

ID	Program	Target area	Action and Implementation plan				Remarks
			Action	Responsible agency	Ongoing activity/Current status	Actions to be taken	
6-1-B	Preparedness of the materials and equipment for disaster response	All areas	Implementation plan				
			Formation of procurement program	DDM	NGOs have some materials	Need to consider formulating some programs	
			Public and community sanitation promotion program	DPHE	Projects by DPHE are going on.	Install drinking water facilities and wash facilities at primary schools	
						Secure budget	
						10 years, continuously	10 years, continuously

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

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

5.3 Monitoring and Updating of the Plan

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

Step 1: Monthly Monitoring by UzDMC

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

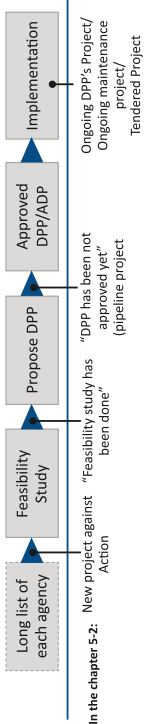


Figure 5-3. Typical Steps for reviewing the Current Implementation Status⁹

Notes:

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

Step 2: Consolidation by DDMC

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

Step 3: Quarterly FPOCG Review and Coordination

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

This discussion includes:

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

⁹ **Ongoing DPP's Project/Tendered Project:** Those projects/Schemes are listed in DPP. Project funds come from ADP/Annual Budget/development partners. This type of project requires F/S and DPP approval. "Ongoing" in this context refers to projects that are currently in the implementation stage or have completed the tendering process. **Ongoing Maintenance Project:** These projects or schemes are included in a specific maintenance list and receive annual approval as part of the Annual Development Plan (ADP). Unlike DPP projects, these do not require a Feasibility Study.

Step 4: Information Sharing and Dialogue

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

Step 5: Recommendation to Review the Plan

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

Step 6: Plan Updating and Documentation

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

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

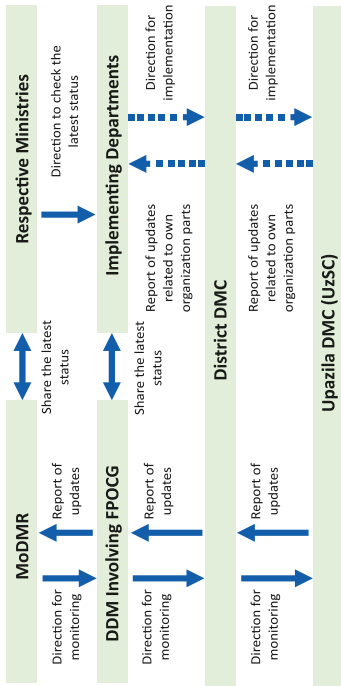


Figure 5-4. Conceptual diagram for monitoring and updating the plan

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

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
1-Reduce inundation risks of DRR-related facilities and central city areas									
ID: 1-1-A Program: Improvement of flood control facilities in some priority areas									
BWDB projects: Embankment									
Chilmari	BWDB		17.5 km river protection work from Nayachar to Old Brahmaputra Offtake	River Erosion	Embankment	Ashtami Char	Prevention of River Erosion	From Dhusarna Thana to Folia Char Khyra Chai	These projects are in line with the BWDB plan and will cover all the
Chilmari	BWDB		1.3 km river protection work from Shanaber to Old Brahmaputra Offtake	Flood	Embankment	Nayachar	Prevention of inundation during flood	On Brahmaputra river bank at Dohin-Pur side	Due to some limitations BWDB survey, BWDB plan will cover all the
Chilmari	BWDB		2.3 km Riverment Work from Current Bazar to Dargah Char/Hopnur/Gabardha District	Flood	Embankment	Ramna	Reducing water logging during rain and flood	From Current Bazar to Dargah Char	Area to install permanent embankments, which reflecting the 1-1-A-1, 2.3 and 4 of Action Plan.
Chilmari	BWDB		Revetment work from Rangari to Ramna	Flood	Embankment	Rangari, Thanahul and Ramna	Reducing water logging during rain and flood	Revetment work from Rangari to Ramna 16.2km	
ID: 1-1-B Program: Improvement of drainage facilities in some priority areas									
BWDB projects: Canal Excavation									
Chilmari	BWDB		Canal excavation at Shahpara kow land in ward no 01	Waterlogging	Canal Excavation	Rangari	Prevention of waterlogging as drains during rain and flood	At Shuhana low land	All the proposals are related to drainage facilities and the BWDB plan, which reflecting the 1-1-B-1 and 3 of Action Plan.
Chilmari	BWDB		Canal excavation at Fakirhat low land in ward no 01	Waterlogging	Canal Excavation	Rangari	Prevention of waterlogging as drains during rain and flood	At Fakirhat low land	
Chilmari	BWDB		Canal excavation at Soudulhat's Field kow land in ward no 01	Waterlogging	Canal Excavation	Rangari	Prevention of waterlogging as drains during rain and flood	At Soudulhat's Field low land	
LGED projects: Drain									
Chilmari	LGED		Construction of Drain from Union Parishad Bazar to Panel (Chairman's House (Ward-02)	Waterlogging	Drain	Ashtami Char	Reducing waterlogging and Improving drainage facility	From Union Parishad Bazar to Panel (Chairman's House	USDC proposed to include it in the drainage master plan, which reflecting the 1-1-B-2 of Action Plan.
Chilmari	LGED		Improvement of drain adjacent to Fakirhat Market	Waterlogging	Drain	Rangari	Prevention of waterlogging during rain and flood	2 no. ward, adjacent to Fakirhat Market	
Chilmari	LGED		Construction of drain adjacent to Thanahul Bazar to ease of movement in the market during waterlogging situation	Waterlogging	Drain	Thanahul	Prevention of waterlogging during rain and flood	Adjacent to Thanahul Bazar	
ID: 1-1-C Program: Raising of land area of key facilities/ Relocation to elevation areas									
DDM/ EED project									
Chilmari	DDM/ EED		Improve by Lifting of the Notkandi High school field with soilward no 2	Flood	Land elevation	Ashtami Char	Prevention of school area	At the Notkandi High school field	This project reflects the 1-1-C-1 of the Action Plan.

Attachment 1-4

Updala	Implementing Agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilman	DDM		Improve by uplighten the grey roadways to turn the shaded roads into light grey.	Flood	Greyward	Asthanir Char	Keeping gravel/grass usable during floods	At behind jayal market	The proposals are not directly related to UPH. This proposal is implemented at the request of Chit Area, so by the m.
Chilman	DDM		Improve by uplighten of a greyward to turn dead people besides Harigan market ward	Flood	Greyward	Asthanir Char	Keeping gravel/grass usable during floods	At behind Harigan market	
Chilman	DDM		Improve by uplighten road greyward to turn dead people besides Asthanir ward	Flood	Greyward	Asthanir Char	Keeping grass/dung usable during floods	At behind Asthanir Union	
ID : 1-Z-4g, Program : Construction and maintenance (incl. raising lands) of multi-purpose shelters									
Chilman	DDM		Construction of a Flood shelter center at Sadiur wholesaler's house ward no 2	Flood	Shelter	Asthanir Char	Improving accommodation facilities during the disaster	At Sadiur wholesaler's house ward no 2	All proposal reflects the 1-2-4, 1,2
Chilman	DDM		Construction of a Flood shelter center at beside blank hilly house ward no 2.	Flood	Shelter	Asthanir Char	Improving accommodation facilities during the disaster	At beside blank Mib's house ward no 2.	
Chilman	DDM		Construction of multipurpose flood Shelter at Nukundani High School	Flood	Shelter	Asthanir Char	Improving accommodation facilities during the disaster	At SAJ Nukundani High School	
Chilman	DDM		Construction of a Flood shelter center at behind Bazar Ushin Sachin's house	Flood	Shelter	Asthanir Char	Improving accommodation facilities during the disaster	At behind Bazar Ushin House	
Chilman	DDM		Construction of a shelter houses at Kajol Danga adjacent	Flood	Shelter	Nayehat	Improving accommodation facilities during the disaster	At Kajol danga adjacent	
Chilman	DDM		Construction of a shelter house at Annaru's House Kriyey Chat adjacent	Flood	Shelter	Nayehat	Improving accommodation facilities during the disaster	At Annaru's House Kriyey Chat adjacent	
Chilman	DDM		Construction of multipurpose flood Shelter at Chilman high school.	Flood	Shelter	Raman	Improving accommodation facilities during the disaster	At Chilman high school.	
Chilman	DDM		Construction of a shelter center at At Ward - 02	Flood	Shelter	Tthanahat	Improving accommodation facilities during the disaster	At At Ward -02	
Chilman	DDM		Construction of multipurpose flood Shelter at Ashanganagar Govt. Primary School	Flood	Shelter	Tthanahat	Improving accommodation facilities during the disaster	At Ashanganagar Govt. Primary School	
LGED projects :Shelter									
Chilman	LGED		Kakapur govt. primary school for shelter	Flood	Shelter	Asthanir Char	Improving accommodation facilities during the disaster	At Kakapur school for shelter	All proposal reflects the 1-2-4, 4,5
Chilman	LGED		Construction of multipurpose flood Shelter at Saligara Govt. Primary School	Flood	Shelter	Asthanir Char	Improving accommodation facilities during the disaster	At Saligara Govt. Primary School	
Chilman	LGED		Construction of multipurpose flood Shelter at Chor Petrokhata Gov. Primary school.	Flood	New Construction	Ramang	Improving accommodation facilities during the disaster	Adjacent Madan Gov. Primary school.	
Chilman	LGED		Construction of a shelter center at Adjacent Madan Mahan Government Primary School	Flood	New construction	Ramang	Improving accommodation facilities during the disaster	Madan Government Primary School	
Chilman	LGED		Construction of multipurpose flood Shelter at Mojarat Govt. Primary school	Flood	Shelter	Tthanahat	Improving accommodation facilities during the disaster	At Mojarat Govt. Primary school	
Chilman	LGED		Construction of multipurpose flood Shelter at Radhabab Kair Path Govt Primary school	Flood	New construction	Tthanahat	Improving accommodation facilities during the disaster	At Radhabab Kair Path Govt Primary school	
Chilman	LGED		Construction of multipurpose flood Shelter at Babbar thik 2 no Govt. Primary School	Flood	Shelter	Tthanahat	Improving accommodation facilities during the disaster	At Babbar thik 2 no Govt. Primary school	
Chilman	LGED		Construction of multipurpose flood Shelter at Babbar BL Vnph School	Flood	Shelter	Tthanahat	Improving accommodation facilities during the disaster	At Babbar BL Vnph School	
Chilman	LGED		Construction of multipurpose flood Shelter at Mozadanga Govt. Primary School	Flood	New construction	Tthanahat	Improving accommodation facilities during the disaster	At Mozadanga Govt. Primary School	
Chilman	LGED		Construction of multipurpose flood Shelter at Rajarajita Govt. Primary School	Flood	New construction	Tthanahat	Improving accommodation facilities during the disaster	At Rajarajita Govt. Primary School and Madrasa	

Attachment 1-7

Appraisal	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Countermeasures	Remarks
Chittiman	DDM		Improvement of a road from Hazipara Mosque to Awel teachers' house ward 2.	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Hazipara Mosque to Awel teachers' house	From Hazipara Member's house	
Chittiman	DDM		Improvement of a road from Wazed member's house to Nohardand (D) High School ward no 2.	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Wazed member's house to Nohardand (D) High School	From Wazed member's house to Nohardand (D) High School	
Chittiman	DDM		Improvement of a road from Mudatir Etidash's house to saidur wholesalers house ward no 2.	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Mudatir Etidash's house to saidur wholesalers house	From Mudatir Etidash's house to saidur wholesalers house	
Chittiman	DDM		Improvement of a road from Fardous teachers' house to Fakrapa Mosque ward no 2.	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Fardous teachers' house to Fakrapa Mosque	From Fardous teachers' house to Fakrapa Mosque	
Chittiman	DDM		Improvement of a road from Shaid Ali's administrative boundary ward no 3.	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Shaid Ali's administrative boundary ward no 3	From Shaid Ali's administrative boundary ward no 3	
Chittiman	DDM		Rehabilitation of Road from 3 no ward Khaleque Khoye Chait to 6 no ward Chhushman Thana.	Flood	Rehabilitation of road	Ashtamir Char	Maintaining the road network for economic losses during floods	From 3 no ward Khaleque Khoye Chait to 6 no ward Chhushman Thana.	From 3 no ward Khaleque Khoye Chait to 6 no ward Chhushman Thana.	
Chittiman	DDM		Improvement of a road from Purojo Motar Kandol Salain's house to Timohin road ward no 3).	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Purojo Motar Kandol Salain's house to Timohin road	From Purojo Motar Kandol Salain's house to Timohin road	
Chittiman	DDM		Improvement of a road from Monnal Ali's house to Goalepara Tara Mah's house ward no 3).	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Monnal Ali's house to Goalepara Tara Mah's house	From Monnal Ali's house to Goalepara Tara Mah's house	
Chittiman	DDM		Improvement of a road from Nabin Ali's house to Shahabwa's house ward no 3).	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Nabin Ali's house to Shahabwa's house	From Nabin Ali's house to Shahabwa's house	
Chittiman	DDM		Improvement of a road from Bhuwpara Jame Mosque to Samul's house ward no 3).	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Bhuwpara Jame Mosque to Samul's house	From Bhuwpara Jame Mosque to Samul's house	
Chittiman	DDM		Improvement of a road from Salipara Govt. Primary School to Azad Mursi's house ward no 4).	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Salipara Govt. Primary School to Azad Mursi's house	From Salipara Govt. Primary School to Azad Mursi's house	
Chittiman	DDM		Improvement of a road from Agam's house to Ramus Sunah Nuran Madrasa ward no 3).	Flood	Improvement of the Road	Ashtamir Char	Maintaining the road network for economic losses during floods	From Agam's house to Ramus Sunah Nuran Madrasa	From Agam's house to Ramus Sunah Nuran Madrasa	

Attachment 1-6

Specialization	Implementing Agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area or countermeasures	Remarks
Chittiman	LGED	143983006	Thanaht UP office at Babaharjan Right road	Flood	Road	Improvement of the Road	Thanaht	Maintaining the road network for evacuation and reducing economic losses during floods	From Lular Rahman's house to Saidul member's house	
Chittiman	LGED	143985010	Mojadanga GPs to Samlith s.	Flood	Road	Improvement of the Road	Thanaht	Maintaining the road network for evacuation and reducing economic losses during floods	From Azzaz Master's house(igapara) to Baganheri	
Chittiman	LSED	143985007	BWD embankment-Righter ghāt via Noushewar dola	Flood	Road	Improvement of the Road	Thanaht	Maintaining the road network for evacuation and reducing economic losses during floods	From Tātpara Govt. Primary School to Fokier Vile	
Chittiman	LGED	143985033	Thanaht Forestry office-Palajia via Mondipora road	Flood	Road	Improvement of the Road	Thanaht	Maintaining the road network for evacuation and reducing economic losses during floods	Govt. Pichikondakhan Bon Biwag Jame Mosque	
Chittiman	LGED	143985032	Thanaht Dulsh house-Vulumam Kojalsangra road	Flood	Road	Improvement of the Road	Thanaht	Maintaining the road network for evacuation and reducing economic losses during floods	Departs' house to Gabbar Sol	
Chittiman	LGED	143984028	C/BKAF office-Shimo Muiulu Moschter par	Flood	Road	Improvement of the Road	Thanaht	Maintaining the road network for evacuation and reducing economic losses during floods	From Jurnama Star Mapel to Moq's par	
Chittiman	LGED	143985005	BWDB embankment at Putman Kazaldanga Shipghat.	Flood	Road	Improvement of the Road	Thanaht	Maintaining the road network for evacuation and reducing economic losses during floods	From Rajayvita Madashta to Masthal	
Chittiman	LGED	143984010	Thanaht-Sabjapur to malai adasho bazar	Flood	Road	Improvement of the Road	Thanaht	Maintaining the road network for evacuation and reducing economic losses during floods	From Dongor Mar to Adashapara pucca road	
Chittiman	LGED	143984027	Bhangrhat Pacca Mid-Hemachory, School	Flood	Road	Improvement of the Road	Thanaht	Maintaining the road network for evacuation and inducing economic losses during floods	From Baharer Ghāt to Machanda Govt.	
Chittiman	LGED	143984035	Thanaht-Jogpath UZR at nosoudid more - pura machandha (sarhenla UNR)	Flood	Road	Improvement of the Road	Thanaht	Maintaining the road network for evacuation and reducing economic losses during floods	From Humayun Journalist house to Behrivta Rajlu's house	
Chittiman	DDM		Improvement of Road from Alakh's House to Kyga Chat (Ward-01)	Flood	Road	Improvement of the Road	Asthamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Alakh's House to Kyga Chat	This proposals are selected as Second and Third priority roads. Which reflecting the 1-2-3-4 and Action Plan.
Chittiman	DDM		Improvement of Road from Nozin Mya's House to Hanif Ali's House (Ward-01)	Flood	Road	Improvement of the Road	Asthamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Nozin Mya's House to Hanif Ali's House	
Chittiman	DDM		Improvement of Road from Sayet's House to Belur Moor (Ward-01)	Flood	Road	Improvement of the Road	Asthamir Char	Maintaining the road network for evacuation and reducing economic losses during floods	From Sayet's House to Belur Moor	

Attachment 1-9

Specialist	Implementing agency	Official ID	Official Name	Type of hazard	Category of hazard	Countermeasures	Union	Purpose	Countermeasures	Remarks
Chilman	Chilman	DDM	Improvement of Road from Okhadi Member's house to Rajadui's house	Flood	Road	Improvement of the Road	Chilman	Maintaining the road network for evacuation and reducing economic losses during floods	From Okhadi Member's house to Rajadui's house	
Chilman	Chilman	DDM	Improvement of Road with sufficient culvert from Haisa-Bhaskar Shikher center to Kajol	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Haisa-Bhaskar Shikher center to Kajol	
Chilman	Chilman	DDM	Improvement of road with sufficient culvert from Bomrone Hat Govt. Primary school to Kajol	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Bomrone Hat Govt. Primary school to Kajol	
Chilman	Chilman	DDM	Improvement of road from Pochim Khuya Ghat via Chagragar Ghat to Dokhin Khuya Ghat via Chagragar Ghat.	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Pochim Khuya Ghat to Dokhin Khuya Ghat via Chagragar Ghat.	
Chilman	Chilman	DDM	Feaka Bokar's house to Gonerpool	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	Bokar's house to Gonerpool	
Chilman	Chilman	DDM	Improvement of road from Gonerpool to north side lake	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Gonerpool to north side lake	
Chilman	Chilman	DDM	Improvement of road from G.P.G. Primary School to Goner chor Friendship classro	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From G.P.G. Primary School to Goner chor	
Chilman	Chilman	DDM	Improvement of road from G.P.G. Primary School to Northside community Clinic	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From G.P.G. Primary School to Northside Feaka community	
Chilman	Chilman	DDM	Improvement of road from Mollu Bazar Char community Clinic Khuya Ghat	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Mollu Bazar Char community Clinic Khuya Ghat	
Chilman	Chilman	DDM	Improvement of road from Northside Union Health and Family Hospital to Brahmaputra River Khuya Ghat	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Northside Union Health and Family Hospital to Brahmaputra River Khuya Ghat	
Chilman	Chilman	DDM	Improvement of road from Utor Khoma's char to Dokhin side Amul's House adjacent	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Utor Khoma's char to Dokhin side	
Chilman	Chilman	DDM	Improvement of road at Utor Khawmar Char Khuya Ghat to Pochim side Brahmaputra river	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	At Utor Khawmar Char Khuya Ghat to Pochim side Brahmaputra river	
Chilman	Chilman	DDM	Improvement of road from Khuya Char Bridge to Hama's House via Shamsul and Sher-e-Bangla Hose.	Flood	Road	Improvement of the Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Khuya Char Bridge to Hama's House via Shamsul and Sher-e-Bangla Hose.	

