New	30m New Bridge Construction (Proposed From LGED)	Ward 9 of Kolkolia Union	360	Mid Term	Medium	Detailed Design Required
PAL-BRI-54	New Construction	Patali	690475234	Mohammadpur Sera GPS-Mohammadpur East Para Road at 20m	New	45m New Bridge Construction (Proposed From LGED)	Ward 6 of Patali Union	540	Mid Term	Medium	Detailed Design Required
JGNP-BRI-55	New Construction	Jagannathpur PaurashavaPaurashava	-	Hasimabad in between uttar Jagannathpur Govt.Primary School	New	70m New Bridge Construction (Proposed From LGED)	Ward 6 of Jagannathpur PaurashavaPaurashava	950	Mid Term	Medium	Detailed Design Required
RAN-BRI-56	New Construction	Raniganj	690474021	Isgaon-Raniganj Road	New	150m New Bridge Construction (Proposed From LGED)	Ward 5 of Raniganj Union	1,900	Mid Term	Medium	Detailed Design Required

d) Culverts

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
KAL-CU-01	New Construction	Kolkolia Union	-	Kamarkhal razzak mia's house to Noagaon Mosque	New	4.57m New Culvert Construction (Proposed From Community People)	Ward 1 of Kolkolia Union	14	Short Term	Medium	Need to take initiative from TSC & UzSC
KAL-CU-02	New Construction	Kolkolia Union	-	Kamarkhal razzak mia's house to Noagaon Mosque	New	4.57m New Culvert Construction (Proposed From Community People)	Ward 1 of Kolkolia Union	14	Short Term	Medium	Need to take initiative from TSC & UzSC
CHIL-CUL-06	New Construction	Chilaura Holdipur	-	Near Afroz mia House on Ismail chock main road	New	9.14 m New Culvert Construction (Proposed From Community People)	Ward 6 of Chilaura Holdipur Union	27	Short Term	Low	Need to take initiative from TSC & UzSC
RAN-CUL-07	New Construction	Raniganj	-	Munna Mia and Diluar Hussain's house road in Kusharai village	New	4.57m New Culvert Construction (Proposed From Community People)	Ward 1 of Raniganj Union	14	Short Term	Low	Need to take initiative from TSC & UzSC
RAN-CUL-08	New Construction	Raniganj	-	Kamrakhai Primary school to the north of meherun Basha's house	New	6.10 m New Culvert Construction (Proposed From Community People)	Ward 1 of Raniganj Union	18	Short Term	Low	Need to take initiative from TSC & UzSC
RAN-CUL-09	New Construction	Raniganj	-	Islampur Mosque to megarkandi village road	New	6.10 m New Culvert Construction (Proposed From Community People)	Ward 1 of Raniganj Union	18	Short Term	Low	Need to take initiative from TSC & UzSC
RAN-CUL-10	New Construction	Raniganj	-	From Royail motin mia's house to tajul haques house	New	4.57m New Culvert Construction (Proposed From Community People)	Ward 2 of Raniganj Union	14	Short Term	Low	Need to take initiative from TSC & UzSC
RAN-CUL-11	New Construction	Raniganj	-	From Royail motin mia's house to tajul haques house	New	4.57m New Culvert Construction (Proposed From Community People)	Ward 2 of Raniganj Union	14	Short Term	Low	Need to take initiative from TSC & UzSC
RAN-CUL-12	New Construction	Raniganj	-	Bag Moina to Bag Moina notun para	New	4.57m New Culvert Construction (Proposed From Community People)	Ward 4 of Raniganj Union	14	Short Term	High	Need to take initiative from TSC & UzSC
RAN-CUL-13	New Construction	Raniganj	-	At Garadabpur village	New	4.57m New Culvert Construction (Proposed From Community People)	Ward 5 of Raniganj Union	14	Short Term	Low	Need to take initiative from TSC & UzSC
RAN-CUL-14	New Construction	Raniganj	-	From Islampur Village big bridge to ashkir mias house	New	12.19 m New Culvert Construction (Proposed From Community People)	Ward 5 of Raniganj Union	67	Short Term	Medium	Need to take initiative from TSC & UzSC
RAN-CUL-15	New Construction	Raniganj	-	Gornhabpur Md. Badrul Mia;s Fishery road	New	5.49 m New Culvert Construction (Proposed From Community People)	Ward 6 of Raniganj Union	16	Short Term	Low	Need to take initiative from TSC & UzSC
SDP-CUL-16	New Construction	Syed Pur	-	Sayedpur Eshankuna river to shaharpara road	New	5.49 m New Culvert Construction (Proposed From Community People)	Ward 1 of Syed Pur Union	16	Short Term	Low	Need to take initiative from TSC & UzSC
SDP-CUL-17	New Construction	Syed Pur	-	Between West sayedpur road to Hobibpur Municipality Road	New	5.49 m New Culvert Construction (Proposed From Community People)	Ward 2 of Syed Pur Union	16	Short Term	Low	Need to take initiative from TSC & UzSC
ASH-CUL-18	New Construction	Asharkandi	-	From Dhuklambharpur Jame Mosque to Jamargaon Jame Mosque	New	5.49 m New Culvert Construction (Proposed From Community People)	Ward 4,9 of Asharkandi Union	16	Short Term	Low	Need to take initiative from TSC & UzSC
ASH-CUL-19	New Construction	Asharkandi	-	From Fecchi Jame Mosque to Khatib Mazar	New	4.57m New Culvert Construction (Proposed From Community People)	Ward 6 of Asharkandi Union	14	Short Term	Low	Need to take initiative from TSC & UzSC
ASH-CUL-20	New Construction	Asharkandi	-	North kalnichor Main Road to Mr. Rohit Mias House	New	3.65 m New Culvert Construction (Proposed From Community People)	Ward 6 of Asharkandi Union	11	Short Term	Low	Need to take initiative from TSC & UzSC
PAL-CUL-21	New Construction	Pailgaon	-	At Kosba Embankment	New	6.10 m New Culvert Construction (Proposed From Community People)	Ward 8 of Pailgaon Union	18	Short Term	High	Need to take initiative from TSC & UzSC
PAL-CUL-22	New Construction	Pailgaon	-	Gotgaon Village Front of Mr. Motoshir Mia's house	New	5.49 m New Culvert Construction (Proposed From Community People)	Ward 4 of Pailgaon Union	16	Short Term	Low	Need to take initiative from TSC & UzSC
PAL-CUL-23	New Construction	Pailgaon	-	Gotgaon Village Front of Shafiqul Islam House	New	4.88 m New Culvert Construction (Proposed From Community People)	Ward 4 of Pailgaon Union	15	Short Term	Medium	Need to take initiative from TSC & UzSC

