

## Development of Local Flood Early Warning and Dissemination System

### PROVATi3 Project-DDM Component

February 2023

#### Monthly Report

Regional Integrated Multi-Hazard Early Warning System (RIMES)

#### Section A

##### Progress Summary

- Monthly Progress Sharing Meeting of PROVATi3 Project-DDM Component
- Training material preparation and update
- DMC database development and update
- Topographic survey in Project area
- Map preparation of vulnerable unions

#### Section B

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

##### Progress

A progress sharing meeting was held at DDM on 8 February 2023 between 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 (ICT), Team leader, program manager, and other RIMES personnel joined the meeting. In the meeting, the program manager discussed the activities of previous month, and then different project related issues such as the latest updates on DMC database, DMC member training and danger level consultation at Gaibandha, topographic

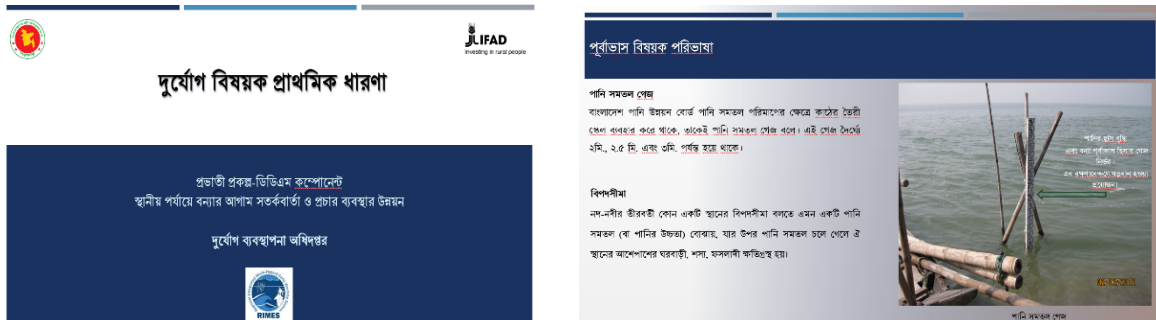


survey, annual progress sharing workshop are discussed in detail. Upcoming activities that need to be accomplished by the next month were also discussed in the meeting.

## Activity 2. Training and knowledge material preparation and update

### Progress

Based on training module developed earlier, training contents were prepared and updated for DMC members training. The training contents include basic ideas on disaster, hazard, risk, exposure, and vulnerability, thinterconnectionion, components of disaster management, flood early warning system with its generation and dissemination process, roles and responsibility of local level DMC members.

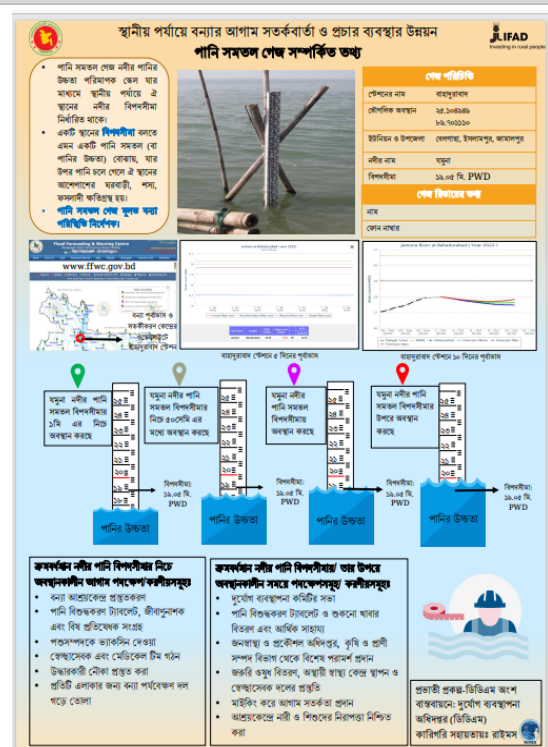


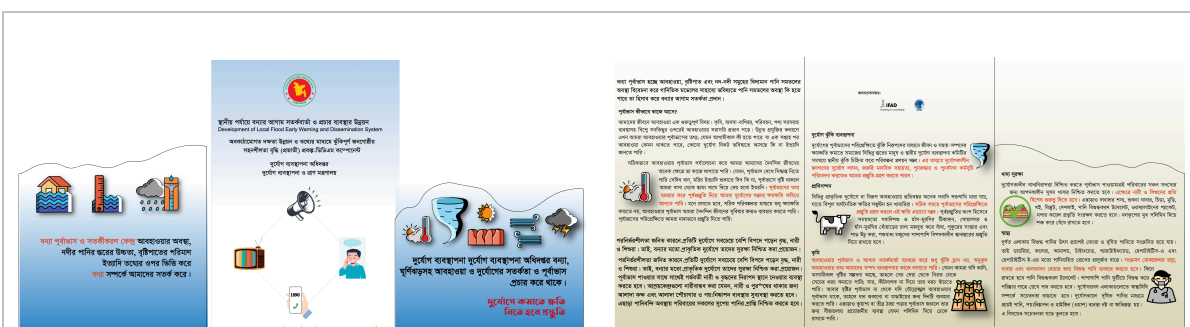
## Activity 3. IEC and awareness material preparation

### Progress

A draft poster on river gauge has also been prepared as knowledge material to educate local people about gauge and its functionality. After final design selection, such poster will be prepared for each river gauge located within the study area and delivered to adjacent upazila and union parishad offices for a particular river gauge station.