Attachment 1-8

Specialized	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Union	Purpose	Point/Area of concern	Remarks
Chittaran	DMM		Rehabilitation of Road from House of Mahabur to House of Shadair	Flood	Rehabilitation	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From House of Mahabur to House of Shadair	
Chittaran	DMM		Improvement of road from Monju/Mis's house to Khaleque Members' house	Flood	Improvement of the Road	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From Monju Mis's house to Khaleque Members' house	
Chittaran	DMM		Improvement of a road from Salm's house to Anbegar.	Flood	Improvement of the Road	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From Salm's house to Anbegar.	
Chittaran	DMM		Rehabilitation of Road from Badshah's Shop to Mohizol's House	Flood	Rehabilitation	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From Badshah's Shop to Mohizol's House	
Chittaran	DMM		Improvement of road from 9 no ward Adnur Rahat's House to Sumtazzam's House.	Flood	Improvement of the Road	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From 9 no ward Adnur Rahat's House to Sumtazzam's House.	
Chittaran	DMM		Rehabilitation of road from Nuruzzaman's House to Amin's House.	Flood	Rehabilitation	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From Nuruzzaman's House to Amin's House.	
Chittaran	DMM		Rehabilitation of road from Kora/Banshal Khayra Chat to Dhusmanara Govt. primary school.	Flood	Rehabilitation	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From Kora/Banshal Khayra Chat to Dhusmanara Govt. primary school.	
Chittaran	DMM		Improvement of Road from Aminda Shelter Center to House of Badsha Joarder	Flood	Improvement of the Road	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	Center to House of Badsha Joarder	
Chittaran	DMM		Improvement of Road from Bologampur Mohajir's House to Khaleq's House	Flood	Improvement of the Road	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From Bologampur Mohajir's House to Khaleq's House	
Chittaran	DMM		Improvement of Road from Kora/Banshal Shelter Center to Solaimuddin's House	Flood	Improvement of the Road	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	Solaimuddin's Shelter Center to Kora/Banshal Shelter Center	
Chittaran	DMM		Improvement of Road from Aminda shelter center to 8 no ward shelter center.	Flood	Improvement of the Road	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From Aminda shelter center to 8 no ward shelter center.	
Chittaran	DMM		Improvement of road from Northda Govt. Primary school to Monju Mis's House.	Flood	Improvement of the Road	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From Northda Govt. Primary school to Monju Mis's House.	
Chittaran	DMM		Improvement of Road from Shihaur Kunas Member's Shop to Gas Bagan Bhokue.	Flood	Improvement of the Road	Chittaran	Maintaining the road network for evacuation and reducing economic losses during floods	From Khaleque Member's Shop to Gas Bagan Bhokue.	

Attachment 1-10

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DCM		Improvement of road from Khemra Char Bir Khajay Chait.	Flood	Road	Nayenhat	Maintaining the road network for economic losses during floods	From Khemra Char Bir Chait	
Chilmari	DCM		Improvement of Road from Khemra Char Bir School to Brahmaputra river	Flood	Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Khemra Char Bir School	
Chilmari	DCM		Bazar via Sheikh's House	Flood		Nayenhat	Maintaining the road network for economic losses during floods	From Khemra Char Bazar	
Chilmari	DCM		Improvement of road from Shamshul's House to 3No. Electric Piller via Shaydur House.	Flood	Road	Nayenhat	Maintaining the road network for economic losses during floods	From Shamshul's House	
Chilmari	DCM		Bazar adjacent Budul's House to Dakhin side	Flood	Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	Dakhin side Polash's House	
Chilmari	DCM		Improvement of road from Khemra Char gusso gram to Hasna's house via habub's house.	Flood	Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Khemra Char gusso gram to Hasna's house via habub's house.	
Chilmari	DCM		Improvement of road from Dakhin Char Khadman Hasna's House to Dakhin side	Flood	Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Dakhin Char Khadman Hasna's House to Dakhin side	
Chilmari	DCM		Improvement of road from Khemra Char Bir Khemra Char Khajay Chait.	Flood	Road	Nayenhat	Maintaining the road network for economic losses during floods	From Khemra Char Bir Khemra Char Khajay Chait.	
Chilmari	DCM		Improvement of road from nayenhat badol more to Bokor's house via Joyenat's house.	Flood	Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From nayenhat badol more to Bokor's house via Joyenat's house.	
Chilmari	DCM		Improvement of road from Mondoban jame Mosque to nayenhat badol more.	Flood	Road	Nayenhat	Maintaining the road network for evacuation and reducing economic losses during floods	From Mondoban jame Mosque to nayenhat badol more.	
Chilmari	DCM		Improvement of road from Joba's house to Brahmaputra river ghai.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Joba's house to Brahmaputra river ghai.	
Chilmari	DCM		Improvement of road from Joba's house to Tossuldar's house.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Joba's house to Tossuldar's house.	
Chilmari	DCM		Improvement of road from Chib road to Shalom masters' houses.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Chib road to Shalom masters' houses.	
Chilmari	DCM		Improvement of road from Berbadh to Gadam habib eidgh math.	Flood	Road	Rama	Maintaining the road network for evacuation and reducing economic losses during floods	From Berbadh to Gadam habib eidgh math	
Chilmari	DCM		Improvement of road from Monour's police house to Bokhin site ber badh.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Monour's police house to Bokhin site ber badh.	

Attachment 1-11

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DCM		Improvement of road from Beni bath to Babul's house via ulfor.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Beni bath to Babul's house via ulfor	
Chilmari	DCM		Improvement of road from Rama 2no. Gov. Primary school to Fojil's house.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Rama 2no. Gov. Primary school to Fojil's house.	
Chilmari	DCM		Improvement of road from Kalipat's house to Chopor's house.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Kalipat's house to Chopor's house.	
Chilmari	DCM		Improvement of road from Adhar's house to Isahak's house.	Flood	Road	Rama	Maintaining the road network for evacuation and reducing economic losses during floods	From Adhar's house to Isahak's house.	
Chilmari	DCM		Improvement of road from Jobbar's house to Dolena's house.	Flood	Road	Rama	Maintaining the road network for evacuation and reducing economic losses during floods	From Jobbar's house to Dolena's house	
Chilmari	DCM		Improvement of road from Aled alf's house to Bahur nur jame mosque.	Flood	Road	Rama	Maintaining the road network for evacuation and reducing economic losses during floods	From Aled alf's house to Bahur nur jame mosque.	
Chilmari	DCM		Improvement of road from Mizaur's house to Jolli's house.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Mizaur's house to Jolli's house	
Chilmari	DCM		Improvement of road from Abdul khak's house to Babu mia's house.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Abdul khak's house to Babu mia's house.	
Chilmari	DCM		Improvement of road from Labhis store to Mudabothana high school.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Labhis store to Mudabothana high school	
Chilmari	DCM		Improvement of road from Nomodir more to Jorgec Gov.Primary school.	Flood	Road	Rama	Maintaining the road network for evacuation and reducing economic losses during floods	From Nomodir more to Jorgec Gov.Primary school	
Chilmari	DCM		Improvement of road from Babul's house to Aual's house.	Flood	Road	Rama	Maintaining the road network for evacuation and reducing economic losses during floods	From Babul's house to Aual's house	
Chilmari	DCM		Improvement of road from Modar's house to Babor's house.	Flood	Road	Rama	Maintaining the road network for evacuation and reducing economic losses during floods	From Modar's house to Babor's house.	
Chilmari	DCM		Improvement of road from Misar's house to Modar's house.	Flood	Road	Rama	Maintaining the road network for economic losses during floods	From Misar's house to Modar's house.	

Attachment 1-13

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Improvement of road from Fulebad's store to Mondol para mosque.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Alamin Jame Mosque to Layla's house.	
Chilmari	DDM		Improvement of road from Alamin Jame Mosque to Layla's house.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Alamin Jame Mosque to Layla's house.	
Chilmari	DDM		Improvement of road from D.A govt primary school to olda badi.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From D.A govt primary school to olda badi.	
Chilmari	DDM		Improvement of road from Sayed's store to Labu's house.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Sayed's store to Labu's house.	
Chilmari	DDM		Improvement of road from Mirasal house to Ajit's house.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Mirasal house to Ajit's house.	
Chilmari	DDM		Improvement of road from Ehsad's house to Ram's store.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Ehsad's store to Ram's store.	
Chilmari	DDM		Improvement of road from Jorjace nolan bazar to Pakar matha bridge.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Jorjace nolan bazar to Pakar matha bridge.	
Chilmari	DDM		Improvement of road from Hajir's house to Main road.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Hajir's house to Main road.	
Chilmari	DDM		Improvement of road from Bgula's store to Sofik's member house via mosque.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Bgula's store to Sofik's member house via mosque.	
Chilmari	DDM		Improvement of road from Bokul's house to Sofik's BDR house.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Bokul's BDR house.	
Chilmari	DDM		Improvement of road from Kheul's army house to Shokul's BDR house.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Kheul's army house to Shokul's BDR house.	
Chilmari	DDM		Improvement of road from Hajj para Govt Primary school to Tisla River.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Hajj para Govt Primary school to Tisla River.	
Chilmari	DDM		Improvement of road from Hamid's store to Sujal's store pakhar matha.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Hamid's store to Sujal's store pakhar matha.	

Attachment 1-12

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Improvement of road from Fulebad's store to Mondol para mosque.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Fulebad's store to Mondol para mosque.	
Chilmari	DDM		Improvement of road from Alamin Jame Mosque to Layla's house.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Alamin Jame Mosque to Layla's house.	
Chilmari	DDM		Improvement of road from Sayed's store to Labu's house.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Sayed's store to Labu's house.	
Chilmari	DDM		Improvement of road from Mirasal house to Ajit's house.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Mirasal house to Ajit's house.	
Chilmari	DDM		Improvement of road from Ehsad's house to Ram's store.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Ehsad's store to Ram's store.	
Chilmari	DDM		Improvement of road from Jorjace nolan bazar to Pakar matha bridge.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Jorjace nolan bazar to Pakar matha bridge.	
Chilmari	DDM		Improvement of road from Hajir's house to Main road.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Hajir's house to Main road.	
Chilmari	DDM		Improvement of road from Bgula's store to Sofik's member house via mosque.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Bgula's store to Sofik's member house via mosque.	
Chilmari	DDM		Improvement of road from Bokul's house to Sofik's BDR house.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Bokul's BDR house.	
Chilmari	DDM		Improvement of road from Kheul's army house to Shokul's BDR house.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Kheul's army house to Shokul's BDR house.	
Chilmari	DDM		Improvement of road from Hajj para Govt Primary school to Tisla River.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Hajj para Govt Primary school to Tisla River.	
Chilmari	DDM		Improvement of road from Hamid's store to Sujal's store pakhar matha.	Flood	Road	Ramna	Maintaining the road network for evacuation and reducing economic losses during floods	From Hamid's store to Sujal's store pakhar matha.	

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

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Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Rehabilitation of bridge at Dangar chor Gov. Primary school and Alongir's house.	Waterlogging	Bridge	New construction	Rama	Reducing rain and floods	At Adjacent to Dangar chor Gov. Primary school and Alongir's house.	This proposals are selected as Second and Third priority roads, Which reflecting the 1-2-b-1 and 2 of Action Plan.
Chilmari	DDM		Rehabilitation of bridge at old bridge.	Waterlogging	Bridge	Rehabilitation	Rama	Reducing rain and floods	At old bridge.	
Chilmari	DDM		Construction of a Bridge adjacent to Wood bridge and Ekdah mly.	Waterlogging	Bridge	New construction	Rama	Reducing rain and floods	At Adjacent to Wood bridge.	
Chilmari	DDM		Construction of a Bridge besides Matchendes Pharamapara Hamir's house.(Ward -09)	Flood	Bridge	New construction	Thanahat	Maintaining the road network during floods	At Besides Matchendes Pharamapara Hamir's house	
Chilmari	DDM		Construction of a Bridge besides Khamir Ghat (Ward -09)	Flood	Bridge	New construction	Thanahat	Maintaining the road network during floods	At Besides Khamir Ghat	
Chilmari	DDM		Repair of a Bridge Over Buru Teesta River between Md Jannal Ma's house and Haran Bernam's house at ward no 1	Flood	Bridge	New construction	Thanahat	Reducing water logging during rain and floods	Over Buru Teesta River between Md Jannal Ma's house and Haran Bernam's house	
Chilmari	LGED	14904002	Construction of culvert adjacent to Bari bath.(Ward -04) at Thanahat UPF office at	Waterlogging	Culvert	New construction	Rama	Reducing waterlogging and improving drainage facility	Adjacent to Bari bath.	
Chilmari	LGED	149043004	Construction of culvert adjacent to Sayed's Gabola to Ranggoni UPF road	Waterlogging	Culvert	New construction	Rama	Reducing waterlogging and improving drainage facility	Adjacent to Sayed's store.	
Chilmari	LGED	149045052	Construction of culvert near ghat road Kalkapur near ghat road	Waterlogging	Culvert	New construction	Rama	Reducing waterlogging and improving drainage facility	Adjacent to Tal para jame mosque.	
Chilmari	LGED	149043003	Construction of culvert adjacent to Bari bath.(Ward -04) at Thanahat UPF office at	Waterlogging	Culvert	New construction	Rama	Reducing waterlogging and improving drainage facility	Adjacent to Bari bath.	
Chilmari	LGED	149043003	Construction of culvert adjacent to Bari bath.(Ward -04) at Thanahat UPF office at	Waterlogging	Culvert	New construction	Rama	Reducing waterlogging and improving drainage facility	Adjacent to Bari bath.	
Chilmari	LGED	149043003	Construction of culvert adjacent to Bari bath.(Ward -04) at Thanahat UPF office at	Waterlogging	Culvert	New construction	Rama	Reducing waterlogging and improving drainage facility	Adjacent to Bari bath.	
Chilmari	LGED	149043003	Construction of culvert adjacent to Bari bath.(Ward -04) at Thanahat UPF office at	Waterlogging	Culvert	New construction	Rama	Reducing waterlogging and improving drainage facility	Adjacent to Bari bath.	

Specialized	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of concern/suscepters	Remarks
Chilman	DfM		Construction of new culvert in the location (identified as -01) (Ward -06)	Waterlogging	culvert	New construction	Chilman	Reducing waterlogging and improving drainage facility (center, location-01)	Besides Alibala Shelter	
Chilman	DfM		Construction of new culvert in the location (identified as -02 (Ward -07)	Waterlogging	culvert	New construction	Chilman	Reducing waterlogging and improving drainage facility (center, location-02)	Besides Alibala Shelter	
Chilman	DfM		Construction of culvert adjacent to the bus-shelter	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility	At-Helile-Bokana Shelter	
Chilman	DfM		Construction of culvert at Gomomon hut	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	At Gomomon hut	
Chilman	DfM		Construction of culvert adjacent to Govt.Primary school (Ward -01)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	Govt.Primary school adjacent	
Chilman	DfM		Construction of culvert adjacent to Shokwepara Jame Mosque.(Ward -02)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	Shokwepara Jame Mosque	
Chilman	DfM		Construction of culvert at Shokwepara Jame mosque adjacent (Ward -02)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	At Shokwepara Jame Mosque	
Chilman	DfM		Construction of culvert at G.P.G. Primary School adjacent (Ward -02)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	At G.P.G. Primary School adjacent	
Chilman	DfM		Construction of culvert at Northside Feske community Clinic adjacent (Ward -05)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	At Northside Feske community Clinic adjacent	
Chilman	DfM		Construction of culvert at Mondobalan Jame Mosque adjacent (Ward -05)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	At Mondobalan Jame Mosque adjacent	
Chilman	DfM		Construction of Culvert at Aminu's House adjacent (Ward -06)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	At Aminu's House adjacent	
Chilman	DfM		Construction of Culvert-At-Friend ship Gussu Gram adjacent (Ward -06)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	At-Friend ship Gussu Gram adjacent	
Chilman	DfM		Construction of Culvert-2 at Friend ship Gussu Gram adjacent (Ward -06)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	At-Friend ship Gussu Gram adjacent	
Chilman	DfM		Construction of Culvert at Poshim side Barampura river bank adjacent (Ward -06)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	At Poshim side Barampura river bank adjacent	
Chilman	DfM		Construction of Culvert at Moyanhat (Ward -07)	Flood	culvert	New construction	Nayernhat	Prevention of flooding by improving drainage facility.	At Moyanhat (Ward -07)	

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Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks
Chilmari	DDM		Construction of Lightning Protection Tower at Taji's House adjacent Ward no-5 in Nayehat Union	Lightning	Lightning protection towers	New construction	Nayehat	Prevention the Lightning	At Taji's House adjacent	
Chilmari	DDM		Construction of Lightning Protection Tower at Moya's Health and Family Welfare Union	Lightning	Lightning protection towers	New construction	Nayehat	Prevention the Lightning	At Moya's Health and Family Welfare Union	
Chilmari	DDM		Construction of Lightning Protection Tower at Mulla Bazar Char Model Kalkapur Ward no-1 in Nayehat Union	Lightning	Lightning protection towers	New construction	Nayehat	Prevention the Lightning	At Mulla Bazar Char Model Kalkapur	
Chilmari	DDM		Construction of Lightning Protection Tower at Adjacent to Friendship primary school Ward no-1 in Chilmari Union	Lightning	Lightning protection towers	New construction	Nayehat	Prevention the Lightning	Adjacent to friendship primary school	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-7 in Chilmari Union	Lightning	Lightning protection towers	New construction	Chilmari	Prevention the Lightning	At ward no 7	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-8 in Chilmari Union	Lightning	Lightning protection towers	New construction	Chilmari	Prevention the Lightning	At ward no 8	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-5 in Ashiamir Char Union	Lightning	Lightning protection towers	New construction	Ashiamir Char	Prevention the Lightning	At Ward 05	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-5 in Ashiamir Char Union	Lightning	Lightning protection towers	New construction	Ashiamir Char	Prevention the Lightning	At Ward 05	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-4 in Ashiamir Char Union	Lightning	Lightning protection towers	New construction	Ashiamir Char	Prevention the Lightning	At Ward 04	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-2 in Ashiamir Char Union	Lightning	Lightning protection towers	New construction	Ashiamir Char	Prevention the Lightning	At Ward 02	
DPM projects : lightning arrester										
ID: 4-1-A Program: Installation and maintenance of lightning arresters / evacuation shelters for people and livestock(4-1-B is integrated)										
4-1 Evacuation and response to lightning strike										
Chilmari	DDM		From Rajad's house to Noyamir's house in ward number 3, Ramna union.	Flood	Guide Wall	New construction	Ramna	Prevention during Flood	From Rajad's house to Noyamir's house	
Chilmari	DDM		From Rajad's house to Noyamir's house in ward number 3, Ramna union.	Flood	Guide Wall	New construction	Ramna	Prevention during Flood	From Rajad's house to Noyamir's house	
Chilmari	DDM		From Rajad's house to Noyamir's house in ward number 3, Ramna union.	Flood	Guide Wall	New construction	Ramna	Prevention during Flood	From Rajad's house to Noyamir's house	
DPM projects : Guide Walls										
ID: 2-1-A Program: Introduction of emergency measures (e.g., sandbags) for revetment, and dredging										
2-1 Urgently control the progress of riverbank erosion by emergency measures										
Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks

Chilmari	DDM		Construction of Lightning Protection Tower at Taji's House adjacent Ward no-5 in Nayehat Union	Lightning	Lightning protection towers	New construction	Nayehat	Prevention the Lightning	At Taji's House adjacent	
Chilmari	DDM		Construction of Lightning Protection Tower at Moya's Health and Family Welfare Union	Lightning	Lightning protection towers	New construction	Nayehat	Prevention the Lightning	At Moya's Health and Family Welfare Union	
Chilmari	DDM		Construction of Lightning Protection Tower at Mulla Bazar Char Model Kalkapur Ward no-1 in Nayehat Union	Lightning	Lightning protection towers	New construction	Nayehat	Prevention the Lightning	At Mulla Bazar Char Model Kalkapur	
Chilmari	DDM		Construction of Lightning Protection Tower at Adjacent to Friendship primary school Ward no-1 in Chilmari Union	Lightning	Lightning protection towers	New construction	Nayehat	Prevention the Lightning	Adjacent to friendship primary school	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-7 in Chilmari Union	Lightning	Lightning protection towers	New construction	Chilmari	Prevention the Lightning	At ward no 7	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-8 in Chilmari Union	Lightning	Lightning protection towers	New construction	Chilmari	Prevention the Lightning	At ward no 8	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-5 in Ashiamir Char Union	Lightning	Lightning protection towers	New construction	Ashiamir Char	Prevention the Lightning	At Ward 05	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-5 in Ashiamir Char Union	Lightning	Lightning protection towers	New construction	Ashiamir Char	Prevention the Lightning	At Ward 05	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-4 in Ashiamir Char Union	Lightning	Lightning protection towers	New construction	Ashiamir Char	Prevention the Lightning	At Ward 04	
Chilmari	DDM		Construction of Lightning Protection Tower at Ward no-2 in Ashiamir Char Union	Lightning	Lightning protection towers	New construction	Ashiamir Char	Prevention the Lightning	At Ward 02	
DPM projects : lightning arrester										
ID: 4-1-A Program: Installation and maintenance of lightning arresters / evacuation shelters for people and livestock(4-1-B is integrated)										
4-1 Evacuation and response to lightning strike										
Chilmari	DDM		From Rajad's house to Noyamir's house in ward number 3, Ramna union.	Flood	Guide Wall	New construction	Ramna	Prevention during Flood	From Rajad's house to Noyamir's house	
Chilmari	DDM		From Rajad's house to Noyamir's house in ward number 3, Ramna union.	Flood	Guide Wall	New construction	Ramna	Prevention during Flood	From Rajad's house to Noyamir's house	
Chilmari	DDM		From Rajad's house to Noyamir's house in ward number 3, Ramna union.	Flood	Guide Wall	New construction	Ramna	Prevention during Flood	From Rajad's house to Noyamir's house	
DPM projects : Guide Walls										
ID: 2-1-A Program: Introduction of emergency measures (e.g., sandbags) for revetment, and dredging										
2-1 Urgently control the progress of riverbank erosion by emergency measures										
Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Countermeasures	Countermeasures	Union	Purpose	Point/Area of the countermeasures	Remarks

A3-4-354

Upazila	Implementing agency	Official ID	Official Name	Type of hazard	Category of Contingency measures	Contingency measures	Union	Purpose	Point/Area of the countermeasures	Remarks
5-1 Provide stable water supply for the fields and livestock										
ID: 5-1 Program: Expansion and improvement of irrigation facilities / water storage facilities (e.g., reservoir) (5-1-B is integrated)										
BADC projects : Irrigation pumps										
Chilmari	BADC	(02)	Installation of Irrigation Pump (Ward Number 02)	Drought	Irrigation pumps	New construction	Ashtham Char	Provision of irrigation and drinking water during drought	At Ward Number 02	All proposals are reflecting the 5-1 of Action Plan.
Chilmari	BADC	(02)	Installation of deep irrigation pumps in Sakharat (Ward-06)	Drought	Irrigation pumps	New construction	Chilmari	Provision of irrigation and drinking water during drought	At Sakharat Ward-06	
Chilmari	BADC	(02)	Installation of deep irrigation pumps in Bharpura (Ward-07)	Drought	Irrigation pumps	New construction	Chilmari	Provision of irrigation and drinking water during drought	At Bharpura Ward-07	
Chilmari	BADC	(09)	Installation of deep irrigation pumps in Karibansal (Ward-09)	Drought	Irrigation pumps	New construction	Chilmari	Provision of irrigation and drinking water during drought	At Karibansal Ward-09	
Chilmari	BADC	(09)	Installation of deep irrigation pumps in Dhushtama area	Drought	Irrigation pumps	New construction	Chilmari	Provision of irrigation and drinking water during drought	At Dhushtama area	
Chilmari	BADC	(04)	Installation of Irrigation Pump (Ward Number 04)	Drought	Irrigation pumps	New construction	Thanahat	Provision of irrigation and drinking water during drought	At Ward Number 04	
Chilmari	BADC	(07)	Installation of Irrigation Pump (Ward Number 07)	Drought	Irrigation pumps	New construction	Thanahat	Provision of irrigation and drinking water during drought	At Ward Number 07	
BADC projects : Sluice Gate										
Chilmari	LGED		Construction a Sluice gate at Sakharat of Chilmari Union	Flood	Sluice Gate	New construction	Chilmari	Reducing economic losses by supporting irrigation	At Sakharat	All proposals are reflecting the 5-1 of Action Plan.
Not included in the action plan										
Shelter Projects										
Chilmari			Construction of a Flood shelter center at the end of Mudatol Boundary ward no 2.	Flood	Shelter	New construction	Ashtham Char	Improving accommodation facilities during the disaster	At the end of Mudatol Boundary ward no 2.	This projects are not match with the criteria, Which reflects the 1-1-C of the Action Plan
Chilmari			Construction of a shelter center at Aminul's House Khuya Chat adjacent	Flood	Shelter	New construction	Ashtham Char	Improving accommodation facilities during the disaster	At Aminul's House Khuya Chat adjacent	
Chilmari			Construction of a Flood shelter center at Besides Khunda Jame Mosque	Flood	Shelter	New construction	Ashtham Char	Improving accommodation facilities during the disaster	At Besides Khunda Jame Mosque	
Chilmari			Construction of a shelter house at Jorgac Bazar near Khunda Jame Mosque	Flood	Shelter	New construction	Ramna	Improving accommodation facilities during the disaster	At Jorgac Bazar near Khunda Jame Mosque	
Chilmari			Construction of a shelter center at adjacent to Khusar par Jame mosque.	Flood	Shelter	New construction	Ramna	Improving accommodation facilities during the disaster	Adjacent to Khusar par Jame mosque	
Chilmari			Construction of a Flood shelter center at Odhakarpara	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Odhakarpara	
Chilmari			Construction of a Flood shelter center at Purtham Kajol dangra village	Flood	Shelter	New construction	Thanahat	Improving accommodation facilities during the disaster	At Purtham Kajol dangra village	
Upliftment of land area Project										
Chilmari			Improve by Upliftment at field of Ujar Dalapara Hamus Sunnah Nuran Madrasa	Flood	Land elevation	New construction	Ashtham Char	Prevention of school/Madrasa area inundation during flood	At field of Ujar Dalapara Hamus private institution land, which is confirmed that it is out of scope.	

Attachment 1-22

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

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan (CEPI-LDRRP)
স্থানীয় সত্কার উপদ্রুতি প্লান তৈরির প্রক্রিয়ায়

স্বাধীন সংগঠন কক্ষ, উপজেলা পরিষদ কক্ষ, চিলমারী, কুষ্টিয়া জেলা

তারিখ: ১৯ মার্চ ২০১৪

ক্রমিক নং	অংশগ্রহণকারীর নাম	পদবী	বিস্তারিত নাম	যোগাযোগ
১	মোঃ মিনহাজ ইসলাম	ইউ এন ও	উপজেলা নির্বাহী অফিস	
২	মোঃ মাহমুদ হোসেন	চেয়ারম্যান	উপজেলা পরিষদ চিলমারী	
৩	মোঃ জামাল হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ চিলমারী	
৪	মোঃ মাহমুদ হোসেন	এস এম	উপজেলা পরিষদ অফিস	
৫	মোঃ জামাল হোসেন	এস এম	সহকারী	
৬	মোঃ মাহমুদ হোসেন	সিনিয়র অফিসার	উপজেলা পরিষদ অফিস	
৭	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
৮	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
৯	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
১০	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
১১	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
১২	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
১৩	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
১৪	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
১৫	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
১৬	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
১৭	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
১৮	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
১৯	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
২০	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
২১	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
২২	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	
২৩	মোঃ মাহমুদ হোসেন	অতিরিক্ত চেয়ারম্যান	উপজেলা পরিষদ অফিস	

Attachment 2-1

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
The Project for Capacity Enhancement on Formulation and Implementation of
Local Disaster Risk Reduction Plan (LDRRP)

স্থান: সত্কার উপস্থিতি শ্রম লিমনারী, কুষ্টিয়া

স্থান: সত্কার উপস্থিতি শ্রম লিমনারী, কুষ্টিয়া
তারিখ: ১৯ মার্চ ২০১৪

১৪	মো. আলমজামান	গোবরন	নামটি ইউপি
১৫	মো. মোস্তাফিজ আলম	গোবরন	রমনা ইউপি
১৬	মুজিবুর রহমান	গোবরন	মুজিবুর রহমান
১৭	মো. রফিকুল ইসলাম	ইউপি	মুজিবুর রহমান
১৮	মো. আলম	ইউপি	মুজিবুর রহমান
১৯	মো. মুজিবুর আলম	ভাইস চেয়ারম্যান	চিলমারী উপজেলা
২০	মো. মোস্তাফিজ আলম	পরিচালক	চিলমারী
২১	মো. মোস্তাফিজ আলম	উপজেলা প্রশাসক	ইউপি
২২	মো. মোস্তাফিজ আলম	উপজেলা প্রশাসক	সত্কার
২৩	মো. নাসিম উদ্দিন	ও	ইউপি ও জিএস, চিলমারী
২৪	মো. মোস্তাফিজ আলম	ইউপি ও জিএস	অসমার ও চিলমারী
২৫	মো. মোস্তাফিজ আলম	ইউপি ও জিএস	মুজিবুর রহমান
২৬	মো. মোস্তাফিজ আলম	ইউপি ও জিএস	জিএস
২৭	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
২৮	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
২৯	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৩০	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৩১	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৩২	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৩৩	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৩৪	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৩৫	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৩৬	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৩৭	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৩৮	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৩৯	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৪০	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৪১	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৪২	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৪৩	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৪৪	মো. মোস্তাফিজ আলম	সত্কার	সত্কার
৪৫	মো. মোস্তাফিজ আলম	সত্কার	সত্কার

(Undisclosed)

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
প্রকল্প পরিচালকের কার্যালয়
The Project for Capacity Enhancement on Formulation and Implementation of
Local Disaster Risk Reduction Plan (LDRRP) শীর্ষক প্রকল্প
মুঠোপার্জন বাস্তবায়ন অধিদপ্তর, ঢাকা-১২১২
১২-১৩ মহাখালী/এ, ঢাকা-১২১২
www.ddm.gov.bd

স্মারক নং- ৫১.০১.০০০০.০০১.০০৬.০০৩.২০.৮৮৮ তারিখঃ ১১. ০৩. ২০১৪ খ্রি.

বিষয়ঃ "The Project for Capacity Enhancement on Formulation & Implementation of Local Disaster Risk Reduction Plan (LDRRP)" শীর্ষক পাইলট প্রকল্প (উল্লিখিত এবং চিলমারী উপজেলায়) বাস্তবায়ন সহঃ পরামর্শক হিসেবে "Geo-Planning for Advanced Development (GPAD) Ltd., Gulshan-01, Dhaka, Bangladesh" কে সার্বিক সহযোগিতা প্রদান।

উপরোক্ত বিষয়ের পরিপ্রেক্ষিতে জানানো যাচ্ছে যে, মুঠোপার্জন বাস্তবায়ন অধিদপ্তর কর্তৃক বাস্তবায়নধীন "The Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan (LDRRP)" শীর্ষক পাইলট প্রকল্প (উল্লিখিত এবং চিলমারী উপজেলায়) বাস্তবায়ন জাইলা কর্তৃক সহঃ পরামর্শক হিসেবে "Geo-Planning for Advanced Development (GPAD) Ltd., Gulshan-01, Dhaka, Bangladesh" নিয়োগ দেয়া হয়েছে।

উক্ত প্রতিষ্ঠান পরিচালনা পর্ষদের লক্ষ্যে কমিউনিটির সাথে আলোচনা করে স্থানীয় আপদ ও ঝুঁকি চিহ্নিত করবেন, সংশ্লিষ্ট বিভাগ/দপ্তর এবং অধিদপ্তর থেকে প্রয়োজনীয় মূল্যায়ন সংক্রান্ত তথ্য উপাত্ত সংগ্রহ, যাচাই-বাছাই ও বিশ্লেষণ এবং প্রাপ্ত তথ্য-উপাত্তের ভিত্তিতে উপজেলা মুঠোপার্জন বাস্তবায়ন কমিটির সাথে কমিটি আয়োজন, প্রস্তাবিত Countermeasures সমূহ চূড়ান্তকরণ তথা উপজেলা মুঠোপার্জন ঝুঁকি হ্রাস পরিকল্পনা প্রণয়ন এবং উপজেলা সার্ব-কমিটি পঠন করে তার কার্যনির্বাহী দিকসমূহ যাচাই-বাছাই ইত্যাদি।

এমতাবস্থায়, উল্লিখিত সহঃ পরামর্শক প্রতিষ্ঠানকে প্রয়োজনীয় সহযোগিতা প্রদানের জন্য অনুরোধ করা হলো।

জেলা প্রশাসক
কুষ্টিয়া

১১/০৩/১৪
মোঃ আব্দুল আল-মুন্স
মুঠোপার্জন

পরিচালক (পরিচালনা ও উন্নয়ন) এবং প্রকল্প পরিচালক
LDRRP প্রকল্প
ফোনঃ ০২-২২২২২২৮৭৫৫
ই-মেইল: dplanning@ddm.gov.bd

অনুলিপি: জাতীয় ও কার্যকর (সেতাকার) ক্রমানুসারে সহ।

- ০১। মুগিচ সূত্র, কুড়িয়ায়।
- ০২। উপনির্দেশক (পরিচালনা) ও প্রকল্প মালিকানা, এলাউজারগারপি প্রকল্প, দুর্গাপা ব্যবস্থাপনা অধিদপ্তর, ঢাকা।
- ০৩। অতিরিক্ত জেলা প্রশাসক (সাংগিক), কুড়িয়ায়।
- ০৪। উপনির্দেশক, স্থানীয় সরকার, কুড়িয়ায়।
- ০৫। সিভিল সার্জন, কুড়িয়ায়।
- ০৬। মেয়র, কুড়িয়ায় পৌরসভা, কুড়িয়ায়।
- ০৭। নির্বাহী প্রকৌশলী, এলাউজারগারপি প্রকল্প, কুড়িয়ায়।
- ০৮। নির্বাহী প্রকৌশলী, পাট ডায়ন বোর্ড, কুড়িয়ায়।
- ০৯। নির্বাহী প্রকৌশলী, জলস্বাস্থ্য প্রকৌশল অধিদপ্তর, কুড়িয়ায়।
- ১০। নির্বাহী প্রকৌশলী, নগর ও অধিদপ্তর, কুড়িয়ায়।
- ১১। উপনির্দেশক, পরিবেশ অধিদপ্তর, কুড়িয়ায়।
- ১২। উপনির্দেশক, জমির অধিদপ্তর, কুড়িয়ায়।
- ১৩। জেলা শিক্ষা কর্মকর্তা, কুড়িয়ায়।
- ১৪। জেলা স্বাস্থ্য কর্মকর্তা, কুড়িয়ায়।
- ১৫। উপনির্দেশক, কৃষি সম্প্রদায় অধিদপ্তর, কুড়িয়ায়।
- ১৬। জেলা প্রতিসংস্পর্ক কর্মকর্তা, কুড়িয়ায়।
- ১৭। উপজেলা পরিষদ চেয়ারম্যান, উলিপুর ও চিলমারী, কুড়িয়ায়।
- ১৮। উপজেলা নির্বাহী কর্মকর্তা, উলিপুর ও চিলমারী, কুড়িয়ায়।
- ১৯। জেলা ত্রাণ ও পুনর্বাসন কর্মকর্তা, কুড়িয়ায়।
- ২০। উপজেলা প্রকল্প বাস্তবায়ন কর্মকর্তা, কুড়িয়ায় সদর, উলিপুর ও চিলমারী, কুড়িয়ায়।
- ২১। ব্যবস্থাপনা পরিচালক, Geo-Planning for Advanced Development (GPAD) Ltd., Gulshan - 01, Dhaka, Bangladesh.
- ২২। অতিরিক্ত সচিব।

অনুলিপি: জাতীয়।

- ১। চিহ্ন সীতা, LDRRP প্রকল্প, দুর্গাপা ব্যবস্থাপনা অধিদপ্তর, ঢাকা।
- ২। মহাপরিচালক মহোদয়ের যান্ত্রিক কর্মকর্তা, দুর্গাপা ব্যবস্থাপনা অধিদপ্তর, ঢাকা।

(স্বাক্ষর: আব্দুল আজিজ আল-মাসুদ)
(যুগ্ম সচিব)

পরিচালক (পরিচালনা ও উন্নয়ন) এবং প্রকল্প পরিচালক

LDRRP প্রকল্প

ফোনঃ ০২-২২২২৯৮৭৫৫

ই-মেইল: dplanning@ddm.gov.bd

মহাপ্রাচীর, বাংলাদেশ সরকার
উপজেলা নির্বাহী অফিসারের কার্যালয়
(দুর্গাপা ব্যবস্থাপনা শাখা)
চিলমারী, কুড়িয়ায়।
www.chilmari.kurigram.gov.bd

স্মারক নং- ৫১.০১.৪৯০৯.০০০.৪১.০০৩.২৪-৫৭ তারিখঃ ০৭ জার্মান ১৪৩১
২২/০৮/২০২৪খ্রিঃ

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

সূত্রঃ দুর্গাপা ব্যবস্থাপনা অধিদপ্তরের স্মারক নং-৫১.০১.০০০০.০০৩.০০৩.২৪.৪১৫, তারিখঃ ১৫/০৮/২০২৪খ্রিঃ।

