

Development of Local Flood Early Warning and Dissemination System

PROVATi3 Project-DDM Component

April 2024

Monthly Report

Regional Integrated Multi-Hazard Early Warning System (RIMES)

Section A

Progress Summary

- Training on DMC portal management
- Training on Flood Early Warning and Risk Management
- Land Gauge installation
- Flood Shelter Data Review
- Vulnerability map Update
- TV/Display Board Installation for KIOSK Dashboard
- Volunteer Pool Development and Capacity Building Training
- Ongoing Topography Survey

Section B

Activity I. Training on DMC portal management

(a). Gaibandha

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 can be updated with the 64 district DMC member information if needed in future. 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 were held at TTC Gaibandha for Palashbari and Gobindaganj upazila on 22 April 2024. Both training programs were chaired by Netai Chandra Dey Sarkar, Director (MIM) and Project Coordinator of the PROVATi³ project-DDM component. Md. Mobinur Rahman, ICT specialist demonstrated the portal use. Participants of the training were UP secretary of respective unions, their office assistants, PIOs of respective upazilas and their secretaries, and UDC entrepreneurs.

(b) Kurigram

Progress

One (01) training sessions were held for Phulbari upazila on 21 April, 2024 at Terre Des Hommes (TDH), Sadar hospital road, Kurigram. These 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 were UP secretary of respective unions, their office assistants, PIOs of respective upazilas and their secretaries, and UDC entrepreneurs. A total of 14 trainings have been completed, and 9 DMC portal trainings remain to be done.

Activity 2. Training on Flood Early Warning and Risk Management at Kurigram

Progres

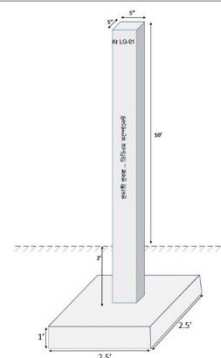
One batch training held at Chilmari upazila of Kurigram district on April 21, 2024. Honourable Director General of DDM Md. Mijanur Rahman was the chief guest of the training and inaugurated the training session via online platform. The program was chaired by Netai Chandra Dey Sarker, Director (MIM) and 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 of respective upazilas 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. A total of 15 trainings have been completed, and 4 Early warning and risk management trainings remain to be done.



Activity 3. Land Gauge Installation

Progress

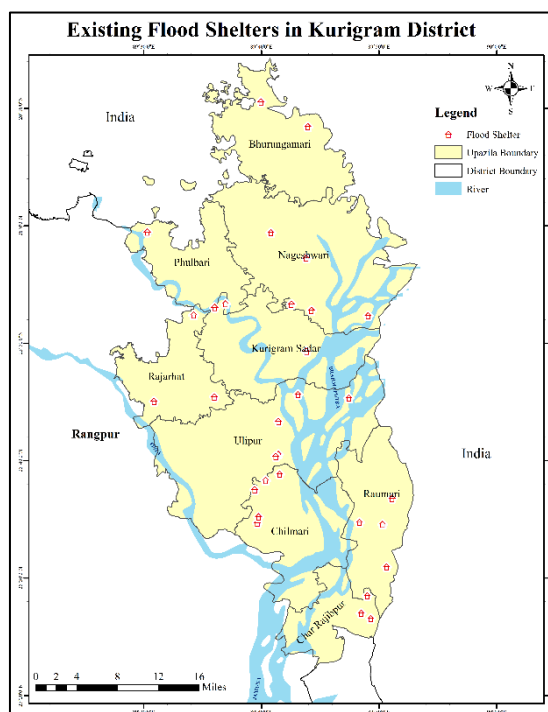
There is a provision of installation of 60 inundation gauges in the project area. Based on the latest recommendation from Technical Advisory Committee, these locations have been finally selected. After the selection of the locations, the design and specification for the land gauge have already been updated and sent to the field facilitators. Three local vendors have been selected in three districts. They have inspected the site and are preparing to promptly install land gauges at the designated locations as soon as possible.



Activity 4. Flood Shelter Data Review

Progress

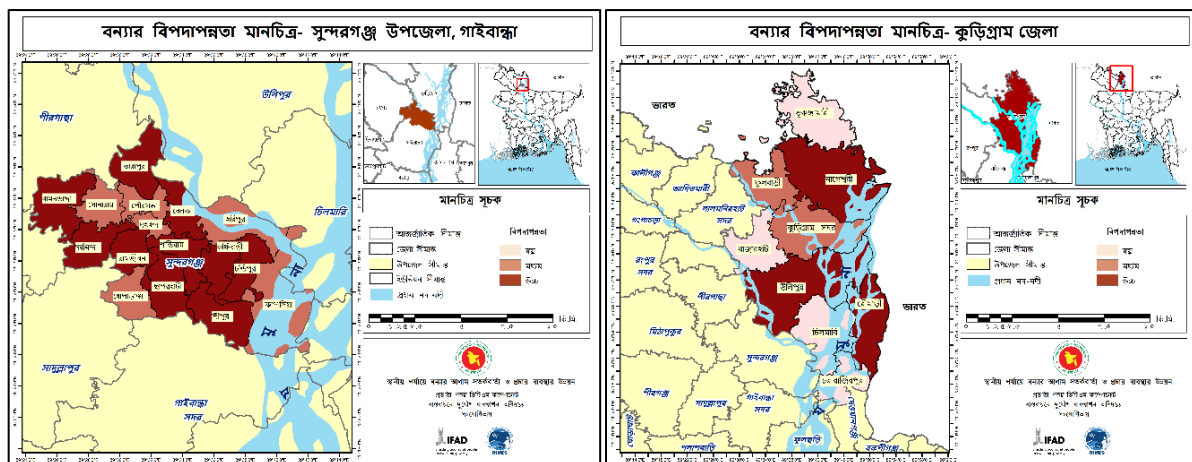
As per directives from the Director General of DDM in the last quarterly meeting, flood shelter location identification has started. Field facilitators has collected a list of existing flood shelters from PIO officers in the project area to create a spatial flood shelter map with GPS coordinate. The field facilitators of three districts have been provided with an online data collection format to gather required information. Coordinate data (Latitude and Longitude) of flood shelters from these three districts has already been collected, and three maps have been created based on this data for each district.



