

Development of Local Flood Early Warning and Dissemination System

PROVATi3 Project-DDM Component

November 2024

Monthly Report

Regional Integrated Multi-Hazard Early Warning System (RIMES)

Section A

Progress Summary

- Training on DMC portal at Jamalpur
- Ongoing Topographic Survey
- Drone Survey Visit at Rajarhat Upazila, Kurigram
- Consultation with Stakeholders at Gaibandha
- Volunteer selection and registration for capacity building training

Section B

Activity I. Training on DMC Portal at Jamalpur

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. Three (03) training sessions were organized in Jamalpur District (covering Islampur, Melandaha, and Dewanganj Upazilas). One training held on 27 November from 14:00-16:00 for the participants of Islampur Upazila at Technical Training Centre, Melandaha, Jamalpur. Additionally, for Melandaha and Dewanganj Upazilas, the sessions will take place on 28 November at the same venue: from 09:30 to 13:00 for Melandaha, and from 13:30 to 16:00 for Dewanganj. These



programs were chaired by Netai Chandra Dey Sarkar, Director (MIM) and Project Coordinator of the PROVATi³ project-DDM component. Participants included PIOs, UP secretaries, UP entrepreneurs, Paurashava secretaries, and Paura Nirbahi Officers (PNOs). The sessions were conducted by ICT Specialist Md. Mobinur Rahman in collaboration with the RIMES team, focusing on practical applications of the portal. The training included demonstrations on how to access data for any level of DMC committees, as well as how to edit, modify, or delete entries. Each PIO and PNO was provided with a unique ID for portal access. Attendees appreciated the development of this important database, recognizing its potential as a valuable tool for disaster management. Out of 23 trainings conducted in 19 upazilas. Only 4 trainings remain to be completed.

Activity 2. Ongoing Topographic Survey

Progress

Through a topographic survey, digital elevation model (DEM) data is being collected in the vulnerable areas along the banks of Brahmaputra-Jamuna river system of the project area. Earlier data collection has been completed in Gaibandha and Jamalpur. Currently Drone team is working simultaneously in Nageshwari upazila and Bhurungamari upazila of Kurigram district. Till November 2024, 1147.66 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 next monsoon.

District	Upazila	Survey Area (sq km)	Status
Gaibandha	5	525	Completed
Jamalpur	4	392.5	Completed
Kurigram	4	230.16	Ongoing
Total accumulated survey area (sq km)		1147.66	

Activity 3. Drone Survey Visit at Rajarhat Upazila, Kurigram

Progress

A field visit was conducted to witness drone survey at Chaina Bazar, Ghorialdanga, Rajarhat Upazilla on 4th November, 2024. Md. Assaduzzaman, Project Implementation Officer, Rajarhat and Md. Liton Mia, Union Prishad Member 7 No Ward, Ghorialdanga Union witnessed the survey and discuss about the importance of collecting topographic data for developing early warning system. Drone survey team demonstrated and explained the whole process of data collection and how the data will be used to be developed inundation mapping. Visitors appreciate the activity of the project and ready to provide any support in this activity.



Activity 4. Consultation with Stakeholders at Gaibandha

Progress

A Stakeholder consultation on Local Inundation Assessment, data collection and Impact of Voice Messages Dissemination held at Gaibandha on 16-17 November. Provati3 – DDM component is ongoing in 5 upazilas of Gaibandha district to improve flood forecasting and enhance resilience of the community. During the meeting arranged at Gaibandha district relief and rehabilitation officer's office, newly appointed project implementation officers have been orientated with the project activities. The officers were informed of the recent developments of the project. Since there is a provision for volunteer trainings in the project, volunteer data

collection in Gaibandha district is ongoing. The project coordinator, Mr Netai Chandra Dey Sarker described the methodology of data collection and validation of volunteer data in project area and requested the PIOs to extend their support during this activity in their upazilas. GIS specialist Mr. Asif Mahmud Anik facilitated a session where he provided orientation on Disaster Management Portal and KIOSK Dashboard developed for the project. Also suggestions and recommendations were received from the participants about volunteer equipment.



Provati3 – DDM component has a provision of installing 60 inundation gauges in the project area. Among them 11 of the gauges have been installed in Gaibandha. Gaibandha Sadar has 3 gauges installed in 3 different unions :Kamarjani, Gidari and Boali. The land gauge at Boali union has been visited by the PIU team. The modality of data collection from the gauge during the monsoon was discussed during the visit.



Activity 05. Volunteer selection and registration for capacity building training

Progress

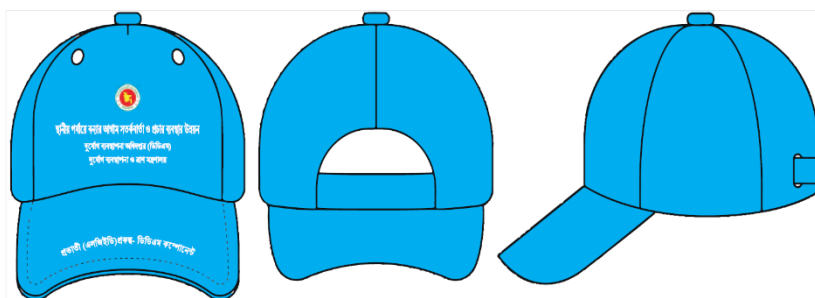
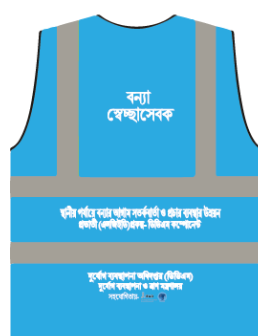
The training plan includes the participation of at least three individuals from each ward within the 61 most vulnerable unions in the project area.

These unions were identified earlier based on vulnerability assessments and local insights. This selection process is being coordinated with local administrative including PIOs, DRROs, union secretaries, and union chairman. A registration form has been developed for volunteer enrolment and

data recording. A total of 1,647 volunteers' data has been collected from the project area so far. After reviewing the design of the volunteer safety equipment (vest and cap), it has been finally approved. Training will commence as soon as the training materials are procured.

Collected Volunteer Data

District	Number of Volunteer	Remark
Jamalpur	486	Completed
Gaibandha	405	Completed
Kurigram	756	Completed
Total	1647	



Section C

Work plan for December 2024

- Continuation of topography survey
- Conducting of training on flood early warning and risk management for DMC members
- Conducting of training on flood early warning and risk management for National-level stakeholders
- Conducting DMC portal training
- Commencement of Volunteer Training
- River Gauge installation
- 3rd Annual report distribution