

## Development of Local Flood Early Warning and Dissemination System

### PROVATi3 Project-DDM Component

January 2023

#### Monthly Report

Regional Integrated Multi-Hazard Early Warning System (RIMES)

#### Section A

##### Progress Summary

- Quarterly Progress (October-December) Sharing Meeting of PROVATi3 Project-DDM Component
- Training material preparation
- DMC members training at Rowmari upazila, Kurigram
- Danger-level consultation at Char-Rajibpur, Kurigram
- DMC database development and update
- Finalization of the most vulnerable unions of project area

#### Section B

##### Activity I. Quarterly Progress (October-December) Sharing Meeting of PROVATi3 Project-DDM Component

##### Progress

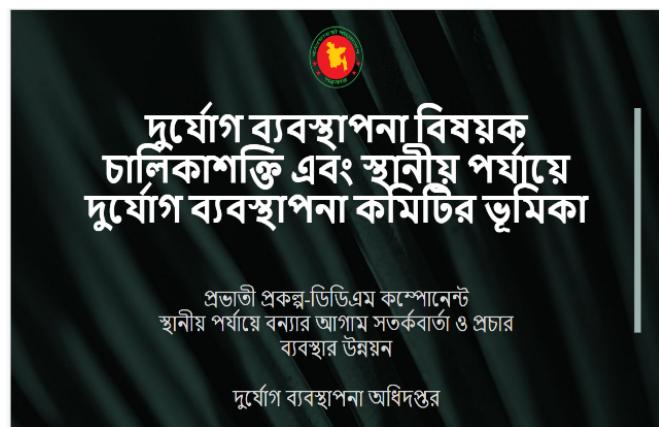
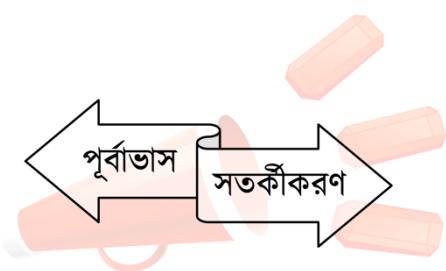
Quarterly progress sharing meeting was held at DDM on 19 January 2023 with DDM, LGED, and RIMES professionals. The meeting took place to identify and discuss project progress and the issues, emerged as challenges in various activities of “Development of Local Flood Early Warning and Dissemination System” during the last 3 months (October, November and December). Md. Mizanur Rahman, Director General of DDM chaired the meeting. Netai Chandra Dey Sarker, Director (MIM) and Project Coordinator of PROVATi3 Project-DDM component, DPC (ICT/ GIS & RM), Team leader, Program Manager, LGED representative and other RIMES personnel joined the meeting. In the meeting, program manager discussed the activities of previous months, and then different project related issues such DMC database update, DMC members training, preparation for annual progress sharing workshop and drone survey inauguration program, river gauge installation etc were discussed in detail. Future activities that need to be accomplished by the next quarter were also discussed in the meeting.



## Activity 2. Training material preparation

### Progress

Preparation of knowledge material for training the disaster management committee under PROVATi3 project is ongoing. The draft training module is prepared in Bangla to make it easily understandable to the trainees. This module incorporates basic terminologies and ideas on hazard and disaster, climate, early warning systems, early warning generation process, sources of early warning information, and early actions based on forecasts. Based on topics in module presentations are developed to train up DMC members of Rowmari upazila. Notebook, pen and folder are also prepared for upcoming training programs.



### Activity 3. DMC members training at Rowmari upazila, Kurigram

#### Progress

As per project activity plan, first DMC members training has been held in 31<sup>st</sup> January 2023 at Rowmari upazila under Kurigram district. The program was chaired by Netai Chandra Dey Sarkar, Director (MIM) and Project coordinator of PROVATi<sup>3</sup> project-DDM part. Honourable DG MD. Mizanur Rahman inaugurated the training session via online platform. The training session has total DMC members as participants including UNO, DRRO, UP chairman of Rowmari upazila. DDM, BWDB and RIMES representatives serve there as trainers in different sessions. DMC members are trained up on basic disaster terminologies, flood early warning and their roles and responsibilities during disasters.