উপর্যুক্ত বিষয় ও সূত্রের পরিপ্রেক্ষিতে জানানো যাচ্ছে যে, দুর্গাপা ব্যবস্থাপনা ও ত্রাণ সঞ্চালনের আওতাধীন দুর্গাপা ব্যবস্থাপনা অধিদপ্তর (ডিডিএস) এবং জাইকার অর্থায়ন ও অংশীদারিত্বে দুর্গাপা ব্যবস্থাপনা কর্মসূচির অংশ হিসেবে আগামী ২৫/০৮/২০২৪খ্রিঃ তারিখে উপজেলা সভা কর্তৃক সকাল ১০.০০ ঘটিকায় ২য় কর্মসূচী অনুষ্ঠিত হবে। সভা সফটওয়্যার সফটওয়্যার উপস্থিতি থাকার জন্য অনুরোধ করা হলো।

সভার আলোচ্য বিসয়সমূহঃ

- ০১। প্রথম কর্মসূচী থেকে প্রাপ্ত তথ্য-উপাত্ত উপস্থাপন।
- ০২। বিজ্ঞানিক পদ্ধতিতে স্থানিক মূল্যায়ন ফলাফল বোঝা এবং (DRR) টার্গেট ঠিক করা।
- ০৩। DRR টার্গেট বৈধ পর্যালোচনা এবং শূন্য বিবেচনা (স্ট্রিক টপ কাজ)
- ০৪। প্রতিটি ইউনিটের থেকে উপস্থাপন এবং এর স্বাক্ষর থেকে প্রতিবেদন।
- ০৫। বিবিধ।

জনাব..... সমস্য

উপজেলা দুর্গাপা ব্যবস্থাপনা সার্ব-কমিটি, চিলমারী, কুড়িয়ায়।

(স্বাক্ষর: আব্দুল আজিজ আল-মাসুদ)
(যুগ্ম সচিব)

উপজেলা নির্বাহী অফিসার (ভারপ্রাপ্ত)
চিলমারী, কুড়িয়ায়।

ফোনঃ ০২-৫৮৯৮৫২৬০১

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অনুলিপি- সদর জাতীয় ও কার্যকরঃ

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

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

স্মারক নং-৫১.০১.৪৯০৯.০০০.৪১.০০৬.১৩-৩৭ তারিখ ০৫ মাঘ ১৪৩১
১৯ জানুয়ারি ২০২৫

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

সূত্র দুর্যোগ ব্যবস্থাপনা অধিদপ্তরের স্মারক নং-৫১.০১.০০০০.০৩১.০০৬.০৩.২৪.৪৬৬ তারিখ: ১৩/০১/২০২৫খ্রিঃ

উপর্যুক্ত বিষয় ও সূত্রের পরিস্রবীকৃত জানানো যাচ্ছে যে, দুর্যোগ ব্যবস্থাপনা এবং আগ্নেয় মনালসের আন্তর্জাতিক
দুর্যোগ ব্যবস্থাপনা অধিদপ্তর (ডিজিএম) এবং জাইকার অর্থায়নে ও অংশীদারিত্বে বাস্তবায়নধীন পাইলট প্রকল্পের আওতায়
উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির সদস্যদের অংশগ্রহণে ৩য় এবং চূড়ান্ত কর্মশালা আয়োজন করা হয়েছে।

উক্ত Upazila Committee কমিটির সদস্যদের আগামী ২৯/০১/২০২৫খ্রিঃ তারিখে উপজেলা সভা কক্ষ
সকাল ১০০০ ঘটিকায় অনুষ্ঠিত হবে। সভায় সমিষ্ট সকলকে যথাসময়ে উপস্থিত থাকার জন্য অনুরোধ করা হলো।

সবার আলোচনা বিষয়সমূহ

০১। কর-পরিকল্পনা (Countermeasures এর তালিকা এবং মানচিত্র) এবং অস্বাভাবিক প্রকল্পগুলির উপজেলা ডিআর
প্রাকল্পন গ্রান (UzDRRAP) রূপান্তর করা।

০২। বিবরণ।

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

e-mail: upochilmari@mopa.gov.bd

অনুলিপি-সময় জাতাবে ও কার্যার্থে:

- ০১। পরিচালক (পরিকল্পনা ও উন্নয়ন) এবং প্রকল্প পরিচালক (LDRRP) শীর্ষক প্রকল্প, ঢাকা
- ০২। জেলা প্রশাসক, কুড়িয়াম।
- ০৩। জেলা আগ্নেয় ও পূর্বাবলম্ব কর্মকর্তা, কুড়িয়াম।
- ০৪। উপজেলা অফিসার, চিলমারী, কুড়িয়াম।
- ০৫। অফিস কপি।

(Undisclosed)

(Undisclosed)

Attachment 2-10

112

(Undisclosed)

Attachment 2-11

113

(Undisclosed)

Attachment 2-12

114

(Undisclosed)

Attachment 2-13

115

(Undisclosed)

Attachment 2-14

116

(Undisclosed)

Attachment 2-15

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(Undisclosed)

Attachment 2-16

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(Undisclosed)

Attachment 2-17

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(Undisclosed)

Attachment 2-18

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(Undisclosed)

Attachment 2-19

121

(Undisclosed)

Attachment 2-20

122

(Undisclosed)

Attachment 2-21

123

(Undisclosed)

Attachment 2-22

(Undisclosed)

Attachment 2-23

(Undisclosed)

Attachment 3: Workshop and others activity photos in Chilmari



1st Meeting with UzSC



1st Workshop with UzDMC



Meeting with UDMC



2nd Workshop with UzDMC



Meeting with line-agencies to validate countermeasures



2nd Meeting with UzSC



Final Workshop with UzDMC



Chilmari UNO presenting the UzDRRAP at DDMC



APPENDIX 3-5

Project Proposal for the Implementation of the Projects on UzDRRAPs

1) PDPP - UzDRRCIP (DDM)

PRELIMINARY DEVELOPMENT PROJECT PROPOSAL (PDPP) FOR FOREIGN FINANCED PROJECTS

1. Project Title : **Upazila Disaster Risk Reduction Countermeasures Implementation Project (UzDRRCIP).**
2. (i) Sponsoring Ministry/Division : Ministry of Disaster Management and Relief (MoDMR).
(ii) Executing Agency : Department of Disaster Management (DDM).
3. Expected Date of Commencement and Completion : 01 July 2025 to 30 June 2029
4. Relevance of the Proposal with Concerned Sectoral Allocation : The project proposal falls under Agriculture, Water Resource & Rural Institutions Division (Rural Development & Institutions sector) of Planning Commission.

The proposed project titled “Upazila Disaster Risk Reduction Countermeasures Implementation Project”, is highly relevant to the sectoral priorities and resource allocations of the Ministry of Disaster Management and Relief (MoDMR). This project is in alignment with the following national and sectoral policy frameworks like as National Plan for Disaster Management (NPDM) 2021–2025; Sendai Framework for Disaster Risk Reduction (2015–2030); Bangladesh Delta Plan 2100 ; Sustainable Development Goals (SDGs), particularly Goal 11 and Goal 13. It also relevance with strong Institutional framework and a range of initiatives to tackle climate change, including the Bangladesh Climate change strategy and Action Plan(BCCSAP) and the National adaptation Plan(NAP). Furthermore, the National Disaster Risk Financing Strategy by the MoDMR also concerned about ensuring sustainable economic growth by incorporating disaster resilience and prioritizing vulnerable populations through this proposal due to disaster impacts. The MoDMR has prioritized the localization of disaster risk reduction (DRR) interventions, institutional capacity strengthening, and inclusive disaster preparedness as part of its core sectoral strategies. This proposal may contributes significantly to building a disaster-resilient Bangladesh by decentralizing DRR activities and institutionalizing the Local Disaster Risk Reduction Action Plan (LDRRAP) at the field level which is the Allocation of Business (AoB) under MoDMR.

5. Main Objectives and Brief Description of the Project with Justification : **Objectives:** The Main objective of the project is to protect lives, livelihoods, and resources at the vulnerable areas while fostering future development by strengthening disaster risk reduction efforts across the country.

And the specific objectives of the proposed project are:

1. Restore the rural and urban road network affected by natural disasters through the rehabilitation of roads, bridges, and culverts, addressing damage caused by recurrent disasters.
2. Incorporate the Sendai Framework’s “Build Back Better”

- approach in the design of infrastructure, including shelters, embankments, and drains.
3. Construct climate-resilient, sustainable infrastructure with advanced technical designs and supervision.
4. Implement bio-technical approaches, such as nature-based solutions, for specific items like slope protection on road alignments.
5. Enhance the rural and urban transportation network to support the evacuation, production and marketing of both agricultural and non-agricultural products.
6. To operationalize and implement Local Disaster Risk Reduction Action Plans (LDRRAPs) at Union, Upazila, and District levels in selected disaster-prone areas, in alignment with national disaster risk reduction (DRR) policies and frameworks.
7. To strengthen institutional capacity of local Disaster Management Committees (DMCs) and relevant stakeholders through training, technical assistance, and knowledge sharing for effective DRR planning and response.
8. To foster collaboration and knowledge exchange between local authorities, communities, and development partners such as JICA, ensuring sustainable DRR practices through integrated and coordinated efforts.

Brief Description & Justification:

Bangladesh is highly vulnerable to natural disasters due to its location in the world's largest delta, with 90% of its land lying in low-lying areas less than 10 meters above sea level. According to the Global Climate risk Index- 2024, Bangladesh is obtained ranked as the 9th most vulnerable country under the world to natural disaster due to high exposure, vulnerability and extreme climatic events. Every year almost 1.5%- 2.5% GDP losses due to disaster in Bangladesh. The country regularly experiences tidal surges, salinity, flooding, river erosion, landslides, cyclones and earthquake which pose ongoing challenges to food security and the livelihoods of rural populations. Additionally, the growing threat of sea level rise could submerge large areas of the coastal belt, displacing millions of people. With the impacts of climate change, Bangladesh's vulnerability to disasters is increasing over time, further exacerbating the situation.

To accelerate the country's disaster resilience, it is crucial to develop and implement local disaster risk reduction strategies and plans, as outlined in the Sendai Framework for Disaster Risk Reduction 2025-2030. By adopting a local disaster risk reduction action plan in every Upazila, the damage and loss caused by disasters can be effectively reduced, contributing to the continuous and sustainable development of the country's economy, and ultimately helping achieve the government's Vision 2041.

“The Project For Capacity Enhancement on Formulation & Implementation of Local Disaster Risk Reduction Plan (LDRRP)” project has been implemented with the support of JICA from July 2021 to June 2025 by the Department of Disaster management under the leadership of the Ministry of Disaster management and Relief and disaster risk reduction action plans have been formulated in six pilot upazilas of three districts. These plans have been

formulated with the aim of reduce disaster risks through scientific hazard analysis, risk analysis and quantifications and collaboration with various implementing agencies such as BWD, LGED, SoB, GSB, BMD, PWD, FSCD etc.

Under the "Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plans," various disaster risk reduction (DRR) countermeasures have been prioritized in four Upazilas: Cox's Bazar Sadar, Chakaria, Chhatak, and Jagannathpur. Among these, the majority of flood prevention measures have been addressed by the Bangladesh Water Development Board (BWDB), the Local Government Engineering Department (LGED) and Department of Disaster Management (DDM). DDM is taking the lead in reducing long-term inundation in these Upazilas through infrastructure projects focused on flood protection and control.

In addition to flood prevention, the project includes infrastructure development such as embankment construction, canal excavation, road and road structure, and shelter initiatives, which will help mitigate the secondary effects of floods. These measures aim to enhance the overall capacity for disaster response. Ultimately, the project is expected to save lives, protect livelihoods and resources, and promote sustainable development by implementing effective disaster risk reduction strategies in Bangladesh.

Project Area:

The proposed project aim is to reduce losses from natural disasters and improve economic conditions of Rural and Urban areas in four high-risk upazilas of the Chittagong and Sylhet divisions of Bangladesh through the implementation of the Upazila Disaster Risk Reduction Action Plan (UzDRRAP) countermeasures:

Sl No.	Division	District	Upazila
1.	Sylhet	Sunamganj	Chatak
2.			Jagannathpur
3.	Chattogram	Cox's Bazar	Cox's Bazar sadar
4.			Chakaria
5.	Rangpur	Kurigram	Ulipur
6.			Chilmari

Components under the proposal:

The project will comprise of the following:

- I. Maintenance and Extension of Multipurpose Shelter Center;
- II. Construction/Maintenance of Embankment;
- III. Improvement of Drainage Facilities by Canal Excavation;
- IV. Construction/Maintenance of important Rural and Urban Roads and other related facilities to improve Evacuation Routes and which are linked with Evacuation Routes for emergency response.;
- V. Construction/Maintenance of Bridges/ culverts
- VI. Construction/Maintenance of protection work for land sliding.

- VII. DRR Training and capacity building development;
- VIII. Support with light SAR equipment for volunteers;
- IX. Purchasing of Double cabin pickup for emergency response support;
- X. Installation of Billboard for Evacuation Map with awareness sign.

6. Relevance of the Project with the Short/Medium/ Long Term Policies/ Plans/ programmes etc.

The proposed project is strategically aligned with the Government of Bangladesh's short-term, medium-term, and long-term disaster risk reduction and development frameworks. It will be complements and contributes to the achieved of national objectives for resilience-building and sustainable development across multiple time horizons.

Short-Term and Medium-Term:

National Plan for Disaster Management (NPDM) 2021-2025, 2026-2030 (Draft):

This project will directly support the implementation of NPDM objectives, particularly the implementation of Local Disaster Risk Reduction Action Plans (LDRRAPs) and improvement of community-based early warning systems, capacity building of Disaster Management Committees (DMCs), and institutional coordination at the local level.

National Adaptation Plan of Bangladesh (NAP)-2023-2030:

Goal-1: Ensure protection against climate change variability and induced natural disaster.

S 1.1: Combat cyclonic storm surges, sea level rise and salinity intrusion;

S 1.2: Manage floods, erosion and drought risks.

S 1.3: Protect life, livelihoods, infrastructures and ecosystems against slow-onset and other climate extremes.

Goal-5: Impart good governance through the integration of adaptation into the Planning process.

S-5.4: Empower local government institutes, community-based organizations, women, people with disabilities and youth for locally led adaptation.

Sendai Framework for Disaster Risk Reduction (2015-2030) – Midpoint Targets:

The project contributes to meeting core Sendai targets by 2030, including reducing disaster mortality, economic losses, and disruption to basic services through risk-informed local development.

Long-Term :

Sustainable Development Goals (SDGs):

The project contributes directly to:

SDG 1.5 – Build resilience of the poor and those in vulnerable situations,

SDG 11.5 – Reduce the number of people affected by disasters,

SDG 13.1 – Strengthen resilience and adaptive capacity to climate-related hazards.

Bangladesh Vision 2041:

The project plays a foundational role in building resilient institutions and communities, which is essential for sustainable

	urbanization, economic stability, and environmental security in the long run. Bangladesh Delta Plan 2100: The long-term vision of the Delta Plan is focused on resilience to water- and climate-related hazards. This project contributes to its long-term goals by promoting risk-informed local development and institutional mechanisms for integrated disaster and climate risk management. The proposed project is highly relevant and complementary to the ongoing and planned development programmes of the Ministry of Disaster Management and Relief (MoDMR) and the broader disaster management and disaster risk reduction sector in Bangladesh. It has been designed to avoid duplication and ensure synergies with existing interventions, particularly those that focus on community-based disaster risk reduction (CBDRR), capacity building, and resilience enhancement at the local level. Besides humanitarian assistance programs, the Department of Disaster Management is being implementing various projects like Construction of Multipurpose Cyclone/Flood Shelters, Disaster Resilient House, Construction of Earthen Roads/HBB and Bridges/Culverts for disaster risk reduction either independently or in consortium basis with LGED, BWDB, FSCD, BMD etc. Emergency Multi-Sector Rohingya Crisis Response Project (EMCRP) – World Bank/UN systems: While EMCRP focuses on humanitarian response in Cox’s Bazar, the proposed project can leverage learning on inclusive DRR mechanisms (particularly gender and disability-inclusive strategies) for replication in other vulnerable districts. Avoidance of Duplication and Ensuring Coordination: The project has been carefully formulated through consultation with sectoral stakeholders to ensure coordination and avoid overlap with existing donor-funded interventions. It will be implemented in geographic areas not currently covered under similar programmes or where additional support is necessary to fully operationalize LDRRAPs. Moreover, implementation in partnership with JICA ensures access to global best practices, technology transfer, and capacity-building methods that complement ongoing government and NGO efforts in the DRR sector.	improve access to essential services, including health centers, flood shelter and schools, while facilitating the transportation of agricultural inputs and outputs, which is crucial for boosting agricultural production. Additionally, the project will generate both direct and indirect employment opportunities in the farm and non-farm sectors, further contributing to the region's economic growth and development.
7. Relevance with Other development Programmes of the Concerned Sector	The proposed project is highly relevant and complementary to the ongoing and planned development programmes of the Ministry of Disaster Management and Relief (MoDMR) and the broader disaster management and disaster risk reduction sector in Bangladesh. It has been designed to avoid duplication and ensure synergies with existing interventions, particularly those that focus on community-based disaster risk reduction (CBDRR), capacity building, and resilience enhancement at the local level. Besides humanitarian assistance programs, the Department of Disaster Management is being implementing various projects like Construction of Multipurpose Cyclone/Flood Shelters, Disaster Resilient House, Construction of Earthen Roads/HBB and Bridges/Culverts for disaster risk reduction either independently or in consortium basis with LGED, BWDB, FSCD, BMD etc. Emergency Multi-Sector Rohingya Crisis Response Project (EMCRP) – World Bank/UN systems: While EMCRP focuses on humanitarian response in Cox’s Bazar, the proposed project can leverage learning on inclusive DRR mechanisms (particularly gender and disability-inclusive strategies) for replication in other vulnerable districts. Avoidance of Duplication and Ensuring Coordination: The project has been carefully formulated through consultation with sectoral stakeholders to ensure coordination and avoid overlap with existing donor-funded interventions. It will be implemented in geographic areas not currently covered under similar programmes or where additional support is necessary to fully operationalize LDRRAPs. Moreover, implementation in partnership with JICA ensures access to global best practices, technology transfer, and capacity-building methods that complement ongoing government and NGO efforts in the DRR sector.	Discussed briefly under below consideration for significant roll play on proposed project: Key Expected Outputs: • Effective Implementation of Local Disaster Risk Reduction Action Plans (LDRRAPs): • Operational LDRRAPs in targeted unions, upazilas, and districts. • Improved coordination between local government institutions and Disaster Management Committees (DMCs). • Enhanced Capacity of Local Institutions and Stakeholders. • Development and dissemination of training manuals, standard operating procedures (SOPs), and community DRR tools. • Strengthened Community-Based Early Warning Systems. • Increased public awareness and responsiveness at the community level before, during, and after disasters. • Increased Participation of Vulnerable Groups in DRR Processes. • Active involvement of women, children, persons with disabilities, and elderly persons in local DRR planning. • Inclusion of social protection and accessibility measures within LDRRAPs. • Development of scalable and replicable models for LDRRAP implementation. • Documentation of best practices, case studies, and local innovations. Expected Socio-Economic Benefits: Reduction in Disaster Losses: • Minimized human casualties, property damage, and economic losses through preparedness and early action. • Reduced post-disaster recovery costs for the government and affected communities. Increased Livelihood Security: • Protection of critical assets, livelihoods (e.g., agriculture, fisheries), and income sources from disaster impacts. • Strengthened resilience of local economies through risk-informed planning. Improved Social Inclusion and Gender Equality: • Empowerment of marginalized and vulnerable populations through participatory risk management. • Greater representation of women and disadvantaged groups in decision-making bodies.
8. Expected Socio-economic Benefits/ Outputs of the Proposed Project	The proposed project is expected to generate significant socio-economic benefits through strengthening local disaster resilience, improving institutional response capacity, and protecting lives, livelihoods, and infrastructure in disaster-prone areas of Bangladesh. The outputs and outcomes will contribute to sustainable development and long-term disaster risk reduction goals. An improved DRR countermeasure is essential for accelerating socio-economic development and poverty reduction in rural and urban areas. The proposed project will take into account the risks posed by water-induced disasters such as flood, storm surges, and land slide. Embankment, roads, bridges, culverts, land slide protection, and flood shelter that are currently in a vulnerable state or are at high risk of being damaged by such disasters in the near future will be prioritized for reconstruction, incorporating necessary engineering measures to enhance their resilience. A better communication system will significantly reduce transportation costs and travel time for road users. This will	Expected Socio-economic Benefits/ Outputs of the Proposed Project The proposed project is expected to generate significant socio-economic benefits through strengthening local disaster resilience, improving institutional response capacity, and protecting lives, livelihoods, and infrastructure in disaster-prone areas of Bangladesh. The outputs and outcomes will contribute to sustainable development and long-term disaster risk reduction goals. An improved DRR countermeasure is essential for accelerating socio-economic development and poverty reduction in rural and urban areas. The proposed project will take into account the risks posed by water-induced disasters such as flood, storm surges, and land slide. Embankment, roads, bridges, culverts, land slide protection, and flood shelter that are currently in a vulnerable state or are at high risk of being damaged by such disasters in the near future will be prioritized for reconstruction, incorporating necessary engineering measures to enhance their resilience. A better communication system will significantly reduce transportation costs and travel time for road users. This will

Strengthened Local Governance and Risk Governance:

- Institutionalized risk reduction processes at the local level, leading to long-term sustainability.
- Increased accountability and responsiveness of local government institutions.

