

Development of Local Flood Early Warning and Dissemination System

PROVATi3 Project-DDM Component

Quarterly Progress Report

January-March 2023

Regional Integrated Multi-Hazard Early Warning System (RIMES)

Section A

Progress Summary

- Quarterly Progress (October-December) sharing meeting of PROVATi3 project
- Preparation and finalization of training materials
- DMC members training at Rowmari, Fulchhari and Saghata upazila
- Danger Level Consultation in Char-Rajibpur, Madarganj, Sundarganj and Gaibandha Sadar upazila
- Topographic survey progress in 3 upazilas in Gaibandha district
- Topographic survey visit at Sundarganj Sadar Upazila by PROVATi3 team
- Finalization of the most vulnerable unions of project area
- Map preparation of the most vulnerable unions
- Preparation of land gauge installation
- Existing gauge validation
- DMC database development and update
- Preparation of annual workshop

Section B

Activity I. Quarterly Progress (October-December) sharing meeting of PROVATi3 project

Progress

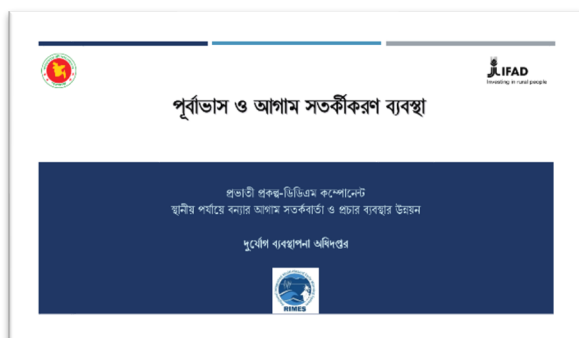
The fourth Quarterly progress sharing meeting was held at DDM on 19 January 2023 with DDM, LGED, and RIMES professionals. The meeting took place to identify and discuss project progress and the issues, emerged as challenges in various activities of “Development of Local Flood Early Warning and Dissemination System” during the last 3 months (October, November and December). Md. Mijanur 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. Besides, monthly progress sharing meetings for the months of January and February were also held in DDM.



Activity 2. Preparation and finalization of training materials

Progress

Preparation of knowledge material for training the disaster management committee under PROVATi3 project has been completed. The training module has been prepared in Bangla to make it easily understandable to the trainees which 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 the topics of the module, presentations have been developed and finalized to train up the upazila DMC members of project area. Draft IEC and awareness material, poster and brochure preparation are completed. Two in-house review meetings were also held in DDM to receive feedbacks from PC, DPCs and Team leader to finalize all the presentations.



Activity 3. DMC members training at Rowmari, Fulchhari and Saghata upazila

Progress

As per project activity plan, DMC members trainings has been held in Rowmari, Fulchhari and Saghata upazila. The programs were chaired by Netai Chandra Dey Sarkar, Director (MIM) and Project coordinator of PROVATi3 project-DDM Component. Honourable DG of Department of Disaster Management MD. Mizanur Rahman inaugurated the training sessions via online. The first batch of training was held on 31st January 2023 at Rowmari upazila in Kurigram. 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. Second and third DMC trainings were arranged on 28th and 29th March 2023 in Fulchhari and Saghata respectively. In these interactive trainings, DMC members have been trained up on basic disaster terminologies, flood early warning and their roles and responsibilities during disasters.



Activity 4. Danger Level Consultation in Char-Rajibpur, Madarganj, Sundarganj and Gaibandha Sadar upazila

Progress

As prerequisite of river gauge installation in PROVAti3 project area four Danger Level Consultations have been held in this quarter. The first consultation meeting was arranged in Char-Rajibpur upazila of Kurigram district on 31st January 2023. Participants of the meeting proposed a few locations for gauge installation such as Fulerchar, Doi Khawa, Banglabazar, Dantvanga, Kodalkanthi, Jadur Char and Barbandha. The second one was jointly arranged with SUFAL II project in Madarganj Upazila of Jamalpur where Jamthol and Balijuri Unions were proposed as suitable location for new water level gauge installation. The most recent consultation meetings were arranged in Sundarganj and Gaibandha Sadar upazila, Gaibandha. For Gaibandha Sadar upazila, the observation stations at riverbank of Kamarjani and Haripur union were proposed to be included as forecast stations upon consultation with the expert panel of BWDB.

