

Development of Local Flood Early Warning and Dissemination System

PROVATi3 Project-DDM Component

February 2024

Monthly Report

Regional Integrated Multi-Hazard Early Warning System (RIMES)

Section A

Progress Summary

- Monthly Progress sharing meeting with DDM
- Training on Flood Early Warning and Risk Management at Ulipur
- DMC portal training for Ulipur and Chilmari upazila
- Land gauge installation
- Flood shelter data collection in three districts
- Vulnerability map Update
- FPP Volunteer list collection
- Kiosk dashboard development
- Ongoing topographic survey at Jamalpur

Section B

Activity I. Monthly Progress Sharing meeting of PROVATi3 Project - DDM Component

Progress

A progress sharing meeting was held at DDM on 14th February, 2024 with DDM and RIMES professionals. The meeting took place to identify and discuss project progress and the issues, emerged as challenges in various activities of “Development of Local Flood Early Warning and Dissemination System”. Netai Chandra Dey Sarker, Director (MIM) and Project Coordinator of PROVATi3- DDM component chaired the meeting. DPC (GIS and ICT), Team leader, program manager, and other RIMES personnel joined the meeting. In the meeting, the GIS Specialist discussed the progress of previous month, and then different activities of project such as Vulnerability map preparation, installation of land gauge, IEC material printing, flood shelter data collection, FPP volunteer list collection, training on DMC portal, ongoing topographic survey, Kiosk Dashboard etc. were discussed in detail. Upcoming activities that need to be accomplished by the next month were also discussed in the meeting.



Activity 2. Training on DMC portal for Ulipur and Chilmari, Kurigram

Progress

A Disaster Management Committee database was developed under this project with the technical support of RIMES containing the information (Name, phone no, designation, affiliation and email) of all level DMC members. Now, it contains all the DMC members' information of the project area which will be updated with the 64 district DMC member information. As this DMC committee reforms every year, it is important to update them from the root level or by respective DMC member. For this reason, representatives of each DMC members need to be trained on how to search for DMC members list; update, edit or delete information, upload DMC meeting resolution or additional things of the portal. Two (02) training sessions held at TTC Kurigram for Ulipur and Chilmari upazila on 22 February, 2024. These training programs were chaired by Netai Chandra Dey Sarkar, Director (MIM) and Project Coordinator of the PROVATI³ project-DDM component. Mobinur Rahman, ICT specialist demonstrated the portal use. Participants of the training included UP secretary of respective unions, their office assistants, PIOs of respective upazilas and their secretaries, and UDC entrepreneurs.



Activity 3. Training on Flood Early Warning and Risk Management at Ulipur upazila, Kurigram

Progress

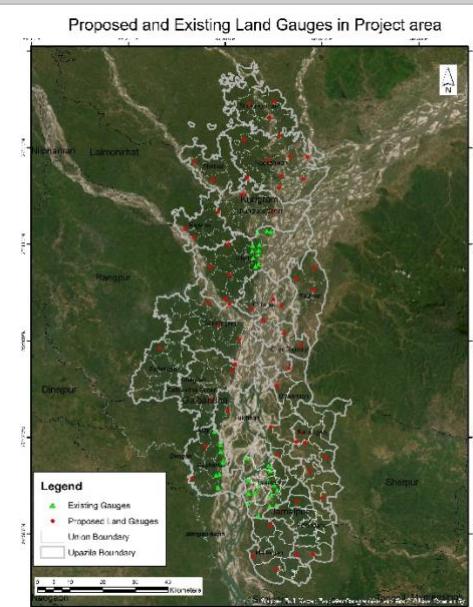
A training on Flood Early Warning and Risk Management was held in Ulipur upazila of Kurigram district on 22 February, 2024. Honourable Director General of DDM, MD. Mijanur Rahman was the chief guest of the training and inaugurated the training session via online platform. The program was chaired by Netai Chandra Dey Sarker, Director (MIM) and Project Coordinator of PROVATi³ project-DDM part. The training sessions were continued with upazila-level DMC members as participants including AC(Land), PIO, UP chairman and other members of union and upazila level DMC. DDM, BWDB and RIMES representatives facilitated the training workshop as trainers in different sessions. DMC members were trained up on basic disaster terminologies, flood forecasting system, early warning and their roles and responsibilities during disaster.



Activity 4. Land gauge installation

Progress

There is a provision of installation of 60 inundation gauges in the project area. As per their recommendation, these draft gauge points have been reviewed in terms of recent flood intensity maps developed by LGED. Based on the last recommendation these locations have been finally selected. The locations are now finally approved by the project implementation unit. The gauge installation process will be started soon as per RIMES provision.



Activity 5. Flood shelter data collection in three districts

Progress

DDM has provided a list of existing flood shelters in the project area. The field facilitators of three districts have been provided with an online data collection format to gather required information which is constantly being monitored. Once the data collection is completed, they will be plotted in GIS maps. Flood shelter data