Contribution to National and Global Goals:

- Supports achievement of the Sustainable Development Goals (SDGs), particularly SDG 1, 11, and 13.
- Contributes to national targets under the Sendai Framework for Disaster Risk Reduction.

9. i) Estimated Amount and Cost of the Proposed Project (Taka in Lac) : Total: 43780.00 Lac Taka (million)
(GoB- Lac + PA- Lac)

The cost summary is presented in annexure-I

ii) Nature of Foreign Assistance(Loan/Grant/ Others) : Loan/Grant

10. Likely Source of Foreign Assistance : **Japan International Co-operation Agency (JICA)**

11. If any feasibility study has been done mention, main finding estimated cost, nature and likely institutional arrangements for such a study? : Pre-feasibility done by LDRRAP Project, Need detailed Feasibility Study

12. Other Relevant Information (if any) : N/A

Signature of the Officer (s) Responsible for Preparation of the Proposal with Seal & Date

Signature of the Head of the Agency with Seal & Date

Signature of the Sr. Secretary/Secretary of the Sponsoring Ministry/Division with Seal & Date

2) PDPP- ILDRRAP (LGED)

PRELIMINARY DEVELOPMENT PROJECT PROPOSAL (PDPP) FOR FOREIGN FINANCED PROJECTS

1. Project Title : Implementation of Local Disaster Risk Reduction Action Plan (ILDRRAP)
2. (i) Sponsoring Ministry/Division : Local Government Rural Development & Co-operatives / Local Government Division
- (ii) Executing Agency : Local Government Engineering Department (LGED)
3. Expected Date of Commencement and Completion : 01 July 2025 to 30 June 2030
4. Relevance of the Proposal with Concerned Sectoral Allocation : The project proposal falls under Agriculture, Water Resource & Rural Institutions Division (Rural Development & Institutions sector) of Planning Commission.

Bangladesh is highly vulnerable to disasters due to its geographical location. The frequency and severity of disasters, such as floods and storm surges, have intensified in recent years, largely due to climate change and the increasing frequency of tropical cyclones. Additionally, the country's proximity to an active seismic zone makes it susceptible to medium to large earthquakes. These disasters result in not only direct physical damage but also significant indirect losses across various sectors, including agriculture, food security, water, health, and sanitation, affecting the economy and livelihoods of local communities. In response, the government has prioritized disaster risk management, as outlined in the 8th Five Year Plan (2020-2025), which emphasizes creating a sustainable development pathway resilient to disasters and climate change. To further strengthen the country's disaster resilience, the development and implementation of local disaster risk reduction strategies and plans are crucial, as highlighted in the Sendai Framework for Disaster Risk Reduction 2025-2030. By adopting disaster risk reduction action plans at the Upazila level, Bangladesh can effectively mitigate disaster impacts, ensuring sustained economic development and contributing to the achievement of the government's Vision 2041. This proposal aligns directly with the relevant sectoral allocation.

5. Main Objectives and Brief Description of the Project with Justification : The objective of the project is to protect lives, livelihoods, and resources in the Upazila, while fostering future development by strengthening disaster risk reduction efforts across the country.

The main objectives of the proposed project are:

1. Restore the rural and urban road network affected by natural disasters through the rehabilitation of roads, bridges, and culverts, addressing damage caused by recurrent disasters.
2. Incorporate the Sendai Framework's "Build Back Better" approach in the design of infrastructure, including shelters, embankments, drains, tube wells, and public toilets.
3. Construct climate-resilient, sustainable infrastructure with advanced technical designs and supervision.

4. Implement bio-technical approaches, such as nature-based solutions, for specific items like slope protection on road alignments.
5. Enhance the rural and urban transportation network to support the production and marketing of both agricultural and non-agricultural products.
6. Create both short-term and long-term employment opportunities for rural and urban communities, particularly for disadvantaged groups.

Brief Description & Justification:

Bangladesh is highly vulnerable to natural disasters due to its location in the world's largest delta, with 90% of its land lying in low-lying areas less than 10 meters above sea level. The country regularly experiences tidal surges, salinity, flooding, river erosion, landslides, cyclones and earthquake which pose ongoing challenges to food security and the livelihoods of rural populations. Additionally, the growing threat of sea level rise could submerge large areas of the coastal belt, displacing millions of people. With the impacts of climate change, Bangladesh's vulnerability to disasters is increasing over time, further exacerbating the situation.

To accelerate the country's disaster resilience, it is crucial to develop and implement local disaster risk reduction strategies and plans, as outlined in the Sendai Framework for Disaster Risk Reduction 2025-2030. By adopting a local disaster risk reduction action plan in every Upazila, the damage and loss caused by disasters can be effectively reduced, contributing to the continuous and sustainable development of the country's economy, and ultimately helping achieve the government's Vision 2041.

The "Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plans," launched in December 2020 and led by MoDMR and DDM with support from JICA, has developed disaster risk reduction action plans in six pilot Upazilas across three districts. These plans, created using scientific hazard analysis, risk quantification, and collaboration with various implementing agencies including BWDB, LGED, SoB, GSB, BMD, PWD, FSCD and so on aim to reduce disaster risks.

Under the "Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plans," various disaster risk reduction (DRR) countermeasures have been prioritized in Six Upazilas: Cox's Bazar Sadar, Chakaria, Chhatak, Jagannathpur, Ulipur and Chilmari. Among these, the majority of flood prevention measures have been addressed by the Bangladesh Water Development Board (BWDB) and the Local Government Engineering Department (LGED). LGED is taking the lead in reducing long-term inundation in these Upazilas through infrastructure projects focused on flood protection and control.

In addition to flood prevention, the project includes infrastructure development such as road construction, water

supply and sanitation, and shelter initiatives, which will help mitigate the secondary effects of floods. These measures aim to enhance the overall capacity for disaster response. Ultimately, the project is expected to save lives, protect livelihoods and resources, and promote sustainable development by implementing effective disaster risk reduction strategies in Bangladesh.

Project Area:

The proposed project aim is to reduce losses from natural disasters and improve economic conditions of Rural and Urban areas in four high-risk upazilas of the Chittagong, Sylhet and Rangpur divisions of Bangladesh through the implementation of the Upazila Disaster Risk Reduction Action Plan (UzDRRAP) countermeasures:

Sl. No.	Division	District	Upazila
1.	Sylhet	Sunamganj	Chahtak
2.			Jagannathpur
3.	Chattogram	Cox's Bazar	Cox's Bazar sadar
4.			Chakaria
5.	Rangpur	Kurigram	Ulipur
6.			Chilmari

Components:

The project will comprise of the following:

- I. Construction/Maintenance of important Rural and Urban Roads and other related facility's to improve Evacuation Routes for emergency response.
- II. Construction/Maintenance of Slope protection for Rural and Urban Roads which will act as an embankment.
- III. Construction/Maintenance of flood damaged Roads which are linked with Evacuation Routes.
- IV. Construction /Maintenance of Bridges/ Culverts on selected Upazila Roads/ Union Roads/ Village Roads.
- V. Construction/Maintenance of protection work for land sliding in Rural and Urban areas.
- VI. Construction/Maintenance of sluice gate.
- VII. Construction/Maintenance of Shelter Houses.
- VIII. Construction/Maintenance of Drainage facilities
- IX. DRR Training and capacity development for LGED and Pourashava Officials.
- X. DRR Governance improvement and capacity development

6. Relevance of the Project with the Short/ Medium/ Long Term Policies/ Plans/ programmes etc.

: The Perspective Plan of Bangladesh (2021-2041) aims to eliminate extreme poverty and achieve Upper Middle-Income Country (UMIC) status by 2031, and High-Income Country (HIC) status by 2041, with near-extinction of poverty. A key strategy in the plan is managing risks posed by the country's deltaic geography and the impacts of natural disasters and climate change.

The Bangladesh Delta Plan 2100 (BDP2100) is a major government initiative that focuses on improving the management of water, land, ecology, and climate change through targeted policies, strategies, and investments. It seeks to address vulnerabilities linked to Bangladesh's geography and climate change by tackling these risks at their source.

The 8th Five-Year Plan highlights rural transport development under the strategic priorities of LGED, focusing on improving road quality to withstand monsoon rains and flooding. The plan includes upgrading the road network, constructing/reconstructing bridges, and enhancing resilience to climate change, with a target economic growth of 9%. Given that most of the population lives in rural, agriculture-based areas, this project will help achieve the objectives of the 8th Five-Year Plan by repairing infrastructure damaged by disasters.

This project will contribute to improving climate-resilient rural infrastructure (roads and road structures) for sustainable development, enhancing road safety, and reducing accidents, thereby supporting the achievement of the Sustainable Development Goals (SDGs).

7. Relevance with Other development Programmes of the Concerned Sector

: The Local Government Engineering Department (LGED) is responsible for planning, developing, and managing rural infrastructure to enhance farm and non-farm production, generate employment, improve socio-economic conditions, promote local governance, and reduce poverty at the grassroots level. Over the past 2-3 decades, LGED has implemented various programs and projects aligned with government plans and targets, significantly transforming infrastructure, communication, and the socio-economic landscape in rural areas.

This project is proposed in line with the Perspective Plan of Bangladesh (2021-2041) and aims to achieve the strategic targets outlined in the 8th Five-Year Plan for sustainable development, as well as contribute to the Sustainable Development Goals (SDGs). Thus, the project is fully aligned with sectoral objectives and activities and is highly relevant to other development initiatives in the sector.

8. Expected Socio-economic Benefits/ Outputs of the Proposed Project

: An improved rural road network is essential for accelerating socio-economic development and poverty reduction in rural areas. The proposed project will take into account the risks posed by water-induced disasters such as cyclones, storm surges, and tsunamis. Roads, bridges, culverts and flood shelter that are currently in a vulnerable state or are at high risk of being damaged by such disasters in the near future will be prioritized for reconstruction,

incorporating necessary engineering measures to enhance their resilience.

A better communication system will significantly reduce transportation costs and travel time for road users. This will improve access to essential services, including health centers, flood shelter and schools, while facilitating the transportation of agricultural inputs and outputs, which is crucial for boosting agricultural production. Additionally, the project will generate both direct and indirect employment opportunities in the farm and non-farm sectors, further contributing to the region's economic growth and development.

9. i) Estimated Amount and Cost of the Proposed Project (Taka in Lac) : Total: 71540 Lac Taka (7154 million) (GoB- Lac + PA- Lac)

The cost summary is presented in annexure-I

ii) Nature of Foreign Assistance (Loan/Grant/ Others) : Loan/Grant

10. Likely Source of Foreign Assistance : Japan International Co-operation Agency (JICA)

11. If any feasibility study has been done mention, main finding estimated cost, nature and likely institutional arrangements for such a study? :

12. Other Relevant Information (if any) : N/A

Signature of the Officer (s) Responsible for Preparation of the Proposal with Seal & Date

Signature of the Head of the Agency with Seal & Date

Signature of the Sr. Secretary/Secretary of the Sponsoring Ministry/Division with Seal & Date

3) PDPP – LoCAR (BWDB)

FORM : PDPP
July, 2025

Government of the People's Republic of Bangladesh
Ministry of Water Resources



Preliminary Development Project Proforma/Proposal (PDPP)
for Aided Projects
of

Local Level Climate Adaptation and Risk Reduction Project (LoCAR)

Bangladesh Water Development Board (BWDB)

July, 2025

PRELIMINARY DEVELOPMENT PROJECT PROPOSAL (PDPP) FOR FOREIGN FINANCED PROJECTS

01	Project title	Local Level Climate Adaptation and Risk Reduction Project (LoCAR)
02	i) Sponsoring Ministry/Division ii) Executing Agency	Ministry of Water Resources (MoWR) Bangladesh Water Development Board
03	Expected date of Commencement and Completion	January 2026 – December 2027
04	Relevance of Proposal with Concerned Sectoral Allocation	The project falls under the Environment, Climate Change and Water Resources Sector under Water Resources Management sub sector.
05	Main Objectives and Brief Description of the Project with Justification	The overall objective of the project is disaster risk reduction, adaptation to climate change across six Upazilas of three disaster-prone districts of Bangladesh through Construction and rehabilitation of embankments/dykes, Construction of Revetment, Canal Re-Excavation, Construction and Maintenance of sluice gate, River Dredging/ Re-Excavation, Rehabilitation of Submersible Embankment, Afforestation, Awareness Development, Capacity Building etc. Brief description of the project with justification Bangladesh is globally recognized as one of the most climate-vulnerable and disaster-prone countries due to its geographic location, dense population, low-lying terrain, and socio-economic challenges. The following hazards impact Bangladesh the most: flood; cyclone and surge; drought; tsunami; earthquake; riverbank erosion; landslide; salinity intrusion; drought; drought; lightning; arsenic contamination; human-induced hazards and health hazards. Climate change has increased the frequency and intensity of disasters in recent years, with floods and storm surges expected to worsen as the number of violent tropical cyclones grows. These risks present major challenges to the continued human development, poverty reduction and economic growth of the country, and to the lives, livelihoods and health of its people. The poorest, most marginalized and vulnerable communities are hardest hit by disasters in Bangladesh as they are repeatedly exposed to natural hazards without the means to recover well. As a result, the national economy is at risk from disaster events and climate stresses and a large amount of gross domestic product (GDP) is lost each year due to these events. To accelerate Bangladesh's disaster resilience, developing and implementing localized disaster risk reduction (DRR) strategies is critical which is a priority also emphasized in the Sendai Framework for Disaster Risk Reduction (2025-2030). By adopting tailored DRR plans at the Upazila level, the country can significantly minimize disaster-related losses, safeguard economic growth, and ensure sustainable development. This approach directly supports the nation's long-term development goals. 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 Ministry of Disaster Management and Relief (MoDMR) and Department of Disaster Management (DDM), supported by the Japan International Cooperation Agency (JICA). In this Project, Upazila disaster

	risk reduction plans have been formulated in six pilot Upazilas of three districts, which are Cox's Bazar (Cox's Bazar Sadar and Chakaria), Sunamganj (Chhatak and Jagannathpur) and Kurigram (Chilmari and Ulipur). These plans include involvement of project implementing agencies like BWDB, LGED, SoB, GSB, BMD, PWD, FSCD, and so on. The districts of Cox's Bazar, Kurigram, and Sunamganj represent distinct disaster risk profiles, each facing unique environmental and socio-economic challenges: • Cox's Bazar, located along the Bay of Bengal, is highly exposed to flood, storm surge, sediment disasters, particularly affecting coastal and hill areas; • Kurigram, situated in the floodplains of northern Bangladesh, is frequently affected by river floods and erosion from major rivers like the Brahmaputra, Dharla, and Teesta. Communities face recurring displacement, crop loss, and damage to livelihoods; • Sunamganj, part of the Haor (wetland) basin in northeastern Bangladesh, is highly vulnerable to flash floods and waterlogging, especially during the pre-monsoon season. This severely affects agriculture and food security in the region. This PDPP has been formulated based on the proposed countermeasures outlined for Bangladesh Water Development Board (BWDB) in the "Upazila Disaster Risk Reduction Action Plan (UzDRRAP)," prepared by the Department of Disaster Management and. To ensure disaster risk reduction and resilience enhancement, financial and technical assistance from development partner is required.
06	Relevance of the Project with the Short/ Medium/ Long Term Policies/ Plans/ Programmes, etc. • Improve flood management (Introduction of spatial planning and flood hazard zoning based on intensity of flooding, river management, excavation, and smart dredging); • Smart dredging activities for all rivers and wetlands to maintain flow and transport as well as accommodate and smooth drainage of excess floods during climate-induced extreme events; • Effective management of existing polders for storm surge and salinity intrusion; • Flood control programmes in the plains as well as in the haor areas; • Integrated management and protection of coastal polders, embankments, sea dikes, and flood & cyclone shelters against sea level rise, storm surge and flooding; • Protection of agriculture and vulnerable communities from floods in haor and flash flood areas. Linkage with Sustainable Development Goals (SDGs) The proposed project is linked with Sustainable Development Goals (SDGs) as follows:

		Goal 1: End poverty in all its forms everywhere. Target 1.5: By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters. Goal 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture. Target 2.4: By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality. Goal 6: Ensure availability and sustainable management of water and sanitation for all. Target 6.5: By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate; Goal 13: Take urgent action to combat climate change and its impacts. Target 13.1: Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries. The proposed project is aligned on National adaptation plan (NAP) of Bangladesh (2023-2050) Goal and adaptation strategies are as follows: Goal 1: Ensure protection against climate change variability and induced natural disasters. S 1.1: Combat cyclonic storm surges, sea-level rise and salinity intrusion; S 1.2: Manage floods, erosion and drought risks; S 1.3: Protect lives, livelihoods, infrastructure and ecosystems against slow-onset and other climate extremes. Goal 6: Ensure transformative capacity-building and innovation for climate change adaptation. S 6.2: Introduce innovation in reducing climate change and disaster risks and consequent losses and damages. The proposed project is related to the following BDP 2100 goals and strategy BDP 2100 Higher Level Goals Goal 1: Eliminate extreme poverty by 2030; Goal 2: Achieve upper middle-income status by 2030; and Goal 3: Being a Prosperous Country beyond 2041. BDP 2100 Specific Goals Goal 1: Ensure safety from floods and climate change related disasters; <u>Strategy at National Level</u> <u>Flood Risk (FR) Management Strategies</u> Strategy FR 1: Protecting Economic Strongholds and Critical Infrastructure. Sub-strategy FR 1.1: Protection by development and improvements of embankments, barriers and water control structures (incl. ring dikes) for economic priority zones & and major urban centers;
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	Sub-strategy FR 1.5: Improvement of Drainage. Strategy FR 2: Equipping the Flood Management and Drainage (FMD) Schemes for the Future. Sub-strategy FR 2.2: Drainage improvement inside FMDI schemes; Sub-strategy FR 2.5: River management, excavation and smart dredging preceded by appropriate feasibility study. Strategy FR 3: Safeguarding Livelihoods of Vulnerable Communities. Sub-strategy FR 3.1: Management of rivers and embankments with provision of fastest drainage of water during monsoon and flood; Sub-strategy FR 3.2: Improved river management and better O&M of FMD schemes; Sub-strategy FR 3.7: River management as well as improved flood management, drainage, O&M and flow management. <u>Hotspot Specific Strategies</u> Coastal Zone: - Combating storm surge and salinity intrusion through effective management of existing polders; - Increase drainage capacity and reduce flood risks; Haor and Flash Flood Areas: - Protect agriculture and vulnerable communities from floods; - Management of River and water resources; River Systems and Estuaries: - Provide adequate room for the river and infrastructure to reduce flood risk; - Improvement of the conveyance capacity as well as stabilize the rivers; - Developing strategy for sediment management including a strong capital dredging and maintenance programme;
07	Relevance with Other Development Programs of the Concerned Sector. Parallel to the Project, Haor Flood Management and Livelihood Improvement Project (BWDB Part) has been recently implemented.
08	The following specific socio-economic benefits are expected from the proposed projects: - Enhancing disaster resilience through climate-resilient flood protection and water management infrastructure; - Reducing loss of life during floods, tidal surges, and erosion due to strengthened embankments; - Reducing agricultural vulnerability through improved flood control and drainage; - Decreasing soil erosion and salinity intrusion, resulting in sustained agricultural output; - Protecting key livelihood assets such as farmland, fish ponds, livestock, and homesteads; - Reducing the need for seasonal or crisis-driven migration; - Ensuring long-term savings from reduced disaster damage to roads, bridges, embankments, and public facilities;

		- Improving drainage through sluice gate and canal excavation in flood prone areas. - Afforestation through tree plantation along embankments and canals to prevent erosion and enhance carbon sequestration. - Generation of employment through construction and maintenance work.																																										
09	i) Estimated Cost of the Proposed Project (Taka in Million) ii) Nature of Foreign Assistance (Loan/Grant/Others)	BDT 12055 million (USD 99.3 million) The detailed cost estimate is attached as Annexure-A *1 USD = 121.4 BDT <i>Bangladesh Bank Exchange rate July 10, 2025</i> Loan/ Grant																																										
10	Likely Source of Foreign Assistance	Japan International Cooperation Agency (JICA) or any other source																																										
11	If any feasibility study has been done	Tentative items of works & costs (Annexure-A) are prepared based on the information provided from the BWDB field offices and considering 'Upazila Disaster Risk Reduction Action Plan (UEDRRAP)' prepared by Department of Disaster Management. Quantity & costs of works will be finalized during the DPP preparation. Upazila wise items of works, quantity and costs are given in Annexure-A & Total Quantity and Items of works (District wise) are given below:																																										
<table> <tr> <th>Sl</th><th>Item of Works</th><th>Quantity</th></tr> <tr> <td colspan="3">Cox's Bazar</td></tr> <tr> <td>1</td><td>Construction of Embankment/polder (km)</td><td>39.98</td></tr> <tr> <td>2</td><td>Rehabilitation of Embankment/polder (km)</td><td>51.46</td></tr> <tr> <td>3</td><td>Canal Re-Excavation (km)</td><td>31.48</td></tr> <tr> <td>4</td><td>Construction of sluice gate (Nos)</td><td>13</td></tr> <tr> <td>5</td><td>Maintenance of sluice gate (Nos)</td><td>7</td></tr> <tr> <td colspan="3">Sunamganj</td></tr> <tr> <td></td><td>Rehabilitation of Embankment/polder (km)</td><td>1.86</td></tr> <tr> <td></td><td>River Dredging/ Re-Excavation (km)</td><td>12.98</td></tr> <tr> <td></td><td>Rehabilitation of Submersible Embankment (km)</td><td>108.18</td></tr> <tr> <td colspan="3">Kurigram</td></tr> <tr> <td></td><td>Construction of Embankment/polder (km)</td><td>46.00</td></tr> <tr> <td></td><td>Riverbank Protection Works (km)</td><td>83.30</td></tr> </table>			Sl	Item of Works	Quantity	Cox's Bazar			1	Construction of Embankment/polder (km)	39.98	2	Rehabilitation of Embankment/polder (km)	51.46	3	Canal Re-Excavation (km)	31.48	4	Construction of sluice gate (Nos)	13	5	Maintenance of sluice gate (Nos)	7	Sunamganj				Rehabilitation of Embankment/polder (km)	1.86		River Dredging/ Re-Excavation (km)	12.98		Rehabilitation of Submersible Embankment (km)	108.18	Kurigram				Construction of Embankment/polder (km)	46.00		Riverbank Protection Works (km)	83.30
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APPENDIX 3-6

Operation Manual for UzDRRAP Formulation*

*This includes the Operation Manual on Utilization of Local Consultants.

Operational manual for UzDRRAP Formulation

June 2025

Department of Disaster Management (DDM)/

JICA Expert Team

Preface

The Department of Disaster Management (DDM), under the Ministry of Disaster Management and Relief (MoDMR), has been working to strengthen institutional capacity for effective disaster risk reduction (DRR) at both national and local levels. As part of these ongoing efforts, this Operation Manual has been developed under the technical cooperation project, the Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan (LDRRP), supported by the Japan International Cooperation Agency (JICA).

This manual is intended to serve as a practical tool for DDM officials and local stakeholders, supporting the planning, implementation, and monitoring of DRR activities. It consolidates procedures and tools formulated through pilot implementation, field consultations, and technical discussions conducted during the course of the project.

The contents of this manual were jointly developed with the support of the JICA Expert Team (JET) and reflect the inputs of DDM officials and local actors. It has been designed to align with DDM's institutional structure and operational requirements, with the aim of ensuring its long-term usability and ownership.

We extend our sincere appreciation to JET and the consulting experts for their technical assistance and dedication. We also acknowledge the contributions of local government representatives and other stakeholders whose insights enriched the development of this manual.

We hope that this manual will serve as a valuable resource for DDM and its partners in advancing disaster resilience across Bangladesh.



Mr. Md. Abdullah Al-Mamun
Director (Planning & Development)
Department of Disaster Management,
June 2025

Acronyms

CRA	Community Risk Assessment
DC	District Commissioner
DDM	Department of Disaster Management
DDMC	District Disaster Management Committee
DG	Director General
DPP	Development Project Proposal
DRR	Disaster Risk Reduction
DRRO	District Relief and Rehabilitation Officer
FPOCG	Focal Point Operation Coordination Group
GIS	Geographical Information System
GL	Guideline
JET	JICA Expert Team
JICA	Japan International Cooperation Agency
LDRRP	Local Disaster Risk Reduction Plan
NGO	Non-Governmental Organization
PD	Project Director
PDPP	Preliminary Development Project Proposal
P/O	Project Implementing Officer
SFDRR	Sendai Framework for Disaster Risk Reduction
SOD	Standing Order of Disaster
STEM	Science, Technology, Engineering and Mathematics
UNO	Upazila Nirbahi Officer
UzDMC	Upazila District Management Committee
UzDRRAP	Upazila Disaster Risk Reduction Action Plan
UzSC	Upazila Sub-Committee
WS	Work Shop

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1. Introduction

1.1. Purpose of this Manual

This Manual contains guidance for DDM officials who are involved in the formulation of an Upazila Disaster Risk Reduction Action Plan (UzDRRAP) and the local consultants on understanding the practical and concrete procedures for the formulation of UzDRRAPs.

1.2. Main target of this Manual

This manual mainly targets the following users.

Personnel	Responsibility
Central officials of DDM	- Planning and instructing the project regarding the formulation of UzDRRAPs - Monitoring of the implementation status of the formulated UzDRRAPs - Coordination with relevant departments
Local officials of DDM (DRROs and PIOs)	- Lead the UzDRRAP formulation involving the District Disaster Management Committee (DDMC) and Upazila Disaster Management Committee (UzDMC) members - Monitoring of the implementation status of the formulated UzDRRAPs and reporting to the higher authority
Local consultants	Support the UzDMC to formulate UzDRRAPs

1.3. Expected use of this manual

This manual illustrates the series of steps to formulate an UzDRRAP. Therefore, this can be utilized from the beginning of the preparation for the UzDRRAP formulation until the approval of the plan.

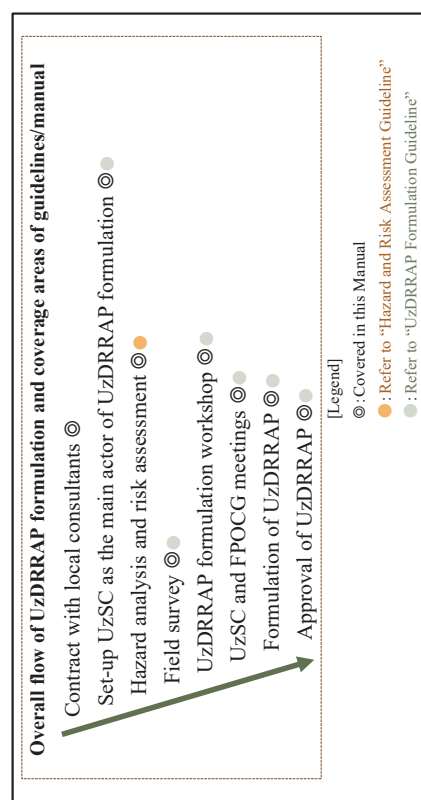


Fig. Flow of UzDRRAP formulation

In the Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan (the Project), the guidelines for hazard analysis and risk assessment, and the guideline for UzDRRAP formulation were developed. The expected use of guidelines related to this operation manual is shown below.

Table. Guidelines used for UzDRRAP formulation

	Guideline Hazard Analysis and Risk Assessment for Local Disaster Risk Reduction Action Plan	Guideline for Formulation of an Upazila Disaster Risk Reduction Action Plan
Objectives	To support GIS engineers and UzDMC to illustrate the spatial distribution of potential hazards and quantitatively estimate damages and losses based on hazard maps	To support the UzDMC and local consultants to develop an UzDRRAP
Target	- DDM officials, specifically GIS engineers - Local DMC - Local consultants	- DDM officials, - UzDMC, Local DMC - Local consultants
Major Contents	- Recommended methods of hazard analysis and risk assessments, targeting flood, coastal disasters, sediment disasters, and earthquake shaking - Sample outputs of each analysis	- DRR planning approach and legal background - Planning process and methods, including the structure of the UzDRRAP and the workflow of planning and implementation

1.4. Pre-condition for formulating UzDRRAPs

When starting formulation of an UzDRRAP, the following items are required.

- ☐ The Guideline for Formulation of an Upazila Disaster Risk Reduction (DRR) Action Plan (UzDRRAP GL)
- ☐ Risk assessment result and hazard maps, in accordance with the Guideline for Hazard Analysis and Risk Assessment for Local Disaster Risk Reduction Plan (Hazard and Risk GL)
- ☐ Trained local consultants who will support in developing an UzDRRAP
- ☐ Securing the budget for UzDRRAP formulation, including field activities and workshops

1.5. Key Concepts of the UzDRRAP

This section introduces key terms that appear in flow diagrams and procedural descriptions throughout this operation manual. For technical details, refer to the UzDRRAP GL and Hazard and Risk GL.

- **UzDRRAP (Upazila Disaster Risk Reduction Action Plan):**

A comprehensive Disaster Risk Reduction (DRR) plan developed through a participatory process led by local authorities, particularly the UzDMC. It aligns with national policies and includes hazard assessment, DRR targets, and a prioritized action plan.

The plan also serves as a tool to facilitate coordination and promote the implementation of DRR measures by relevant line departments.

- **DRR Target:**

The DRR Target is the challenge of the target Upazila which are summarized through discussions by the UzDMC members based on objective information on disaster potential derived from hazard analysis and risk assessment, disaster experience and needs of countermeasures of the residents, and professional opinions of the local departmental officials. DRR Targets are categorized by hazard type, area and time frame (short/mid/long term). For example:

“Flood – Inland area – Short term- Reduce damage to people and assets, and maintain roads by improving evacuation and major roads.”

- **Action Plan:**

The action plan consists of thematic programs, which are derived from the means described in DRR Targets (e.g., “by improving evacuation systems and roads”). Each program groups together feasible countermeasures that correspond to these means, helping translate DRR Targets into implementable components. Programs are organized by intervention type (structural/non-structural), location, and timeframe. The action plan supports coordination among implementing departments and helps identify priority projects for implementation.

- **UzSC (Upazila Sub-Committee):**

The UzSC is a sub-committee nominated from UzDMC members by the UNO. It is the main body responsible for reviewing hazards and risk, setting DRR Targets, proposing countermeasures, and drafting the UzDRRAP. UzSC plays a central role in building local consensus and coordinating technical inputs during the planning process.

- **LDRRP Unit (Local DRR Planning Unit):**

A technical unit within DDM that supports UzDRRAP formulation under the Planning Wing of DDM. It guides DRROs and UzSCs, reviews local consultant outputs, and coordinates with the GIS Unit and line departments to ensure consistency with national guidelines.

- **FPOCG (Focal Point Operation Coordination Group):**

A coordination group led by DDM at the central level, composed of focal persons from relevant line departments. FPOCG plays a key role in promoting implementation and monitoring of UzDRRAPs by facilitating inter-departmental coordination, addressing gaps, and ensuring information flow between the local and national levels.

2. Role of stakeholders for formulating an UzDRRAP

The following diagram is the general overview of the relationship between the main stakeholders of UzDRRAP formulation.

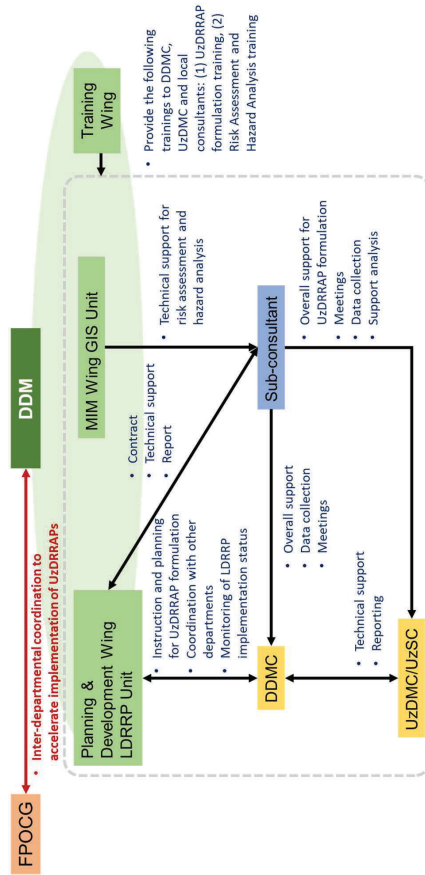


Fig. Relationship among major stakeholders for formulating UzDRRAPs

The major stakeholders for the UzDRRAP formulation and their basic roles are shown below.

Table. Role and Responsibility for UzDRRAP formulation

	Role and Responsibility
DDM HQ	• Coordinate with all stakeholders as a secretariat
LDRRP unit (Planning Wing)	• Trainers of UzDRRAP formulation training (coordination with the Training Wing) • Contract with local consultants who conduct field activities and manage the overall activities for UzDRRAP formulation • Coordinate with the GIS unit to support hazard analysis and risk assessment for UzDRRAP formulation • Monitoring the UzDRRAP implementation status through DRROs. • Organize FPOCG meetings and share the UzDRRAP formulation and implementation status
GIS unit	• Maintain and manage GIS data necessary for hazard analysis and risk assessment which were prepared in the Project • Provide GIS data necessary for the UzDRRAP formulation to UzSCs and local consultants

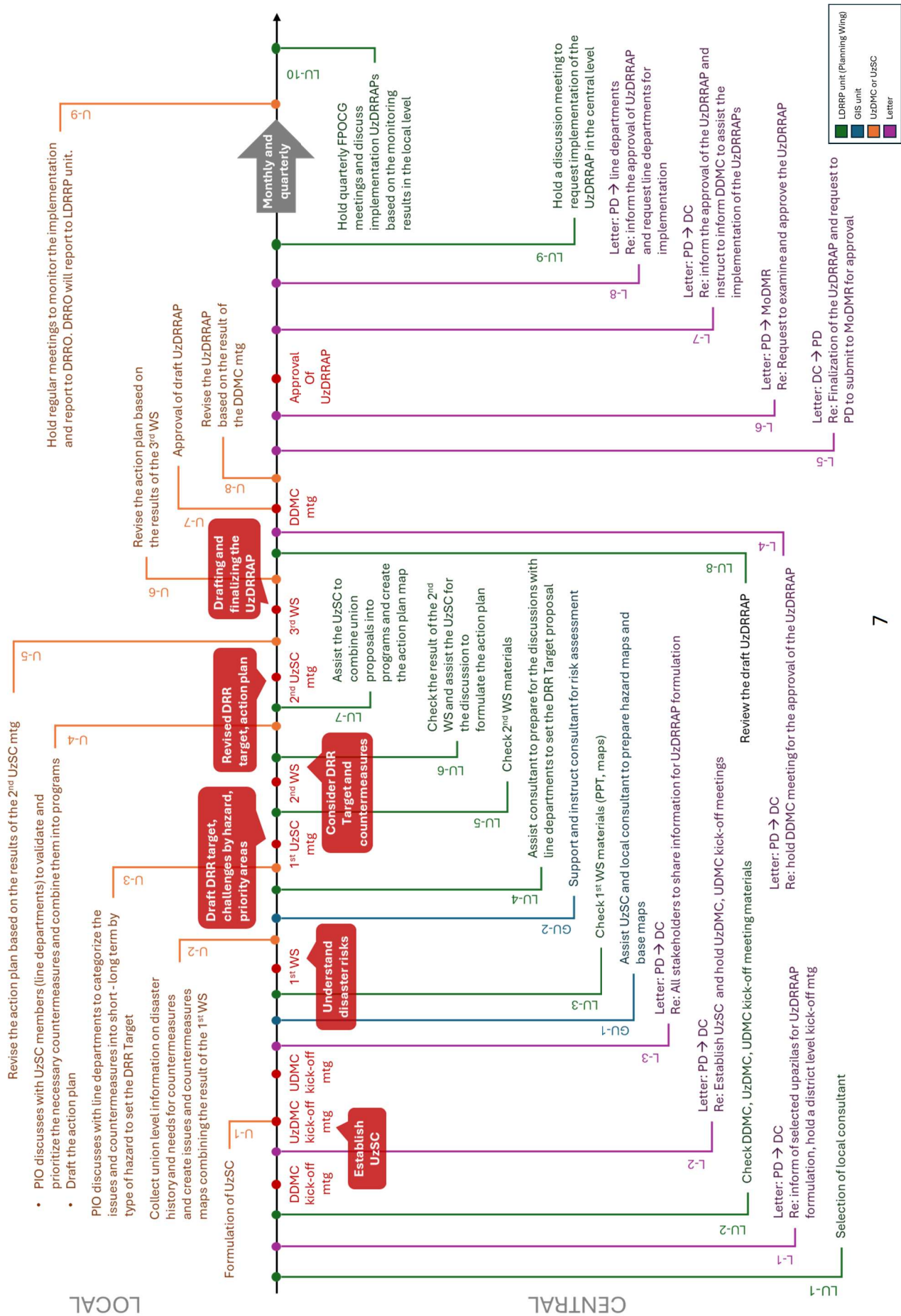
Role and Responsibility	
	Provide technical support to UzSC and local consultants in UzDRRAP formulation
Training and Research Wing	- Maintain and manage the training materials for UzDRRAP formulation - Provide UzDRRAP formulation training to DDMC, UzDMC, UzSC, UDMC and local consultants before starting the UzDRRAP formulation
District	DDMC
	DRROs
	- Report on the progress of UzDRRAP formulation including workshops and the result of UzDRRAP as a representative of DDMC, to the LDRRP unit of DDM to promote possible new intervention - Monitor the UzDRRAP implementation status and confirm in DDMC meetings. Report to the LDRRP Unit.
Upazila	UzDMC
	UzSC*
	*Members are nominated from UzDMC
	PIO
	- Coordinate UzDRRAP planning under the supervision of the UNO, including organizing meetings and workshops - Report the status of the UzDRRAP formulation to DDM through the DDMC to promote possible funding for UzDRRAP implementation - Report the UzDRRAP implementation to DRRO
Union Parishad	UNO/Uz Chairman
	- Supervise UzDRRAP formulation and lead the discussions among UzSC and UzDMC members - Report to the DDMC before initiation of the UzDRRAP formulation as well as the completion of the plan
	- Participate in the field survey to examine DRR-related challenges - Attend UzDRRAP formulation workshops, including UDMC meetings and UzDMC meetings - Propose countermeasures to solve the issues
FPOCG	Prioritize projects in UzDRRAP and coordinate among departments to facilitate implementation

Role and Responsibility	
	Monitor the project implementation status
Project implements departments (e.g., DDM, BWDB, LGED, DPHE, DAE etc.)	- Attend UzDRRAP formulation workshops and UzSC meetings - Provide DRR project information to UzDMC/UzSC - Share the policy/plans of DRR projects among UzDMC/UzSC

3. Internal Procedure for UzDRRAP Formulation

The following diagram is the overall internal procedure for the UzDRRAP formulation at the central level as well as the local level.