Projects by Jagannathpur 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
JGNP-CUL-24	New Construction	Jagannathpur PaurashavaPaurashava	-	Alipur Alkhana Par road Junction	New	9.14m New Culvert Construction (Proposed From Community People)	Ward 9 of Jagannathpur PaurashavaPaurashava	30	Short Term	High	Detailed Design Required
JGNP-CUL-25	New Construction	Jagannathpur PaurashavaPaurashava	-	Sherpur at junction main road	New	4.88m New Culvert Construction (Proposed From Community People)	Ward 9 of Jagannathpur PaurashavaPaurashava	40	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
JGNP-CUL-26	New Construction	Jagannathpur PaurashavaPaurashava	-	Near Golap Members House	New	9.14m New Culvert Construction (Proposed From Community People)	Ward 7 of Jagannathpur PaurashavaPaurashava	30	Short Term	High	Detailed Design Required
JGNP-CUL-27	New Construction	Jagannathpur PaurashavaPaurashava	-	Near North Jagannathpur Mosque	New	4.88m New Culvert Construction (Proposed From Community People)	Ward 5 of Jagannathpur PaurashavaPaurashava	40	Short Term	High	Detailed Design Required
JGNP-CUL-28	New Construction	Jagannathpur PaurashavaPaurashava	-	In road from south habibpur to sayadpur Village	New	6.10m New Culvert Construction (Proposed From Community People)	Ward 4 of Jagannathpur PaurashavaPaurashava	30	Short Term	Low	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
PAT-CU-03	New Construction	Patali	690474066	Sathal-Sonapur via Kabirpur P/S.	New	4.57 m New Culvert Construction (Proposed From Community People)	Ward 4 of Patali Union	14	Short Term	High	Detailed Design Required
PAT-CU-04	New Construction	Patali	690474066	Sathal-Sonapur via Kabirpur P/S.	New	4.57 m New Culvert Construction (Proposed From Community People)	Ward 4 of Patali Union	14	Short Term	High	Detailed Design Required
PAT-CU-05	New Construction	Patali	690474066	Sathal-Sonapur via Kabirpur P/S.	New	4.57 m New Culvert Construction (Proposed From Community People)	Ward 4 of Patali Union	14	Short Term	High	Detailed Design Required
PAT-CU-29	New Construction	Patali	690474039 (Part-1)	Keshabpur (UZR) - Rasulganj Bazar via Aralia Bazar road at Ch-7730m	New	12m New Culvert Construction (Proposed From LGED)	Ward 6 of Patali Union	6	Short Term	High	Detailed Design Required
PAT-CU-30	New Construction	Patali	690474039 (Part-2)	Keshabpur (UZR) - Rasulganj Bazar via Aralia Bazar road at Ch-7790m	New	10m New Culvert Construction (Proposed From LGED)	Ward 4 of Patali Union	5	Short Term	High	Detailed Design Required
PAT-CU-31	New Construction	Patali	690474061(Part-1)	Pagla-Jagannathpur RHD-Aralia Bazar via Khasila GPS road Ch-2350m	New	15m, New Culvert Construction (Proposed From LGED)	Ward 6 of Patali Union	75	Short Term	High	Detailed Design Required
PAT-CU-32	New Construction	Patali	690474061(Part-2)	Pagla-Jagannathpur RHD-Aralia Bazar via Khasila GPS road Ch- 3200m	New	10m New Culvert Construction (Proposed From LGED)	Ward 6 of Patali Union	50	Short Term	High	Detailed Design Required
MIR-CU-33	New Construction	Mirpur Union	690474077	Lama Tokar Bazar-Gorgori P/S road. At 60m	New	14m New Culvert Construction (Proposed From LGED)	Ward 1 of Mirpur Union	70	Short Term	High	Detailed Design Required
CHIL-CU-34	New Construction	Chilaura Holdipur	690473002(Part-1)	Jagannathpur-Swajansree via Chilaura	New	10m New Culvert Construction (Proposed From LGED)	Ward 6 of Chilaura Holdipur Union	50	Short Term	High	Detailed Design Required
PAT-CU-35	New Construction	Chilaura Holdipur	690473002(Part-2)	Jagannathpur-Swajansree via Chilaura	New	10m New Culvert Construction (Proposed From LGED)	Ward 6 of Chilaura Holdipur Union	50	Short Term	High	Detailed Design Required