Director (MIM) & Project Coordinator, Provati3 Project-DDM Component, chaired the meetings. Upazila chairmen of corresponding upazilas have been the chief guest of the programs; and DRRO,

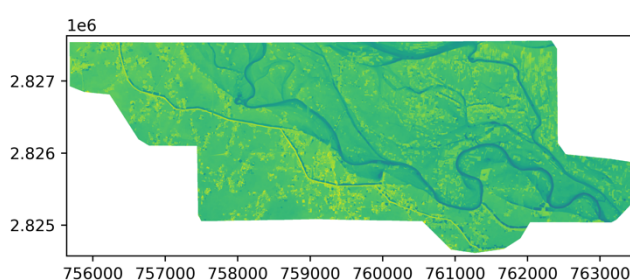
Char-Rajibpur and Sub-division engineer of BWDB attended the meeting as special guests. DPC of the project, BWDB representatives, LGED representatives and RIMES personnel were also participated the meetings.



Activity 5. Topographic Survey in three upazilas Gaibandha district

Progress

To collect DEM data for the project area, topographic survey through LiDAR drone has been ongoing in Gaibandha district. At present vulnerable areas of Saghata and Sadullahpur area has been covered, fulchhari and sundarganj areas are being surveyed. Survey data are being processed for generating DEM.



District	Upazila	Status	Area covered
Gaibandha	Saghata	100%	501.65 sqkm
	Fulchhari	85%	
	Sundarganj	30%	
	Sadullapur	100%	

Activity 6. Topographic survey visit at Sundarganj Sadar Upazila

Progress

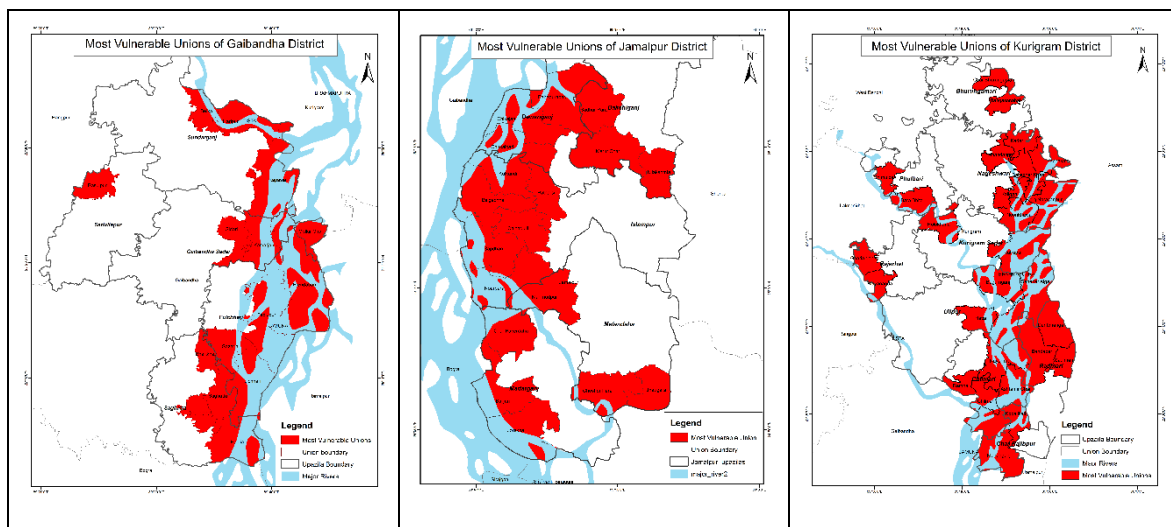
The PROVATi3-DDM component team has visited the ongoing topographic survey at Sundarganj upazila on 28th March 2023 along with LGED representatives. Project Coordinator, Deputy project coordinator, RIMES team met the survey team on the field and had hands on experience of Lidar data collection.