A brochure is also being prepared with the basic information focusing on flood early warning and early action regarding food security, safety of vulnerable groups, domestic animal, health, agriculture etc during flood. Beirf information about flood early warning, sectoral impact and action will enhance communitys knowledge and broaden idea.

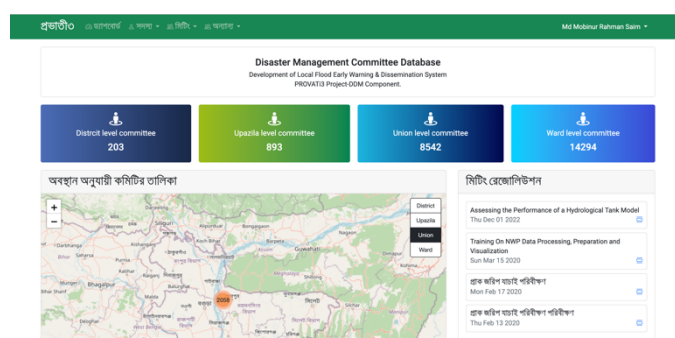
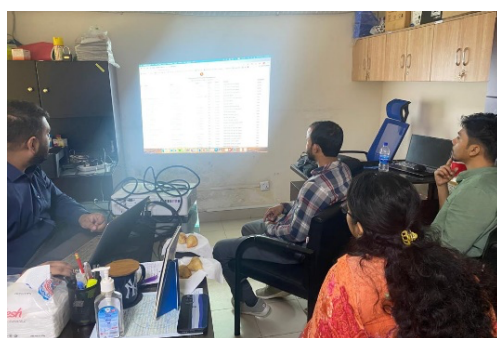




## Activity 4. DMC data collection and database update

### Progress

Framework for the DMC database has already been developed. DMC members' data of all level from Jamalpur, Gaibandha and Kurigram districts have been collected within first half of February 2023. Most of the DMC data have already been uploaded to the database and other reporting format has already been updated in the website. An in-house meeting was held by the RIMES team on the basic operating mechanism of DMC portal.



## Activity 5. Topography survey in the project area

### Progress

To collect DEM data for the project area, topographic survey through LiDAR drone has started in Gaibandha District from December. Ground Control points have been collected for 4 different location of such as Balashi Ghat of Fulchari upazila, and Maddha Taluk under Belka union, Dumaitari under Uttar Dumaitari union and Jigabari of Sundarganj upazila. Sample data processing is ongoing for Digital Elevation Model (DEM) generation to check the quality of surveyed data.

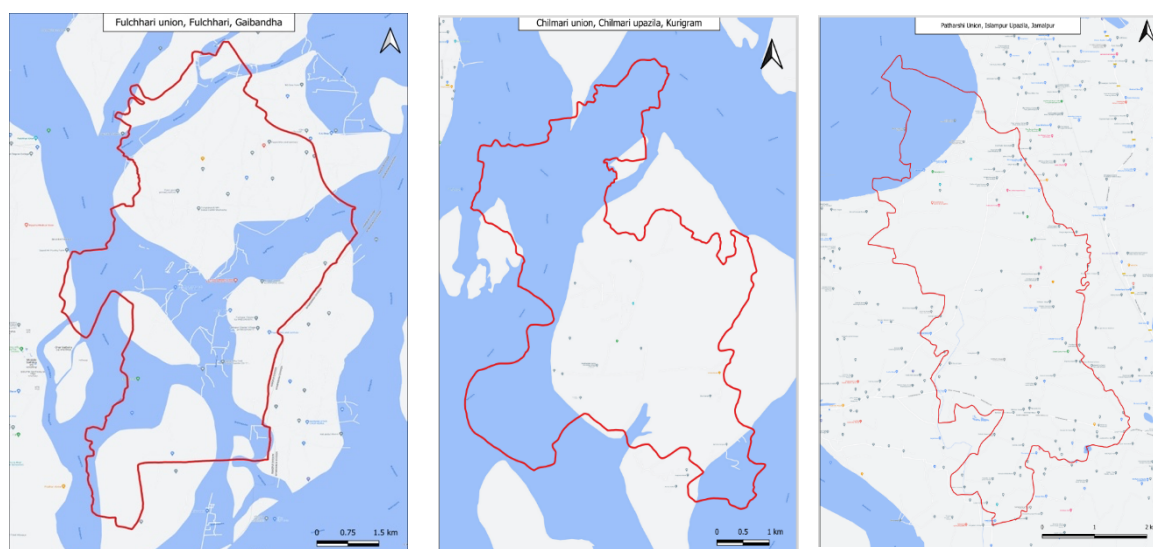
Around these areas 474.94 sqkm has been covered and the survey is continuing currently in Rasulpur union of Sadullahpur upazila.



## Activity 6. Identification of land gauge location

### Progress

Maps have been prepared for total 61 most vulnerable unions which have been finalized earlier. These maps have been generated to collect inputs from local level to identify the spots with discussion and suggestion from UDMC to install land gauges based on low, medium and high elevation of the corresponding unions. Prepared maps have been sent to each districts in hard copy.



## Section C

### Challenges & Overcome Strategy

- 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 March Month 2023

- 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