e) Drains

Projects by DPHE

ID	Type of Need	Union	Length(km)	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
KAL-DRI-01	New Construction	Kolkolia Union	0.176.	-	West Jagodhishpur to Dawka river	New	176.17 m New Drain Construction (Proposed From Community People)	Ward 3 of Kolkolia Union	35	Mid Term	Low	Detailed Design Required
MIR-DRI-02	New Construction	Mirpur Union	0.213	-	From Chifatpur Madrish Ali's House to the River	New	213.36 m New Drain Construction (Proposed From Community People)	Ward 6 of Mirpur Union	43	Mid Term	Low	Detailed Design Required
MIR-DRI-03	New Construction	Mirpur Union	0.030	-	From West Gargori to front of manohar house	New	30.48 m New Drain Construction (Proposed From Community People)	Ward 5 of Mirpur Union	6	Mid Term	Low	Detailed Design Required

ID	Type of Need	Union	Length(km)	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
MIR-DRI-04	New Construction	Mirpur Union	0.305	-	From Katagan South site to Chadbuali Village	New	304.80 m New Drain Construction (Proposed From Community People)	Ward 3 of Mirpur Union	0	Mid Term	Low	Detailed Design Required
RAN-DRI-05	New Construction	Raniganj	0.379	-	Bag moina Bridge to Bag moina Madhya para	New	379.48 m New Drain Construction (Proposed From Community People)	Ward 6 of Raniganj Union	76	Mid Term	Low	Detailed Design Required
RAN-DRI-06	New Construction	Raniganj	0.223	-	Dusthpur primary school to Borohati	New	223.42 m New Drain Construction (Proposed From Community People)	Ward 9 of Raniganj Union	45	Mid Term	Low	Detailed Design Required
SDP-DRI-07	New Construction	Syed Pur	0.290	-	Sayedpur shamsuddin jame Mosque to south side of bara Gola Filed to canal front	New	289.56 m New Drain Construction (Proposed From Community People)	Ward 2 of Syed Pur Union	58	Mid Term	Low	Detailed Design Required
SDP-DRI-08	New Construction	Syed Pur	0.480	-	Sayedpur Eshan kona LGED road to the western End of suber Mia's house	New	480.06 m New Drain Construction (Proposed From Community People)	Ward 1 of Syed Pur Union	96	Mid Term	Low	Detailed Design Required
SDP-DRI-09	New Construction	Syed Pur	0.832	-	Radish Shopping Mall in sayedpur Bazar to the front of Lilu Mia's House	New	832.71 m New Drain Construction (Proposed From Community People)	Ward 4 of Syed Pur Union	167	Mid Term	Medium	Detailed Design Required
ASH-DRI-10	New Construction	Asharkandi	0.321	-	From Dhawrai Bazar to Halo Khali Para	New	320.65 m New Drain Construction (Proposed From Community People)	Ward 4 of Asharkandi Union	64	Mid Term	Low	Detailed Design Required
ASH-DRI-11	New Construction	Asharkandi	0.884	-	Construction of paved Drain at field of Milik .	New	883.92 m New Drain Construction (Proposed From Community People)	Ward 9 of Asharkandi Union	177	Mid Term	Low	Detailed Design Required
ASH-DRI-12	New Construction	Asharkandi	0.282	-	From field of Subol to Dhawrai Hoar	New	281.94 m New Drain Construction (Proposed From Community People)	Ward 9 of Asharkandi Union	56	Mid Term	Low	Detailed Design Required

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

Projects by DPHE

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
Tubewell	PAT-TI-01	New Construction	Patali	-	At lohargaon cluster village	New	New Tubewell Installation (Proposed From Community People)	Ward 9 of Patali Union	0.650	Short Term	Medium	Need to take initiative from TSC & UzSC
Tubewell	CHIL-TI-02	New Construction	Chilaura Holdipur	-	At Bharaui village	New	New Tubewell Installation (Proposed From Community People)	Ward 3 of Chilaura Holdipur Union	0.650	Short Term	Medium	Need to take initiative from TSC & UzSC
Tubewell	CHIL-TI-03	New Construction	Chilaura Holdipur	-	Betaoka Nawagaon Village	New	New Tubewell Installation (Proposed From Community People)	Ward 9 of Chilaura Holdipur Union	0.650	Short Term	Low	Need to take initiative from TSC & UzSC
Tubewell	CHIL-TI-04	New Construction	Chilaura Holdipur	-	Betaoka Nawagaon Village	New	New Tubewell Installation (Proposed From Community People)	Ward 9 of Chilaura Holdipur Union	0.650	Short Term	Low	Need to take initiative from TSC & UzSC
Tubewell	CHIL-TI-05	New Construction	Chilaura Holdipur	-	Bery Mollapara Road	New	New Tubewell Installation (Proposed From Community People)	Ward 9 of Chilaura Holdipur Union	0.650	Short Term	Low	Need to take initiative from TSC & UzSC
Tubewell	CHIL-TI-06	New Construction	Chilaura Holdipur	-	Bery Mollapara Road	New	New Tubewell Installation (Proposed From Community People)	Ward 9 of Chilaura Holdipur Union	0.650	Short Term	Low	Need to take initiative from TSC & UzSC
Tubewell	ASH-TI-07	New Construction	Asharkandi	-	On high ground of Sheora village.	New	New Tubewell Installation (Proposed From Community People)	Ward 7 of Asharkandi Union	0.650	Short Term	Low	Need to take initiative from TSC & UzSC
Tubewell	ASH-TI-08	New Construction	Asharkandi	-	On high ground of Oiyar Kuna village	New	New Tubewell Installation (Proposed From Community People)	Ward 5 of Asharkandi Union	0.650	Short Term	Low	Need to take initiative from TSC & UzSC
Tubewell	ASH-TI-09	New Construction	Asharkandi	-	On high ground of Dhawrai village	New	New Tubewell Installation (Proposed From Community People)	Ward 4 of Asharkandi Union	0.650	Short Term	Low	Need to take initiative from TSC & UzSC
Tubewell	ASH-TI-10	New Construction	Asharkandi	-	On high ground of Buraiya village.	New	New Tubewell Installation (Proposed From Community People)	Ward 8 of Asharkandi Union	0.650	Short Term	High	Need to take initiative from TSC & UzSC