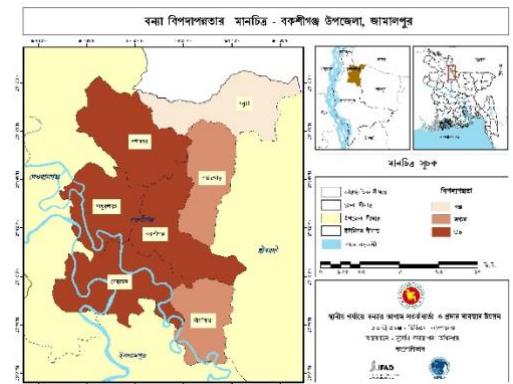
List of Flood Shelters prepared to deal with recent flood of Jamalpur district.										
Sr.	Name of Upazila	Name of Union	Name of Flood Shelter	Latitude	Longitude	Capacity of Man/Cattle	No. of Floor/Story	Nearest River	Photo	Remarks
1	Jamalpur Sadar		Flood Shelter at Roohim Pargana Jhamim Madrasa Field	25.076728	89.757137	100	80	1		About 01 km to the west lies the Brahmaputra River. Renovating work on 2021 but no work.
2			Panchbari Ghat, Primary School used as flood shelter	25.054208	89.774892	50	25	1		About 05 km to the west lies the Brahmaputra River.
3			Chinabali S.N. High School used as flood shelter	25.054546	89.742091	400	200	2		About 0.5 km to the west lies the Brahmaputra River.
4			Dukhoni Chinabali Madrasa used as flood shelter	25.047908	89.733815	50	25	1		About 0.5 km to the west lies the Brahmaputra River.
5			Chinabali Fazil Madrasa used as flood shelter	25.051201	89.741609	100	50	1		About 0.75 km to the west lies the Brahmaputra River.
6	Chirindia		Uttarhati Ghat, Primary School used as flood shelter	25.084132	89.715637	90	45	2.5 & 1		About 0.7 km to the west lies the Brahmaputra River.
7			Balgachha High School at Jorhati used as flood shelter	25.101197	89.734927	250	125	3 & 1		About 01 km to the west lies the Brahmaputra River.
8			Balgachha Secondary School at Mla Para used as flood shelter	25.102818	89.720858	60	30	3 & 1		About 0.3 km to the west lies the Brahmaputra River.
9	Kulisedi		Mahadev Govt. A.I.B.S High School used as flood shelter	25.106471	89.724101	200	100	2		About 2.5 km to the north lies the Brahmaputra River.
10			Kulisedi Hedyma Alim Madrasa used as flood shelter	25.123364	89.718385	150	75	2 & 1		About .71 km to the north lies the Brahmaputra River.

collection is completed in Jamalpur and Gaibandha districts. Currently data collection is in progress within Kurigram district.

Activity 6. Vulnerability map Update

Progress

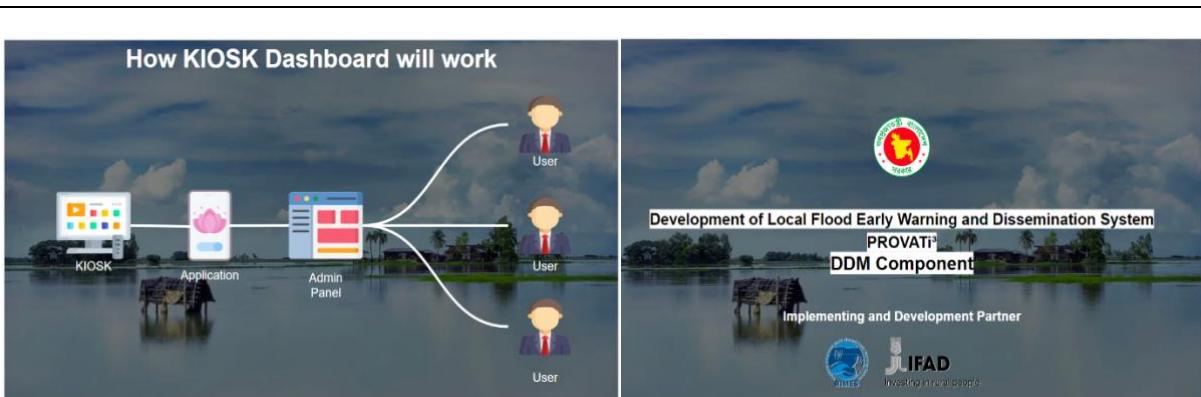
Based on secondary data sources vulnerability calculation has been performed. Draft vulnerability maps have been prepared for upazila level for Gaibandha and Jamalpur districts. Necessary changes and updates have been made based on the comments received in the last meeting. After completion of map generation these maps shall be sent to upazilas of project area.



Activity 7. Kiosk dashboard Update

Progress

The last changes in Kiosk Dashboard are presented in the monthly progress meeting. Dashboard homepage, existing text alignment, logo placement, flood map format, automatic update of messages etc. are discussed and some suggestions are received. According to the comments received on the last meeting, admin panel of kiosk dashboard has been updated and other changes will be made as per recommendation.



Activity 9. FPP Volunteer list collection

Progress



Following the meeting on development of Flood Preparedness Program (FPP) volunteer for the flood prone areas of Bangladesh, volunteer lists have been collected from the NGO representatives of Friendship, NRP CARE, SKS Foundation, Eco Social Development Organization (ESDO), Islamic Relief Bangladesh (IRB), NDP, PARI Development Trust, Unnayan Sangha (US), RDRS Bangladesh. A technical working group of five members has already been formed including convener, members and member secretary to develop a concept note. Upon receiving soft copy of volunteer list from NGOs, a combined list is being prepared for the project area.

Activity 10. Topographic survey at Jamalpur

Progress

Through topographic survey, digital elevation model data is being collected in the flood vulnerable areas along the Brahmaputra-Jamuna. Recently data collection has been completed in Jamalpur District and initial setup for data collection in Rowmari and Char Rajibpur upazila has been completed. Till February 2024, 812 square km DEM data have been collected. Currently data collection is in progress in Kurigram District.



Section C

Challenges & Overcome Strategy

- Topographic survey need to be completed during 2024 to develop forecast based inundation mapping.

Section D

Work plan for March 2024

- Conducting of training on flood early warning and risk management for DMCs in project area
- DMC portal training continuation
- Land gauge installation
- Continuation of Topographic survey
- Meeting on FPP
- National level training on flood early warning and risk management.