Activity 7. Finalization of the most vulnerable unions of project area

Progress

The previously shortlisted most vulnerable union list has been finalized by the Deputy Commissioners of corresponding districts of PROVATi3. Following the review of PIOs and UNOs, a total 61 most vulnerable unions are now finalized of which 15 from Gaibandha, 18 from Jamalpur and 28 from Kurigram district. GIS maps have already been prepared indicating these most vulnerable unions.



Activity 8. Preparation of land gauge installation

Progress

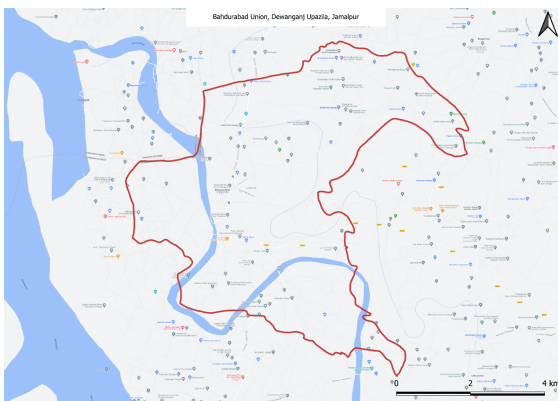
This component has provisions to install land gauges across its project area to validate the accuracy of inundation mapping. To initiate this process, consultation for installing land gauges has been going on. Field facilitators are visiting each union parishad office and discussing about potential suitable spots for installing land gauges. For every union, at least three locations are being selected upon UDMC suggestion. Field facilitators have been instructed of their approach and necessary GIS maps with local point of interest have been provided for convenience of their work in the field level.



Activity 9. Existing gauge validation

Progress

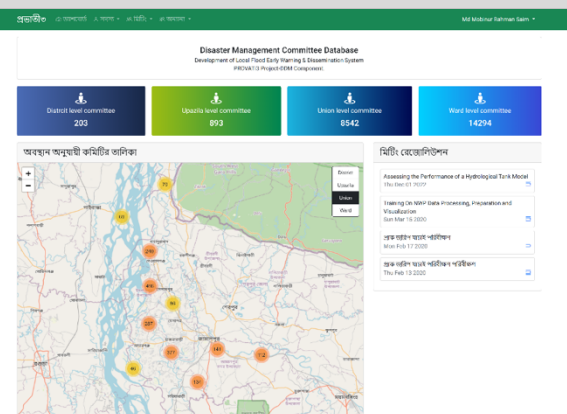
Since danger level consultation in upazila level is on progress in the project area the existing river gauges need to be verified if they are completely functional. Field facilitators have completed their visit to all the gauge stations in the study area and reported on the current condition (existing DL, recorded highest reading, GPS location etc.) of the gauges. Field facilitators are also visiting existing land gauges in the project area and reporting on their existing condition. Existing embankment locations along the Brahmaputra river in Kurigram district have been updated and put into map as well.



Activity 10. DMC Database

Progress

Development of DMC database has been completed. The recommendations and requirements proposed in the earlier consultation meetings have been met to finalize the full version of the database. An in-house meeting was held by the RIMES team on the basic operating mechanism of DMC portal. All the remaining data has arrived from the field levels and been uploaded to the DMC database.



Activity II. Preparation of annual workshop

Progress

Since the date of annual workshop of PROVATi3 Project-DDM component has been announced, the preparation for the workshop is underway. Presentations, speeches, banner, letters etc have been prepared and under review. Venue preparation, arrangements and other additional relevant tasks has been assigned to team members.

Section C

Challenges & Overcome Strategy

- N/A

Section D

Work plan for next quarter (April-June, 2023)

- Organization of Annual Progress Sharing Workshop
- Inauguration of Disaster Management Committee data portal
- Completion of topography survey in sundarganj and fulchhari
- Continuation of land gauge establishment consultation
- Schedule fixing for training plan for DMC members

Section E

Budgetary Reflection

- N/A