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
Tubewell	ASH-TI-11	New Construction	Asharkandi	-	On high ground of Milik suklamborpur village	New	New Tubewell Installation (Proposed From Community People)	Ward 9 of Asharkandi Union	0.650	Short Term	Medium	Need to take initiative from TSC & UzSC
Tubewell	ASH-TI-12	New Construction	Asharkandi	-	On high ground of North Kannirchor village	New	New Tubewell Installation (Proposed From Community People)	Ward 6 of Asharkandi Union	0.650	Short Term	High	Need to take initiative from TSC & UzSC
Tubewell	ASH-TI-13	New Construction	Asharkandi	-	At Sata Village	New	New Tubewell Installation (Proposed From Community People)	Ward 4 of Asharkandi Union	0.650	Short Term	Low	Need to take initiative from TSC & UzSC
Tubewell	PAL-TI-14	New Construction	Pailgaon	-	Nearby Mujahidpur Manik Mia's House	New	New Tubewell Installation (Proposed From Community People)	Ward 1 of Pailgaon Union	0.650	Short Term	Medium	Need to take initiative from TSC for FS
Public Toilet	PAL-PT-01	New Construction	Pailgaon	-	Near Kadamtala Jame Mosque to the east of sata	New	New Public Toilet Construction (Proposed From Community People)	Ward 2 of Pailgaon Union	20	Mid Term	Low	Detailed Design Required

g) Other infrastructures and facilities for emergency operations

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
Graveyard	ASH- GRA-01	Repair & Renovation	Asharkandi	-	Shuklambhupur graveyard	New	Graveyard Repair and Renovation (Proposed From Community People)	Ward 9 of Asharkandi Union	25	Short Term	Low	Detailed Design Required
Graveyard	ASH- GRA-02	Repair & Renovation	Asharkandi	-	Oiyarkuna graveyard	New	Graveyard Repair and Renovation (Proposed From Community People)	Ward 5 of Asharkandi Union	60	Short Term	Medium	Detailed Design Required
Relief Warehouse	PIO- RW-01	New Construction	-	-	Jagannathpur Upazila	New	Relief Warehouse Construction (Proposed From PIO office)	NA	200	Mid Term	High	Detailed Design Required
Guide wall	RAN- GUI-18	New Construction	Raniganj	-	Sajanshree to Bag Moina Ayub Ali Road	New	1.8km New Guide wall Construction (Proposed From Community People)	Ward 4 of Raniganj Union	180	Mid Term	Low	Need to take initiative from TSC for FS

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
Community Clinic Type-B	CHIL-CC-01	New Construction	Chilaura Holdipur	-	Proposed Community Clinic at Beri Village	Undecided	Community Clinic Construction (Proposed From Community People)	Ward 9 of Chilaura Holdipur Union	38	Mid Term	Medium	Detailed Design Required