Activity 5. Vulnerability map Update

Progress

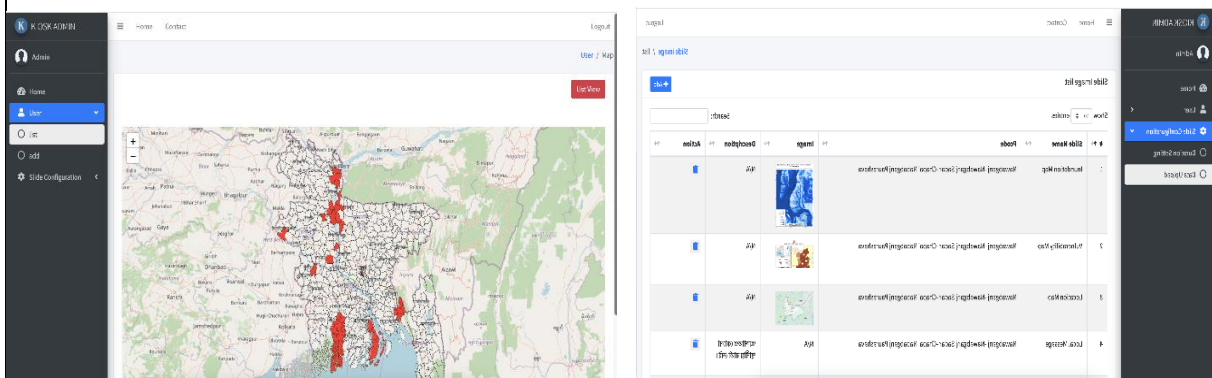
Based on secondary data sources vulnerability calculation has been performed. Vulnerability maps have been prepared for union level and upazila level for Gaibandha, Jamalpur and Kurigram districts. According to the comments received on monthly meeting text and logo of vulnerability maps have been updated. After final approval these maps will be sent to project area.



Activity 6. TV/Display Board Installation for KIOSK Dashboard

Progress

KIOSK dashboard has been developing to display flood early warning messages through digital display boards in 19 upazilas. The app has been updated based on feedback that received on last quarterly meeting. Procurement for purchasing TV/Display boards to install KIOSK in 19 upazilas is currently underway.



Activity 07. Volunteer Pool Development and Capacity Building Training

Progress

Volunteer lists have been collected from the various NGO representatives, i.e. Friendship, CARE, SKS Foundation, ESDO, Islamic Relief Bangladesh (IRB), NDP, PARI Development Trust, Unnayan Sangha (US), RDRS Bangladesh. A Total of 6602 volunteer's data have been found. This data base could provide a well dissemination medium for flood EW.

By May, LCS members of LGED should be included to the FPP volunteer list. The session plan and training materials to train these volunteers are already prepared. After finalization of volunteer list volunteer capacity-building training will be started as soon as possible.

বন্যা আগাম সতর্কবার্তা প্রচারের মাধ্যম	কেন স্বেচ্ছাসেবক হবেন?
<div data-bbox="268 761 418 873"></div> <p data-bbox="300 878 386 900">পৃষ্ঠীভাঙ্গ ভাঙতে হবে</p> <div data-bbox="533 761 676 873"></div> <p data-bbox="577 878 647 900">পৃষ্ঠীভাঙ্গ শূন্যে হবে</p> <div data-bbox="268 904 418 994"></div> <p data-bbox="322 999 363 1021">তুচ্ছ হবে</p> <div data-bbox="533 904 676 994"></div> <p data-bbox="545 999 679 1021">বিশ্বাস রাখতে হবে এবং সাড়া দিতে হবে</p>	<ul style="list-style-type: none">➤ সমাজ ও মানুষের প্রতি দায়িত্ববোধ।➤ সমাজ, মানুষ ও পরিবেশের গুরুত্বপূর্ণ উন্নয়ন সাধন করতে পারেন।➤ মানুষের শ্রদ্ধা ও ভালোবাসা অর্জন।

Activity 8. Ongoing Topographic Survey

Progress

Through a topographic survey, digital elevation model data is being collected in the vulnerable areas along the Brahmaputra-Jamuna river system. Earlier data collection has been completed in Gaibandha. Recently, a second drone was added to the project for topographic surveying. Both drones are working simultaneously in Dewanganj upazila of Jamalpur District, and Char Rajibpur upazila of Kurigram district. Till April 2024, 973.46 sqkm area has been surveyed through LiDAR drone. Data processing of these area is going on so that DEM data can be used to generate flood inundation mapping from this monsoon.



Section C

Challenges & Overcome Strategy

- Land gauge need to be installed before this monsoon
- Topography survey need to be completed before June because monsoon may cause error in DEM data.

Section D

Work plan for May Month

- Continuation of topography survey
- Conducting of training on flood early warning and risk management for DMCs at Kurigram
- Conducting DMC portal training
- Drone survey demonstration program
- Land Gauge Installation
- Meeting with BTCL company on server issue for voice message portal development

Section E

Budgetary Reflection

N/A