The diagram shows what the LDRRP Unit in the Planning wing of DDM should do, what kind of letter should be sent as a queue for the next action, what should be done at the local level and what support the GIS Unit should provide in a timeline of activities for the UzDRRAP formulation process



4. The Procedure Each Relevant Entity Should Take for UzDRRAP Formulation and Implementation

This part details the procedure shown in “3. Internal Procedure for UzDRRAP Formulation” by each entity with responsibility in the formulation of UzDRRAPs.

4.1. LDRRP Unit

No	Description	Flow	Prior and Subsequent step
LU-1	Select local consultant to facilitate the UzDRRAP formulation. (Refer to draft TOR in Annex 3 and modify if necessary)	LDRRAP unit coordinate with Admin and Budget	■ □L-1
LU-2	Review the kick-off meeting materials for DDMC, UzDMC, UDMC meetings which will be prepared by the consultants.	1. LDRRAP unit to instruct local consultant to prepare materials 2. Review the submitted materials	■L-1 □DDMC kick-off MTG
LU-3	Review the 1 st WS materials prepared by the consultants. - Presentation - Hazard map - Base map - Work sheet	1. Consultant prepares materials with the support of the GIS unit 2. Submit to LDRRAP unit for review	■GU-1 □1st WS
LU-4	After the 1st WS, the consultant will conduct the hazard analysis and risk assessment with the support of the GIS unit. The LDRRP unit will give technical support to the DRRO and PIO to discuss with line departments to understand the risks of the upazila	1. Once the consultant finishes the risk assessment, the consultant shall discuss with LDRRAP unit 2. LDRRAP unit will instruct DRRO and PIO	■GU-2 □U-2
LU-5	The objective of the 2nd WS is for the unions to check their proposals of issues and countermeasures considering the DRR Target proposed by the UzSC.	1. Consultant prepares materials for the 2nd WS	■1st UzSC MTG □2nd WS

No	Description	Flow	Prior and Subsequent step
LU-6	LDRRAP unit shall check the materials prepared by the consultants (presentation, issues and challenges and countermeasures map, DRR Target reference sheet, new countermeasures proposal form) if they cover the objectives of the 2nd WS. The consultants will prepare hazard wise issues maps with the description of each countermeasure which are updated based on the results of the 2nd WS. Check to see if the ID of the countermeasures properly corresponds to the list of issues that were crafted by the local consultants based on the results of the 2nd WS within the map. The list of issues should describe the location of the issues, causes and effects (e.g. XX river overflows annually and inundates YY ward for ZZ days, therefore there are no means for residents of YY ward to evacuate)	2. Receive draft materials from consultants 3. Review the materials and give feedback	■2nd WS □U-3
LU-7	LDRRP unit will guide UNO, PIO and UzSC in reviewing and organizing the countermeasures raised by Union representatives into coherent and implementable programs that contribute to achieving the DRR targets. The perspective required when combining the countermeasures are: - location - technical/geographical commonalities - necessary coordination between line departments - whether the action will be taken in the short/mid/long term For actions in which their location can be identified, create an action plan map which shows the rough location of each program.	1. Instruct UzSC (UNO and PIO) to discuss with line departments to combine the countermeasures against the issues raised by the unions in consideration of their ongoing or planned projects using the countermeasures maps and list of issues 2. Instruct UNO and PIO to create an action	■U-3 □2nd UzSC MTG

No	Description	Flow	Prior and Subsequent step
	For actions which the location cannot be specified, they do not need to be shown in the action plan map. Countermeasures which do not directly solve the DRR issues shall be excluded from the action plan with a remark in the issues and countermeasures list.	plan map for the upazila 3. Instruct the consultant to digitize the action plan map	
LU-8	Review the draft UzDRRAP. The necessary perspective is whether Chapters 1-3 soundly show the situation of the upazila, whether the relationship between Chapter 4 (DRR Target) and Chapter 5 (Action Plan) make sense and can cover the issues of the upazila	1. LDRRAP unit will receive the UzDRRAP updated by the UzSC and UzDMC and review it 2. LDRRAP unit with provide input to the UzSC and UzDMC if necessary for finalization	■ U-6 □ L-4
LU-9	After the approval of the UzDRRAP, the LDRRAP unit will organize a meeting with the line departments in the central level to discuss about the implementation of the UzDRRAP and areas in which departments can coordinate, as well as funding sources.		■ L-8 □ U-9
LU-10	UzDMC members shall share the implementation status of the UzDRRAP in the upazila level monthly development coordination meetings. UNO and PIO shall report to DRRO. DRRO shall gather implementation status from line departments in the district level monthly development coordination meetings and report to the FPOCG.		■ LU-9 □

4.2. GIS Unit

No	Description	Flow	Prior and Subsequent step
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GU-1	Provide support to the UzSC and local consultants to obtain the necessary data for hazard assessment and risk analysis which will be conducted based on the Hazard and Risk GL and video tutorials prepared in the Project.	■ L-3 □ LU-3
GU-2	Using the Hazard and Risk GL, support and instruct the consultants to conduct risk assessment.	■ U-2 □ LU-4

4.3. Local Level (UzSC)

No	Description	Flow	Prior and Subsequent step
U-1	The UNO is to hold an UzDMC meeting to kick-off the activities to formulate an UzDRRAP. In doing so, UNO will nominate a list of members from the UzDMC to establish a UzSC	1. Discuss with PIO to select UzSC members before the meeting 2. Hold the meeting and explain the activities for the formulation of the UzDRRAP 3. Nominate the UzSC members and get approval from UzDMC	■ L-2 □ UDMC kick-off MTG
U-2	The UzDMC will collect union level information on disaster history and needs for countermeasures. Based on the collected materials to create issues and countermeasures maps combining the results of the 1 st WS.	1. UNO shall issue an instruction to the union level to cooperate with the local consultants in collecting information on disaster history and needs for countermeasures in the local level. 2. Local consultants collect union level information and consolidate the collected information along with the results from the 1 st workshop. 3. The local consultants shall make a GIS based map of	■ 1st WS □ GU-2

No	Description	Flow	Prior and Subsequent step
U-3	UNO and PIO are to discuss with UzSC members to categorize the issues and countermeasures which were raised in the 1st workshop into short to long term by the type of hazard in consultation with DRRO. This categorization will be used to set the DRR target of the Upazila.	4. Consultants will prepare a draft of the categorization of the issues and countermeasures 5. UNO and PIO (and DRRO) will discuss individually with the UzSC members using the draft prepared by the consultants	■ LU-4 □ 1st UzSC MTG
U-4	UNO and PIO are to discuss with UzSC members to validate and prioritize the necessary countermeasures based on the results of the 2nd workshop in consultation with DRRO. Then combine them into programs (actions) to draft the action plan.	1. Consultants will prepare maps of the countermeasures and create a draft action plan map by combining the necessary countermeasures 2. UNO and PIO (and DRRO) will discuss individually with the UzSC members to validate and prioritize the countermeasures	■ 2nd WS □ LU-7
U-5	Revise the action plan after the 2 nd UzSC meeting if there are any comments.	1. Hold 2 nd UzSC meeting 2. Consult with LDRRP unit on how to revise action plan 3. Revise action plan and prepare for 3 rd workshop	■ 2nd UzSC MTG □ 3rd WS
U-6	Revise the action plan based on the comments in the 3 rd Workshop	1. Hold 3rd Workshop 2. Consult with LDRRP unit on how to revise action plan 3. Revise action plan and prepare the draft UzDRRAP	■ 3rd WS □ LU-8

No	Description	Flow	Prior and Subsequent step
U-7	UNO to present the Upazila's UDRRAP at the DDMC meeting for approval	1. Prepare a presentation to explain the draft UzDRRAP of the Upazila 2. Send invitations to DDMC members for the DDMC meeting	■ L-4 □ U-7
U-8	Revise the action plan based on the comments in the DDMC meeting		■ U-6 □ L-5
U-9	Report the implementation status in the monthly development coordination meetings in the upazila and district level and report the status to the FPOCG.	1. UNO and PIO shall gather implementation status from line departments in the upazila level monthly development coordination meetings monitor implementation and report to DRRO. 2. DRRO shall collect implementation status from line departments in the district level monthly development coordination meetings and report to FPOCG.	■ LU-9 □

4.4. Vital letters for UzDRRAP formulation

No	Description	Flow	Prior and Subsequent step
L-1	Inform the District which Upazilas were selected to formulate UzDRRAPs and instruct to hold a district level kick-off meeting	PD → DC	■ LU-1 □ LU-2
L-2	Instruct to establish a UzSC by selecting relevant members from the UzDMC and hold UzDMC and UDMC kick-off meetings	PD → DC	■ DDMC kick-off MTG □ U-1
L-3	Request all stakeholders (local level line departments, unions, paurashavas etc) to share	PD → DC	■ UDMC kick-off MTG □ GU-1

	necessary information such as disaster history, basic statistics etc. for the UzDRRAP formulation		
L-4	Instruct to hold a DDMC meeting for each Upazila to present their UzDRRAP and for them to be approved in the District level	PD → DC	☒ LU-6 ☐ DDMC MTG, U-6
L-5	Report to the LDRP unit of the finalization of the UzDRRAP of the upazila in the district and request to the PD to submit the plan to MoDMR for approval	DC → PD	☒ U-7 ☐ L-6
L-6	Report the finalization of the UzDRRAP of the upazila and request for approval of the plan	PD → MoDMR	☒ L-5 ☐ Approval of UzDRRAP
L-7	Inform the DDMC of the approval of the UzDRRAP and instruction to act for implementation of the plan	PD → DC	☒ Approval of UDRRAP ☐ L-8
L-8	Inform the line departments of the approval of the UzDRRAP and request for implementation of the plan	PD → Line departments	☒ L-7 ☐ LU-9

※all letters from PD to DC should be copied to DDMC members. If the letter is about activities in the upazilas or unions, UNO should issue a letter referring to the letter from the PD. Refer to sample of letters in Annex 4.

5. Overall responsibilities within DDM related to UzDRRAP

This chapter explains how the key divisions of DDM (the Planning and Development Wing and Training and Research Wing) contribute to the formulation and oversight of the UzDRRAPs. Each section corresponds to the specific organizational unit and outlines their roles in providing strategic coordination, administrative arrangement, and capacity development to ensure consistent and effective planning and implementation across upazilas and districts.

5.1. Planning and Development Wing

5.1.1. Coordination with the FPOCG

- Support the establishment of UzSCs
- Support the upazilas in formulating a plan that includes the information of the ongoing and planned projects of relevant implementation departments
- Support to actualize the structural and non-structural measures planned in the UzDRRAP by aggregating, organizing and monitoring the progress of existing DRR-related projects. Specifically, request the implementation departments for further surveys (e.g. F/S) to accelerate implementation using opportunities such as the quarterly FPOCG meetings.
- Support the discussions on development projects which have the possibility to affect human lives or cause disasters.

- Support the integration of the formulated UzDRRAPs and the DRR concept to PDPPs/DPPs, ADPs and 5-year plans in line with SFDRR.

5.1.2. Management of the Guidelines and Manuals of the UzDRRAP

- 2 guidelines for UzDRRAP were created by the support from the Project for Capacity Enhancement on Formulation and Implementation of Local Disaster Risk Reduction Plan. The Planning Wing will manage the guidelines and share them with the stakeholders of the UzDRRAP as well as the local consultants tasked to support the target Upazilas.
- Update and brush up on the UzDRRAP Guideline and Manuals when necessary.

5.1.3. Prioritization and Selection for UzDRRAP and PDPP/DPP Development

- The planning wing is responsible for selecting the priority upazilas for the formulation of UzDRRAPs.
- When selecting the priority upazilas, the planning wing should refer to Annex 1 of this operation manual which details the selection process of priority upazilas.

5.1.4. Selection and Management of Consultants to Support the Formulation of the UzDRRAPs

- Selection of consultants

① Decide the timeline for the selection of the consultant

Decide the schedule for the following items:

- Start date of work, date of contract with consultant, date of bidding result notification, date of bid opening (the amount will be opened and announced first, and it will take several days to evaluate the contents of the technical proposal), date of bid closing, date of announcement
- ② Create a long list of consultants and NGOs with a track record of activities in the field of DRR in the district or upazila where the UzDRRAP is to be formulated
- ③ Create a short list of consultants and NGOs based on the selection criteria*

When selecting consultants and NGOs, it is desirable to evaluate them from the following perspectives.

- Does the organization have good experience to work with local governments and the target upazila/district administration?
- Does the organization have multiple personnel who can collect union-level information?
- Does the organization have a base in the target upazila/district to organize the collected information?
- Does the organization have personnel and track record on experience in activities related to DRR or CRA?
- Does the organization have personnel with a STEM background?
- Does the organization have the ability to hire a GIS engineer?

Refer to the table in Annex 2 to collect and organize information on candidate

- ④ Preparation of ToR, preparation and distribution of invitation to bidders
Notice the project to the shortlisted candidate NGOs/consultants. The following documents will be distributed at that time.
- Invitation letter: Notifies each organization that they will be nominated for the UzDRRAP formulation work through the designated competitive bidding method (comprehensive method)
 - Instruction to Bidders: Instructs the nominated organizations on the documents they need to submit when bidding, the target upazilas/districts, handling of costs for preparing the bid, language to be used, documents to be included in the technical proposal and price, submission method, bidding deadline, etc.
 - Technical and Financial Proposal Forms: Format of the technical proposal and price proposal
 - Cost Breakdown Form: Format of the estimate table to be used for the financial proposal
 - ToR for the UzDRRAP formulation: Document summarizing the specifications of the work including the background of the work implementation
Each example is shown in Annex 3.
- ⑤ Receiving proposals, opening, and evaluating proposals*
Example of an evaluation sheet is shown in Annex 4.
- ⑥ Final selection and notification
- ⑦ Contract with contractor
- Management of consultants
 - Based on the UzDRRAP GL, receive reports from subcontractors as appropriate and provide instructions and technical advice regarding information gathering and analysis before WSs, meetings, etc., and preparation of presentation materials. Necessary communications are listed in 4.1 shown above
 - At the same time, manage the progress of subcontractors and work with the Admin & Budget Wing to proceed with payments to subcontractors.

5.1.5. Support On Approval, Implementation and Follow Up on UzDRRAPs

Approval of UzDRRAP

- Once the UzDRRAP is finalized, it should be submitted to MoDMR for review and approval.
- The letter example to be submitted is shown in Annex 4.

Implementation of projects Specified in the UzDRRAP

When the plan is approved, the plan can be used as a basis for discussions with line departments including DDM itself to implement the UzDRRAP.

- DDM should hold an information sharing meeting with the relevant line departments for discussions, coordination, collaboration and decisions.
- For projects which are decided to be implemented by DDM, the Planning and Development Wing shall task an official to prepare DPP/PDPPs.

Follow up of UzDRRAP

- The implementation status shall be monitored quarterly at the district level and to be reported to the LDRRAP unit. The LDRRAP unit shall facilitate FPOCG meetings to accelerate implementation among line departments. and report to the DG as well as shared to the relevant line departments.
- It is recommended that the Planning and Development Wing update the approved UzDRRAPs to reflect the changes every five years as Bangladesh is a fast-growing country, it is expected that conditions of cities and villages will change rapidly hence affecting the risks and hazard.

5.2. Training and Research Wing

5.2.1. Formulation of Training Plan for UzDRRAP, Preparation and Implementation of Training Materials

With the support of JICA, the following training modules and training materials were created. Using these as a reference, budget for training shall be obtained, modules to be obtained, and manage and revise the training materials in order to raise awareness of disaster prevention among DDM staff and those involved in the formulation of UzDRRAP and to help them understand specific methods and procedures.