Projects by LGED

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
Guide wall	KAL-GUI-03	New Construction	Kolkolia Union	690474072	Majidpur Via Nadampur Road	New	155.14m New Guide wall Construction (Proposed From Community People)	Ward 9 of Kolkolia Union	16	Mid Term	Medium	Detailed Design Required
Guide wall	PAT-GUI-06	New Construction	Patali	690474048	Rasulgongj Bazar-Kunjanpur road	New	1267.66m New Guide wall Construction (Proposed From Community People)	Ward 9 of Patali Union	127	Mid Term	Low	Detailed Design Required
Guide wall	PAT-GUI-09	New Construction	Patali	690474039	Kesobpur Upazila Road-Rasulpur Bazar	New	175.87m New Guide wall Construction (Proposed From Community People)	Ward 2 of Patali Union	18	Mid Term	Low	Detailed Design Required
Guide wall	SDP-GUI-19	New Construction	Syed Pur	690473008	Sayedpur UP Sonatompur Via Tagoria Road	New	493.77m New Guide wall Construction (Proposed From Community People)	Ward 4 of Syed Pur Union	49	Mid Term	High	Detailed Design Required
Protection Wall	RAN-GUI-22	New Construction	Jagannathpur PaurashavaPaurashava	690472005(Part-1)	Jagannathpur-Shibganj-Pilegoan UP-Begampur-Dhaka Sylhet R&H	New	1.5km Road +670m Protection Required Repair (Proposed From LGED)	Ward 6 of Raniganj	67	Mid Term	Low	Detailed Design Required
Protection Wall	RAN-GUI-23	New Construction	Jagannathpur PaurashavaPaurashava	690472005(Part-2)	Jagannathpur-Shibganj-Pilegoan UP-Begampur-Dhaka Sylhet R&H	New	1.5km Road +680m Protection Required Repair (Proposed From LGED)	Ward 6 of Raniganj	68	Mid Term	Low	Detailed Design Required
Protection Wall	KAL-GUI-24	New Construction	Kolkolia Union	690472007	Derai - Kolkolia RHD(Jagannathpur) via Jagdal, hossainpur, paikapon telikona (Jagannathpur part)	New	8km Road +1130m Protection Required Repair (Proposed From LGED)	Ward 3 of Kolkolia Union	113	Mid Term	Low	Detailed Design Required
Protection Wall	CHI-GUI-25	New Construction	Chilaura Holdipur	690473002	Jagannathpur-Swajansree via Chilaura	New	9.6km Road + Protection Required Repair (Proposed From LGED)	Ward 6 of Chilaura Holdipur Union	960	Mid Term	Low	Detailed Design Required
Protection Wall	JGNP-GUI-26	New Construction	Jagannathpur PaurashavaPaurashava	690473003	Jagannathpur food godown-Habibpur Rd	New	2.02km Road + Protection Required Repair (Proposed From LGED)	Ward 6 of Jagannathpur PaurashavaPaurashava	223	Mid Term	Low	Detailed Design Required
Protection Wall	RAN-GUI-27	New Construction	Raniganj	690473010	Raniganj-Polykuna via Swajansree	New	7km Road + Protection Required Repair (Proposed From LGED)	Ward 3 of Pailgaon Union	700	Mid Term	Low	Detailed Design Required
Protection Wall	RAN-GUI-28	New Construction	Raniganj	690473011	Raniganj-Polykuna via Bagmoina	New	7.45km Road + Protection Required Repair (Proposed From LGED)	Ward 4 of Raniganj Union	745	Mid Term	Low	Detailed Design Required
Protection Wall	RAN-GUI-29	New Construction	Raniganj	690473015	Shibgonj Bazar-Ranigonj UP Road	New	5.5km Road Repair+ Protection Required repair (Proposed From LGED)	Ward 9 of Raniganj Union	550	Mid Term	Low	Detailed Design Required
Protection Wall	ASH-GUI-30	New Construction	Asharkandi	690473019	Noyabondar Bazar - Dawrai UP Road	New	4.08km Road Repair + Protection Required Repair (Proposed From LGED)	Ward 4 of Asharkandi Union	408	Mid Term	Low	Detailed Design Required
Protection Wall	SDP-GUI-31	New Construction	Syed Pur	690473021	Bhabar Bazar-Syedpur UP Road	New	2.21km Road Repair + Protection Required (Proposed From LGED)	Ward 4 of Syed Pur Union	221	Mid Term	Low	Detailed Design Required
Protection Wall	SDP-GUI-32	New Construction	Syed Pur	690474020	Ludurpur (UZR)-Syedpur Bazar road	New	2.65km Road Repair + Protection Required repair (Proposed From LGED)	Ward 3 of Syedpur Union	800	Mid Term	Low	Detailed Design Required
Protection Wall	JGNP-GUI-33	New Construction	Jagannathpur PaurashavaPaurashava	690474026	Jagannathpur-Habibpur Maddha para Road	New	1.3km Road + Protection Required repair(Proposed From LGED)	Ward 3 of Jagannathpur PaurashavaPaurashava	130	Mid Term	Low	Detailed Design Required
Protection Wall	ASH-GUI-34	New Construction	Asharkandi	690474041	Amratil (UZR)-Naya bandar Bazar via Sreeramshi Bazar road	New	Road Repair 7.8km Protection work required (Proposed From LGED)	Ward 1, 4 of Asharkandi Union	780	Mid Term	Low	Detailed Design Required
Protection Wall	PAL-GUI-35	New Construction	Pailgaon	690474019	Shibganj-Pilegoan via Romapatipur	New	3.5km New Road Construction & Protection work (Ch-0-1000m both side)(Proposed From LGED)	Ward 1,2 of Pailgaon Union	350	Mid Term	Low	Detailed Design Required

4. Infrastructures for Prevention of Other disasters

a) Lightning Conductor

Projects by DDM

Category	ID	Type of Need	Union	Length(km)	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 distributiob			All Unions & Pourashova		-	Motivated people for tree plantation and Distribution tree sapling to community people of each Union & Pourashova.	New	Proposed by UDMC	Community People of all Unions	3	Short Term	High	Need to take initiative from TSC & UzSC
			All Unions & Pourashova		-	Installation of magnet pillars at various places to reduce the risk of Thunderstorm at Union & Pourashova level.	New	Proposed by UDMC	Community People of all Unions			High	Need to take initiative from TSC & UzSC

<Non-structural countermeasures>

2. Early Warning Information and Communication (BWDB/DDM)

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
Wireless means of Emergency	PIO-WME-01	New Purchase	-	-	Proposed for Wireless Walkie Talkie network installation	New	Wireless means of Emergency new Purchase (Proposed From PIO office)	All union of Upazila	1	Short Term	High	Need to take Initiative from TSC & UzSC

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			All Unions & Pourashova	-	Provide Disaster management Training for UDMC members.	New	Proposed by UDMC	Community People of all Unions	2	Short Term	High	Need to take initiative from TSC & UzSC
Training			All Unions & Pourashova	-	Provide awareness Training on what to do before, at that time and after flash flood for UDMC.	New	Proposed by UDMC	People of Patli Union	2	Short Term	High	Need to take initiative from TSC & UzSC