### Activity 4. Danger level consultation at Char-Rajibpur, Kurigram

#### Progress

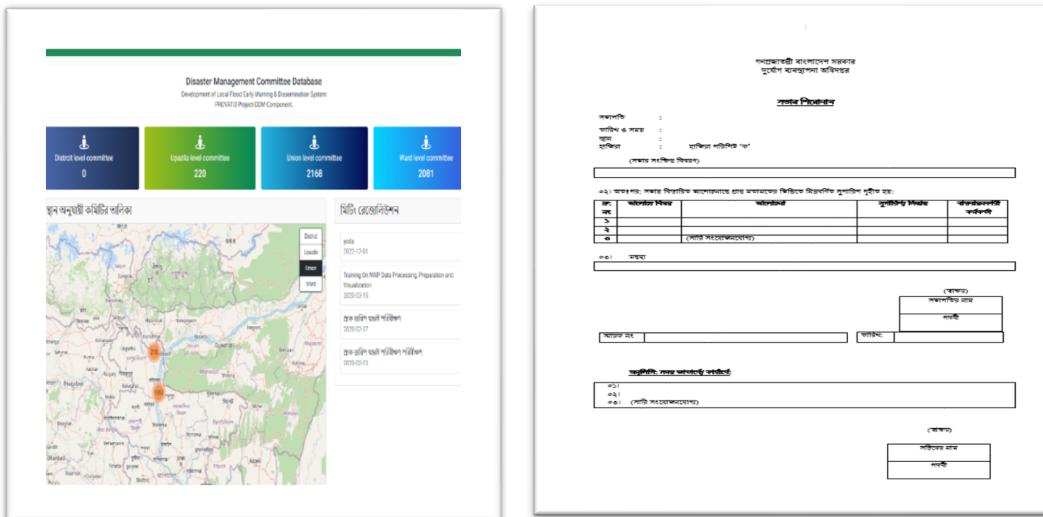
Danger level consultation was held in Char Rajibpur on 31<sup>st</sup> January 2023. Netai Chandra Dey Sarker, Director (MIM) & Project Coordinator, Provati3 Project-DDM Component, chaired the meeting. Upazila chairman of Char Rajibpur was the chief guest of that program; and DRRO, Char-Rajibpur and Sub-division engineer of BWDB attended the meeting as special guests. DPC of the project, BWDB representatives, LGED representatives and RIMES personnel were also participated the meeting. Participants proposed few locations for gauge installation such as Fulerchar, Doi Khawa, Banglabazar, Dantvanga, Kodalkanthi, Jadur Char and Barbandha.



## Activity 5. DMC data collection and database update

## Progress

Framework for the DMC database has already been developed. During January, all Paurashava DMC data of Jamalpur, Gaibandha and Kurigram districts have been collected except Palashbari paurashava under Gaibandha district. Among them, few DMC data have already been uploaded to the database and the rest of the collected data are being processed as per requirement. Draft DMC data reporting format and meeting resolution format have also been developed.



#### Activity 6. Finalization of most vulnerable unions of the project area

## Progress

According to the scores provided by PIOs and UP secretaries, 61 most vulnerable unions from 3 districts have been selected. Out of total 79 unions, 28 unions from Kurigram, 18 unions from Jamalpur and 15 unions from Gaibandha district have been selected as the most vulnerable. These selected unions are validated by the UNOs of each upazila in the project area. And finally, these validated union lists are finalized by the DCs of respective districts.

ক্রমিক নং			উপজেলা নাম	ইউনিয়নের নাম	স্বত্ত্বা
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০২			চিরাপুর		
০৩			মুরগাপাড়া		
০৪			সুলতানপুর	সুলতানপুর	বেশি দূরোহিত প্রদর্শ ইউনিয়ন
০৫			বুরুজুর		
০৬			বালুচুর		
০৭			বালুচুর		
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## Activity 7. Topography survey in the project area

### Progress

To collect DEM data for the project area, topographic survey through LiDAR drone has been started in Gaibandha District from December. Currently drone survey is ongoing in Char areas of Fulchhari upazila. Adjacent char areas of Uriya, Fazlupur and Gazaria union were surveyed. The survey has been completed in most parts of these unions. Sample data processing is ongoing for Digital Elevation Model (DEM) generation to check the quality of surveyed data.



### Section C

#### Challenges & Overcome Strategy

- As all Paurashava DMC has not been developed yet, it was hard to collect all data by January 2023. Continuous follow up is required to accomplish this activity as soon as possible.
- Though it is planned to run drone survey parallel in two districts, two sensor is not available right now. It is proposed to procure/ rent another LiDAR sensor to conduct the survey as soon as possible.

### Section D

#### Work plan for February Month

- Continuation of topography survey
- Arrangement of annual progress-sharing workshops
- Conducting of training on flood early warning and risk management for DMCs at Gaibandha and Kurigram
- Completion of DMC database portal development
- Drone survey inauguration program
- Local level discussion for suitable location for inundation gauge establishment

Section E

**Budgetary Reflection**

N/A