Table 1 Summary of Trainings Related to UzDRRAP

Name of Trainings	Overview
Basic Training on DRR	Target: DDM officials, DMC members Training Overview : - Overview of disasters in Bangladesh, Concept of DRR - Summary of SOD, Global Agenda - DRR strategies in the local level, disaster investment, good practices - Introduction of UzDRRAP and examples
UzDRRAP Formulation Training	Trainer: DDM central and regional level staff Trainee: DDM local level staff, local consultants, DMC members Duration 3 days Training Overview: - Concept and Contents of UzDRRAP - Description of the Plan Contents - Practical Guide for the UzDRRAP formulation - Guide for the supporting tool for the UzDRRAP Formulation

6. List of Annexes of this Document

Annex 1	Manual for the Selection of Priority Upazilas
Annex 2	Assessment Criteria for Local Consultants
Annex 3	Document example for Hiring Local Consultants
Annex 4	Evaluation sheet for hiring Local Consultants
Annex 5	List and Examples of Letters Related to UzDRRAP Formulation

APPENDIX 3-7

Materials for the Dissemination of Project Outcomes at International Conferences

World Bosai Forum 2025

**“Challenges of Investment in Disaster Risk Reduction
- Accelerating the implementation of Sendai Framework”**

【about JICA session】

- Reg. No. : S28
- Date : 11:30-12:30 on Saturday, March 8
- Venue : SHIRAKASHI Conference Hall, Sendai International Center Conference Bldg 3F
会議室「白樺」仙台国際センター 会議棟 3 階
- Duration : 60min
- Language : English

「防災投資の促進 仙台防災枠組の実現に向けて」

Eng : Challenges of Investment in Disaster Risk Reduction - Accelerating the implementation of Sendai Framework

- Summary -

「仙台防災枠組 2015-2030」では優先行動の 1 つとして「災害リスク削減のための投資（事前防災投資）」が設定され、世界各国で災害リスク削減の重要性や、事前防災投資が浸透しつつある。しかしながら、具体的に取組を行うためにはその前提条件、必要条件が多い上に、気候変動の影響、人口の過度な集中、無秩序な都市の拡大等もあり、枠組の期間の 3 分の 2 が終わろうとしているが災害リスク削減への課題は多い。

本セッションでは、西川智 JICA 国際協力専門員が司会を務め、世界 6 か国（インドネシア、フィリピン、フィジー、バングラデシュ、スリランカ、メキシコ）の防災機関からの登壇を予定している。各国における災害リスク削減や事前防災投資について、その具体的な事例と成果、直面している課題を共有し、意見交換を行う。現状の課題を整理し、横展開が可能な成果・教訓を共有することで、世界規模での災害リスク削減、ひいては仙台防災枠組の実施促進にも貢献する。

Eng : “Investing in disaster risk reduction for resilience” is the one of the priorities of The Sendai Framework for Disaster Risk Reduction 2015-2030, and the importance of disaster risk reduction and preventive investment for the disaster risk reduction are being strongly recognized globally. However, there are many prerequisites and requirements for concrete initiatives, and the negative consequences of climate change, excessive concentration of population, and uncontrolled urban expansion are emerging. Although 5 years are left to the SFDRR target year 2030, many issues still exist to be addressed in achieving the goals.

This session will be moderated by Prof. Satoru NISHIKAWA, Senior Advisor, JICA and will feature speakers from disaster management organizations from following countries, Indonesia, the Philippines, Fiji, Bangladesh, Sri Lanka, and Mexico. We will share specific examples and achievements of disaster risk reduction, and preventive investment for disaster risk reduction, as well as the challenges we are facing, and exchange opinions. By organizing current issues and sharing results and lessons learned that can be deployed horizontally, we will contribute to disaster risk reduction on a global scale and ultimately to the promotion of the implementation of the Sendai Framework for Disaster Risk Reduction.

防災投資 # 災害リスク削減 # 気候変動適応 # investment # disaster risk reduction # climate change adaptation

Agenda(Tentative)

1. Introduction: Dr. Satoru NISHIKAWA (JICA) [8mins]

"Risk reduction based on the Sendai Framework for Disaster Risk Reduction (Pre-disaster Investment) needs to be strengthened through the deployment of policies from central to local levels. It is also necessary to manage and maintain that system to reduced disaster risks throughout the country. Here we will introduce some practices from various countries that are implementing cooperation especially in formulating local disaster prevention plans."

2. Indonesia: Mr. Pratomo Cahyo Nugroho (BNPB) [7mins] [via online]

- Mid-level Disaster Analyst, Directorate of Disaster Management Strategy Development
- The Project for Enhancement of Disaster Risk Reduction through Improvement of the Disaster Risk Information and Communication Framework in Indonesia

3. Fiji: Ms. Melenia Vatumoto Tuinasau (NDMO) [7mins]

- Senior Administration Officer Disaster Risk Reduction, NDRMO
- The Project for Mainstreaming Disaster Risk Reduction

4. Bangladesh: Mr. Md. Abdullah – AI – Mamun (DDM) [7mins]

- Joint Secretary, Director, (Planning & Development)/Department of Disaster Management (DDM)

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

5. Philippines: Mr. Bernardo Rafaelito R. Alejandro IV (OCD) [7mins]

- Assistant Secretary and Civil Defense Deputy Administrator for Administration / Office of Civil Defense (OCD), Department of National Defense
- Disaster Risk Reduction and Management Capacity Enhancement Project Phase 2

6. Sri Lanka: Ms. Anoja SENEVIRATNE (DMC) [7mins]

- Director (Mitigation, Research and Development) / Disaster Management Centre (DMC), Ministry of Defense

- The Project for Mainstreaming Disaster risk Reduction through Establishing Local Disaster Risk Reduction based on Basin Strategy in Sri Lanka

7. México: Ms.(Mtra.) Constanza Anahí Elsa Rivera Pereira (CENAPRED) [7mins]

- DRR Public Policy Director, CENAPRED

- Project for Strengthening of the Disaster Risk Reduction Governance in Mexico

8. Closing Remarks:

Mr. Rajesh Sharma (UNDP Bangkok) [5mins]

- Regional Team Leader (a.i.), Disaster Risk Reduction and Recovery for Building Resilience Team (DRT), UNDP Bangkok Regional Hub

Ms. Elizabeth Riley (CDEMA) [5mins]

- Executive Director/ Caribbean Disaster Emergency Management Agency (CDEMA)



防災投資の促進 仙台防災枠組の実現に向けて

Challenges of Investment in Disaster Risk Reduction - Accelerating the implementation of Sendai Framework



11:30-12:30
Saturday, 8 March 2025



SHIRAKASHI Conference Hall
Sendai International Center Conference Bldg 3F
会議室「白樫」仙台国際センター 会議棟3階



English



- Summary -

"Investing in disaster risk reduction for resilience" is being strongly recognized globally as the one of the priorities of The Sendai Framework for Disaster Risk Reduction 2015-2030. However, climate change, rapid population concentration in urban areas lie ahead which may hinder positive investments. With five years to go till the 2030 target, many challenges remain.

This session, moderated by the Senior Adviser of JICA, will feature speakers from national disaster management organizations. They will share best practices, achievements to date, and challenges in disaster risk reduction and preventive investment, and the discussions will contribute to global disaster risk reduction and promote Sendai Framework's implementation.

「レジリエンスのための事前防災投資」は、仙台防災枠組SFDRR2015-2030の優先事項の一つとして、世界各国で強く意識されています。しかし、気候変動、都市への急速な人口集中といった現象が多く、その実現には課題が山積しています。

このセッションでは、JICA国際協力専門員の司会のもと、世界各国の防災行政組織の専門家が登壇します。災害リスク軽減と予防的投資における好事例、成果、課題を共有することを通じて、全世界の災害リスク軽減に貢献し、仙台防災枠組の実施を促進することを目指します。



In collaboration with

DDM, Bangladesh
NDRMO, Fiji
BNPB, Indonesia
CENAPRED, Mexico

OCD, Philippines
DMC, Sri Lanka
UNDP
CDEMA



About Forum



JICA Global Agenda



The World Bosai Forum -2025 (WBF2025)

Challenges of Investment in Disaster Risk Reduction : *Accelerating the Implementation of Sendai Framework*

Participant Country: **Bangladesh**



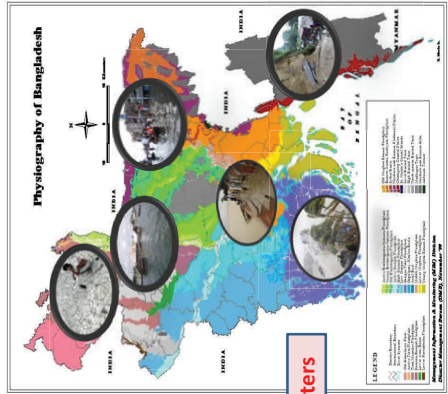
Presenters:

- Md. Abdullah Al-Mamun
Director (Planning and Development)
Department of Disaster Management
- Mohammad Nazmul Abedin
Joint Secretary, Planning
Ministry disaster Management and Relief



Overview of Disasters in Bangladesh

- Located at fragile deltaic flood
- High-risk country to recurrent natural disasters
- More than 300 rivers (57 Trans boundary rivers)
- Flood plains: 80% of total areas



- **Flood/ Flash flood**
- **Cyclone**
- **Landslides**
- **Thunderstorm**
- **River Erosion**
- **Fire**
- **Earthquake**
- **Drought**
- **Storm surge**
- **Tornado**

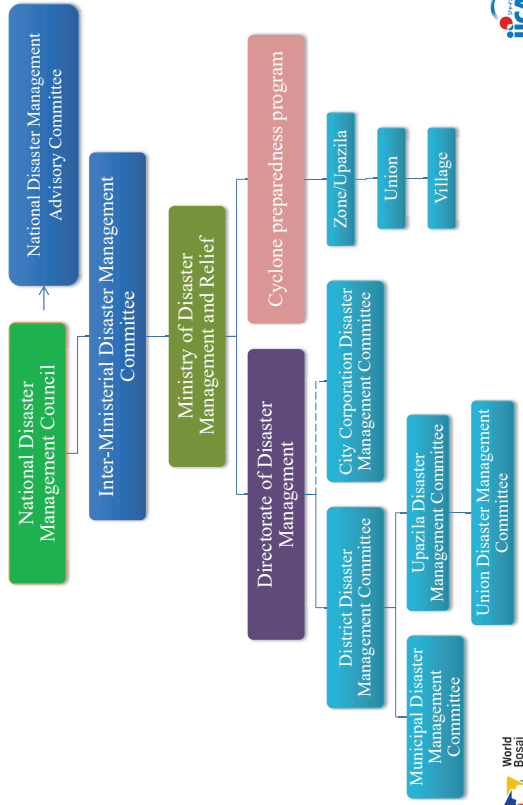


Outline of the Presentation

- Overview of Disasters in Bangladesh
- Impact of Disasters
- Mitigation measures
- Investment Scenario in Disaster Risk Reduction in Bangladesh
- Implementation status of Formulation of LDRRAP Project
- With the support of JICA in Bangladesh
- Challenges of Investment in Disaster Risk Reduction (DRR)
- Way Forward



Organizational Structure of Bangladesh Disaster Management

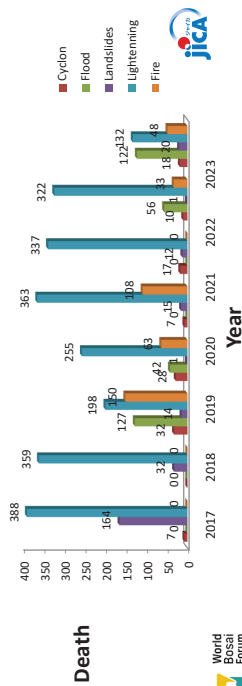




Impact of Disasters in Bangladesh

Hazards/Disasters						
Year	Cyclon	Flood	Landslides	Lightningning	Fire	
2017	7	0	164	388	0	
2018	0	0	32	359	0	
2019	32	127	14	198	150	
2020	28	42	1	255	63	
2021	7	0	15	363	108	
2022	17	0	12	337	0	
2023	10	56	1	322	33	
2024	18	122	20	132	48	

Source: Department of Disaster management (DDM)



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Impact of Disasters

Major Hazards

- Flood
- Tropical Cyclone
- Storm Surge
- Tornado
- River Bank Erosion
- Drought
- Earthquake

Major Disasters

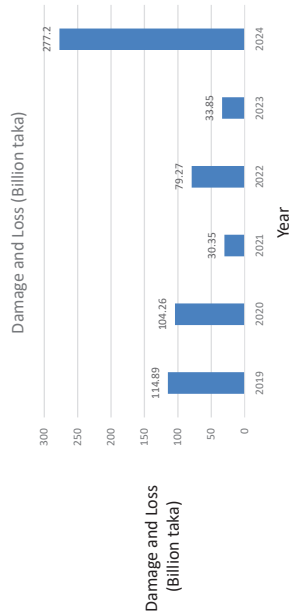
Year	Disaster	Death
1970	Cyclone	300,000
1988	Flood	2373
1988	Cyclone	5704
1989	Drought	800
1991	Cyclone	138,868
1996	Tornado	545
1997	Cyclone	550
1998	Flood	1050
2004	Flood	747
2007	Flood	1071
2007	Cyclone SIDR	3406
2009	Cyclone AILA	190
2013	Cyclone Mohasena	17



Impact of Disasters in Bangladesh

Year	Damage and Loss (Billion taka)
2019	114.89
2020	104.26
2021	30.35
2022	79.27
2023	33.85
2024	277.20

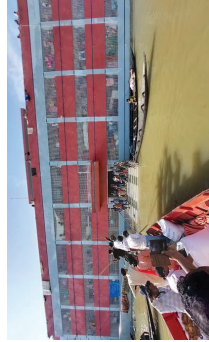
Source: Department of Disaster management (DDM)



Mitigation Measures in Bangladesh

Structural mitigation measures for disaster risk reduction, particularly floods and cyclones-

- Construction of Sea and Riverbank protection embankments
- Construction of DRR infrastructure - Flood shelter, NISTER Center, Cyclone shelters, Bridge/ Culvert, Herringbone Bond (HBB) Road
- Engineering constructions like river training and coastal embankments
- Supply of Search and Rescue Equipment's
- Construction of Disaster Resilient House, etc.



Flood shelter



Cyclone shelter





Mitigation Measures in Bangladesh

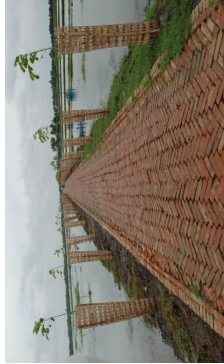
Structural mitigation measures for disaster risk reduction



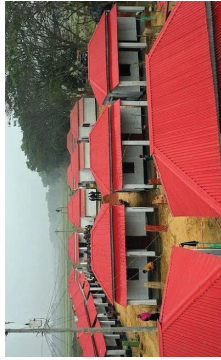
NISTER Center



Bridge/ Culvert



Herringbone Bond (HBB) Road

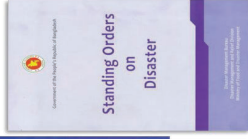


Disaster Resilient House



Key Non-Structural Mitigation Measures in Bangladesh:

- Act, Policy and Plan
- Public Awareness and Training
- Early Warning
- Local Disaster Risk Reduction Action Plans
- Contingency Plan
- IVR- Interactive Voice Response
- EOC-Emergency Operation Centre



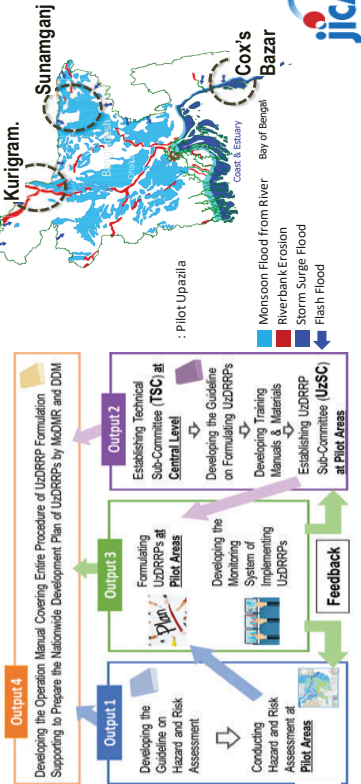
Implementation status of LDRRAP Project With the support of JICA in Bangladesh

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

Project Area : **06 (Six) Upazilas (Sub districts) under three districts out of 64 districts in Bangladesh**

Project Purpose: The mechanism is established for DDM to develop, implement and expand UzDRRAPs in collaboration with MoDMR, related agencies and local governments

Project Output



Approach for Implementation of DRR

Subject	Approach	Examples
Incorporation to existing development plans of implementing agencies	Facilitate the adoption of priority countermeasures listed in the UzDRRAPs into the existing projects.	- Cyclone/Flood Shelter/ Project by DDM - Road and bridge projects by LGED/DDM
Implementation by ADP (Annual Development Program)	Implement priority countermeasures listed in the UzDRRAPs alignment with allocation of ADP	- Hearing Bone Bond Road by DDM - Rehabilitation of Polder 66/2 by BWDB
Obtaining development funds	Formulate DPP on priority countermeasures listed in the UzDRRAPs, obtain budget and implement project	Development Project Proposal (DPP) submitted for shelter, sluice gate and bridge projects

1. Implementation status of the proposed countermeasures

- Some priority listed countermeasures included in the development projects and some of them are in the waiting list of the concern implementing agencies.

2. Horizontal expansion of the UzDRRAPs

- As a part of horizontal expansion of UzDRRAPs, DDM already Formulated PDPP covering more 100 Upazilas (sub-district) and submitted to ERD/ Ministry of Planning for next course of actions.

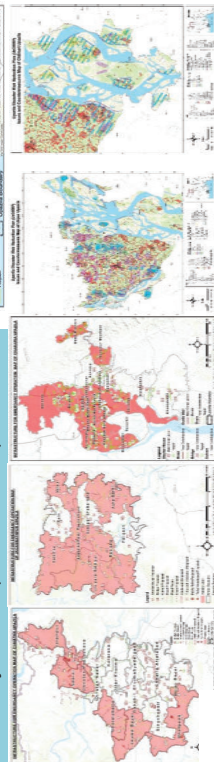




Suggested countermeasures at UzDRRAP and Implementation status

Name of Implementing Agency	Ongoing and Completed Countermeasures from Approved UzDRRAP	Countermeasure selected for new DPP and PDPP from Approved UzDRRAP
DDM	07 Nos	03 Nos
BWDB	32 Nos	23 Nos
LGED	48 Nos	172 Nos

Pilot Project Area (6 Sub-districts)



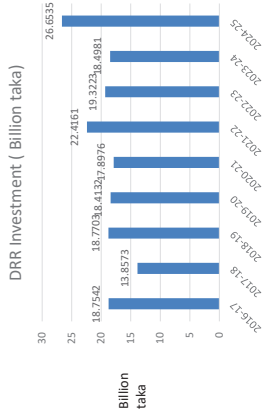
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Investment scenario of DRR By Ministry of Disaster Management and Relief (MoDMR)

Bangladesh, being a disaster prone country affected by severe natural hazards like flood, cyclone, drought, has been undertaking disaster risk reduction initiatives from past few decades. A large amount of investment was made with assistance from development partners World Bank, JICA, ADB, EU and others.

Financial Year	DRR Investment (Billion taka)
2015-16	18.8432
2016-17	18.7542
2017-18	13.8573
2018-19	18.7703
2019-20	18.4132
2020-21	17.8976
2021-22	22.4161
2022-23	19.3223
2023-24	18.4981
2024-25	26.6535



Challenges of Investment in Disaster Risk Reduction (DRR) in Bangladesh

Investing in disaster risk reduction (DRR) faces various challenges in Bangladesh. The major challenges are-

- Budget constraint / Lack of funding
- Lack of Rural and Urban level disaster risk reduction action plan (DRRAP)
- Absence of initiative for mainstreaming disaster risk reduction across agencies/ Sectors/ departments
- Policy and governance- A lack of clear policy and Governance can affect how DRR is funded
- Lack of coordination among agencies and among the government departments regarding DRR investment
- Lack of Institutional Capacity on DRR investment
- Pattern of natural disasters and their frequency and intensity has changed many folds due to climate change



Way Forward

- Increase DRR Investment for constructing DRR infrastructure and non-Infrastructural intervention in ADP (Annual Development Program)
- Formulate Rural and Urban Level Disaster Risk Reduction Action Plan (DRRAP) across the country
- Mainstreaming disaster risk reduction across agencies/ sectors/ departments
- Formulate clear policy for DRR funding and investment
- Enhancing coordination, Communication and Collaboration among agencies and among the government departments regarding DRR
- Strengthening Institutional Capacity for implementation of DRR investment project
- National, Regional and International cooperation is needed for implementation of Climate Change Adaptation Plan



THANK YOU ALL