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			All Unions & Pourashova	-	Organize Seminar on Disaster Issues at Union/Upazila level.	New	Proposed by UDMC	Community People of all Unions	2	Short Term	High	Need to take initiative from TSC & UzSC
Training			All Unions & Pourashova	-	Provide awareness training for community people to be safe from Thunderstorm.	New	Proposed by UDMC	Community People of all Unions	2	Short Term	Medium	Need to take initiative from TSC & UzSC
Days Observation			All Unions & Pourashova	-	Celebrating Days observation on Disaster and Climate change issue at Union/Upazila level.	New	Proposed by UDMC	Community People of all Unions	3.6	Short Term	Medium	Need to take initiative from TSC & UzSC
Printing and distribution of Poster/Festun				-	Printing and Distribution of Disaster related Festoons, Leaflets and Posters etc.	New	Proposed by UDMC	Community People of all Unions	4	Short Term	Medium	Need to take initiative from TSC & UzSC
Awareness session			All Unions & Pourashova	-	Conduct awareness sessions on Disaster issues Especially on water borne Diseases for UDMC & Community people.	New	Proposed by UDMC	Community People of all Unions	3	Short Term	Medium	Need to take initiative from TSC & UzSC
Established Bill Board			All Unions & Pourashova	-	Establish awareness bill boards in various places of the Municipality area regarding various disasters.	New	Proposed by Pourasova and Community people	People of Jagannathpur Pourasova Union	8	Short Term	Medium	Need to take initiative from TSC & UzSC

Projects by MOE

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
Orientation			Most of the Schools under the Upazila	-	Disaster preparedness education in school.	Undecided	Proposed by UDMC	Community People of all Unions	3	Short Term	Medium	Need to take initiative from TSC & UzSC

5. Other non-structural countermeasures

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
Cattle Ferry	PAT-CF-01	New Construction	Patali	-	Proposed Cattle Ferry at Ashampur Swarasati river	New	Providing New Cattle Ferry (Proposed From Community People)	Ward 4 of Patali Union	10	Short Term	Low	Need to take initiative from TSC & UzSC for listed in ADP or any development Plans
Transport system (pickup)	PIO-TSP-01	New Purchase	-	-	New Pickup for emergency relief distribution	New	Pickup for emergency relief distribution (Proposed From PIO office)	All union of Upazila	50	Short Term	High	Need to take initiative from TSC & UzSC
Rescue Board	PIO-RB-01	New Purchase	-	-	Proposed new Rescue Board for emergency operation during flood	New	Rescue Board for emergency operation (Proposed From PIO office)	All union of Upazila	10	Short Term	High	Need to take initiative from TSC & UzSC
Life jackets	PIO-LJ-01	New Purchase	-	-	Proposed new Life jackets for PIO office	New	Life jackets (Proposed From PIO office)	All union of Upazila	2	Short Term	High	Need to take initiative from TSC & UzSC

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
Generators	PIO-GENA-01	New Purchase	-	-	Proposed new Generators for the PIO office in emergency operation during flood.	New	Generators new Purchase (Proposed From PIO office)	All union of Upazila	1	Short Term	High	Need to take initiative from TSC & UzSC
Input distributiob			All Union s & Poura shova	-	Providing relief (foods, water and necessary Medicines) during the disaster after disaster to the affected poor people.	New	Proposed by UDMC	Community People of all Unions	72	Short Term	High	Need to take initiative from TSC & UzSC

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

(1) UzDMC Members

Sl. No.	Name	Designation	Position in UzDMC
01.	Mr. Nurul Islam	Chairman, Upazila Parishad, Jagannathpur, Sunamganj	Chairperson
02.	Mr. Sajedul Islam	Upazila Nirbahi Officer, Jagannathpur, Sunamganj	Co-chairperson
03.	Mr. Siddique Ahamed	Vice-President, District Awamileague, Jagannathpur, Sunamganj	Member
04.	Mr. Md. Akhter Hossain	Mayor, Jagannathpur Municipality	Member
05.	Mr. Rezaul Karim Riju	General Secretary, Upazila Awamileague, Jagannathpur, Sunamganj	Member
06.	Mr. Abdul Quiyum Moshaeed	Sr. President, Upazila Awamileague, Jagannathpur, Sunamganj	Member
07.	Mr. Bijon Kumar Deb	Vice-Chairman (M), Upazila Parishad, Jagannathpur, Sunamganj	Member
08.	Mst. Farzana Akhter	Vice-Chairman (F), Upazila Parishad, Jagannathpur, Sunamganj	Member
09.	Mr. Al Haj Md. Rafiq Mian	Chairman, Kalkalia UP, Jagannathpur, Sunamganj	Member
10.	Mr. Md. Angur Mian	Chairman, Patli UP, Jagannathpur, Sunamganj	Member
11.	Mr. Md. Mahabubul Haque	Chairman, Mirpur UP, Jagannathpur, Sunamganj	Member
12.	Mr. Md. Shahidul Islam Bakul	Chairman, Chilauna Haldipur UP, Jagannathpur, Sunamganj	Member
13.	Mr. Shekh Md. Sadrul Islam	Chairman, Raniganj UP, Jagannathpur, Sunamganj	Member
14.	Mr. Md. Abul Hasan	Chairman, Syedpur Saharpara UP, Jagannathpur, Sunamganj	Member
15.	Mr. Md. Ayub Khan	Chairman, Asharkandi UP, Jagannathpur, Sunamganj	Member
16.	Mr. Md. Mokhluch Mian	Chairman, Pailgaon UP, Jagannathpur, Sunamganj	Member
17.	Mr. Riad Bin Ibrahim	Asst. Commissioner (Land), Jagannathpur, Sunamganj	Member
18.	Mr. Shawkath Osman Majumder	Uz. Agriculture Officer, Jagannathpur, Sunamganj	Member
19.	Mr. Madhusudan Dhar	Uz. Health & Family Planning Officer, Jagannathpur, Sunamganj	Member
20.	Dr. Khaled Saifullah	Uz. Livestock Officer, Jagannathpur, Sunamganj	Member
21.	Mr. Md. Akhtaruzzaman	Uz. Fishery Officer, Jagannathpur, Sunamganj	Member

Sl. No.	Name	Designation	Position in UzDMC
22.	Mr. Manik Ch. Das	Uz. Education Officer, Jagannathpur, Sunamganj	Member
23.	Mr. Sohrab Hossain	Uz. Engineer, LGED, Jagannathpur, Sunamganj	Member
24.	Mr. Billal Hossain	Uz. Social Welfare Officer, Jagannathpur, Sunamganj	Member
25.	Mr. Md. Abdur Rahman	Uz. Family Planning Officer, Jagannathpur, Sunamganj	Member
26.	Mr. Kamrul Islam	Uz. Food Control Officer, Jagannathpur, Sunamganj	Member
27.	Mr. Mijanur Rahman	Officer In-charge, Jagannathpur, Sunamganj	Member
28.	Mr. Ashraf Ali	Uz. Youth Development Officer, Jagannathpur, Sunamganj	Member
29.	Mr. Md. Delwar Hossain	Uz. Cooperative Officer, Jagannathpur, Sunamganj	Member
30.	Mr. AKM Mukhlechur Rahman	Uz. Secondary Education Officer, Jagannathpur, Sunamganj	Member
31.	Mr. AJM Rezaul A	Uz. Women Affairs Officer, Jagannathpur, Sunamganj	Member
32.	Mr. Md. Zillur Rahman	Uz. Ansar VDP Officer, Jagannathpur, Sunamganj	Member
33.	Mr. Pronab Lal Das	Uz. Rural Development Officer, Mr. Abdul Kadir, Jagannathpur, Sunamganj	Member
34.	Mr. Md. Abdur Rob Sarker	Sub-Assistant Engineer, DPHE, Jagannathpur, Sunamganj	Member
35.	Mr. Al Masud	Station Master, Fire Service Civil Defense, Jagannathpur, Sunamganj	Member
36.	Mr. Md. Azizul Islam Azad	Residential Engineer, PDB, Jagannathpur, Sunamganj	Member
37.	Mr. Md. Hasan Gazi	Branch Officer, BWDB, Jagannathpur, Sunamganj	Member
38.	Mst. Ferdowsi Begum Tania	Member of reserved ward # 1, 2 & 3	Member
39.	Mst. Santona Islam	Member of reserved ward # 4, 5 & 6	Member
40.	Mst. Saleha Begum	Member of reserved ward # 7, 8 & 9	Member
41.	Mr. Mizan Sarder	Manager, Brac NGO, Jagannathpur, Sunamganj	Member
42.	Mr. Shankar Roy	President, Press Club, Jagannathpur, Sunamganj	Member
43.	Mr. Md. Zahidul Islam	Principal, Govt. Degree College, Jagannathpur, Sunamganj	Member
44.	Mr. Md. Abdul Quiyum	Ex. Commander (Freedom Fighting), Jagannathpur, Sunamganj	Member
45.	Mr. Md. Sahadat Hossain Bhuiyan	Project Implementation Officer, Chhatak, Sunamganj	Member Secretary

Upazila Disaster Risk Reduction Action Plan of Jagannathpur



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
উপজেলা নির্বাহী অফিসারের কার্যালয়
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স্মারক নং: ০৫.৪৬.৯০০০.০০৬.১১.১৯১.১৮৮


তারিখ: ১৯/০২/২০২৩ খ্রি.

বিষয়: স্থানীয় দুর্ঘটনা ঝুঁকি নিরসন পরিকল্পনা প্রণয়নের লক্ষ্যে জগন্নাথপুর উপজেলা সাব-কমিটি 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 জগন্নাথপুর উপজেলায় “স্থানীয় দুর্ঘটনা ঝুঁকি নিরসন পরিকল্পনা” প্রণয়নের লক্ষ্যে উপজেলা দুর্ঘটনা ব্যবস্থাপনা কমিটির সদস্যগণের মধ্য থেকে সংশ্লিষ্ট দপ্তর/বিভাগ এর কর্মকর্তা এবং স্থানীয় জনপ্রতিনিধিগণের সমন্বয়ে নিম্নোক্তভাবে একটি সাব-কমিটি গঠন করা হলো।

ক্র: নং	কমিটির সদস্যগণের নাম	পদবী	সাব-কমিটিতে পদবী
১	জনাব মোঃ আবুল হোসেন লালন	অস্থায়ী চেয়ারম্যান, উপজেলা পরিষদ	সভাপতি
২	জনাব মোঃ সাজেদুল ইসলাম	উপজেলা নির্বাহী অফিসার	সহ-সভাপতি
৩	জনাব ডাঃ মধুসূদন ধর	উপজেলা স্বাস্থ্য ও পঃপঃ কর্মকর্তা, জগন্নাথপুর, সুনামগঞ্জ।	সদস্য
৪	জনাব শওকত ওসমান মজুমদার	উপজেলা কৃষি অফিসার	সদস্য
৫	জনাব সোহরাব হোসেন	উপজেলা প্রকৌশলী, এলজিইডি, জগন্নাথপুর, সুনামগঞ্জ।	সদস্য
৬	জনাব মোঃ আখতারুজ্জামান	উপজেলা মৎস্য কর্মকর্তা, জগন্নাথপুর, সুনামগঞ্জ।	সদস্য
৭	জনাব ডাঃ খালেদ সাইফুল্লাহ	উপজেলা প্রাণী সম্পদ কর্মকর্তা, জগন্নাথপুর, সুনামগঞ্জ।	সদস্য
৮	জনাব মোঃ আব্দুর রব সরকার	সহকারী প্রকৌশলী, জনস্বাস্থ্য, জগন্নাথপুর, সুনামগঞ্জ।	সদস্য
৯	জনাব এ. জে. এম. রেজাউল করিম	উপজেলা মহিলা বিষয়ক কর্মকর্তা, জগন্নাথপুর, সুনামগঞ্জ।	সদস্য
১০	জনাব মোঃ হাসান গাজী	শাখা কর্মকর্তা, বাপাউবো, জগন্নাথপুর শাখা,	সদস্য
১১	জনাব মোঃ আইয়ুব খান	চেয়ারম্যান, আশারকান্দি ইউপি, জগন্নাথপুর, সুনামগঞ্জ।	সদস্য
১২	জনাব মোঃ শাহিদুল ইসলাম বকুল	চেয়ারম্যান, চিলাউড়া হলদিপুর ইউপি, জগন্নাথপুর, সুনামগঞ্জ।	সদস্য
১৩	জনাব আলহাজ্ব মোঃ রফিক মিয়া	চেয়ারম্যান, কলকলিয়া ইউপি, জগন্নাথপুর, সুনামগঞ্জ।	সদস্য
১৪	জনাব শেখ মোঃ ছদরুল ইসলাম	চেয়ারম্যান, রানীগঞ্জ ইউপি, জগন্নাথপুর, সুনামগঞ্জ।	সদস্য
১৫	জনাব সতীশ গোস্বামী	উপ-সহকারী প্রকৌশলী, জগন্নাথপুর পৌরসভা	সদস্য
১৬	জনাব মোঃ শাহাদাৎ হোসেন ডুঞা	উপজেলা প্রকল্প বাস্তবায়ন কর্মকর্তা, জগন্নাথপুর, সুনামগঞ্জ।	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 প্রণয়নের লক্ষ্যে পৌরসভা, ইউনিয়ন এবং বিভিন্ন দপ্তর থেকে সংগৃহীত তথ্য-উপাত্তসমূহ মাঠ পর্যায়ে অধিকতর যাচাই-বাহাইয়ের জন্য উক্ত সাব-কমিটি কাজ করবেন।


(মোঃ সাজেদুল ইসলাম)
উপজেলা নির্বাহী অফিসার
ও
সহ-সভাপতি
উপজেলা দুর্ঘটনা ব্যবস্থাপনা কমিটি
জগন্নাথপুর, সুনামগঞ্জ।

অনুলিপি : সদস্য অবগতি ও প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য ; (জ্যেষ্ঠতার ক্রমানুসারে নয়)-

১. পরিচালক (পরিকল্পনা ও উন্নয়ন), ডিডিএম এবং প্রকল্প পরিচালক, LDRRP শীর্ষক প্রকল্প, ঢাকা।
২. জেলা প্রশাসক, সুনামগঞ্জ।
৩. অস্থায়ী চেয়ারম্যান, উপজেলা পরিষদ, জগন্নাথপুর, সুনামগঞ্জ।
৪. জেলা ত্রান ও পুনর্বাসন কর্মকর্তা, সুনামগঞ্জ।
৫. নির্বাহী পরিচালক, স্যানিট্রি ওয়েলফেয়ার ফাউন্ডেশন (SWF), হাছননগর, সুনামগঞ্জ।
৬. অফিস নথি।

(2) UzDMC Sub-Committee members for LDRRAP

Sl. No.	Name of the Committee Members	Designation	Position in the Sub-Committee
01.	Mr. Md. Abul Hossain Lalon	Chairman, Upazila Parishad (Acting)	Chairman
02.	Mr. Md. Shajedul Islam	Upazila Nirbahi Officer	Co-chairman
03.	Dr. Madhushudan Dhar	Upazila Health & Family Planning Officer	Member
04.	Mr. Shawakat Osman Majumder	Upazila Agriculture Officer	Member
05.	Mr. Sohrab Hossain	Upazila Engineer, LGED	Member
06.	Mr. Md. Akhtaruzzaman	Upazila Fishery Officer	Member
07.	Mr. Dr. Khaled Saifullah	Upazila Livestock Officer	Member
08.	Mr. Md. Abdur Rob Sarker	Sub-Assistant Engineer, DPHE	Member
09.	Mr. AJM Rezaul Karim	Upazila Women Affairs Officer	Member
10.	Mr. Md. Hasan Gazi	Branch Officer, BWDB	Member
11.	Mr. Ayub Khan	Chairman, Asharkandi Union Parishad	Member
12.	Mr. Shahidul Islam Bakul	Chairman, Chilaura Haldipur Union Parishad	Member
13.	Mr. Al Haj Md. Rafiq Mian	Chairman, Kolkalia Union Parishad	Member
14.	Mr. Shekh Md. Sadrul Islam	Chairman, Raniganj Union Parishad	Member
15.	Mr. Satish Gowsami	Sub-Assistant Engineer, Jagannathpur Municipality	Member
16.	Mr. Md. Shahdat Hossain Bhuiyan	Project Implementation Officer (PIO)	Member of the Office Secretary

Attachment 3: Workshop and other planning activity photos in Jagannathpur



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



