

## Development of Local Flood Early Warning and Dissemination System

### PROVATi3 Project-DDM Component

**October-December 2022**

### Quarterly Progress Report

Regional Integrated Multi-Hazard Early Warning System (RIMES)

#### Section A

##### Progress Summary

- Monthly Progress Sharing Meeting of PROVATi3 Project-DDM Component
- Baseline Survey report submission
- Annual report submitted submission
- Workshop on draft training module
- DMC database development and update
- Recruitment of Project Officer (Communication)
- Topography survey in project area
- Midterm review mission
- Most vulnerable union selection validation
- Coordination meeting with FFWC
- Coordination meeting with partner NGOs

#### Section B

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

##### Progress

3rd quarterly Progress sharing meeting of the PROVATi3 project-DDM component was held at DDM on 17 October 2022 with DDM, LGED, and RIMES professionals. The meeting took place to identify and discuss project progress and the issues that emerged as challenges in various activities of “Development of Local Flood Early Warning and Dissemination System”. Md. Atiqul Huq



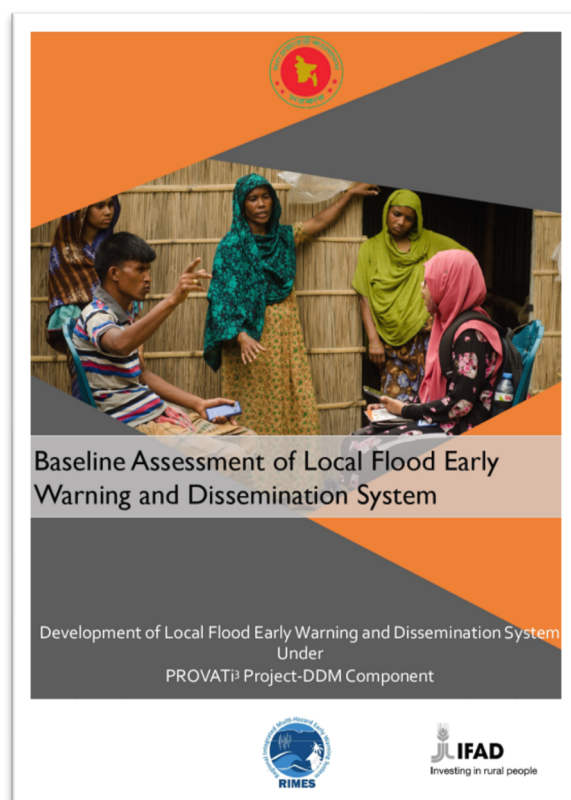
Director General, Department of Disaster Management, chaired the meeting while Netai Chandra Dey Sarker, Director (MIM) & Project Coordinator, Provati3 Project-DDM Component, DPC (ICT), DPC (GIS), RIMES Team Leader, Program manager, and other

officials of the PROVATi3 project participated in the meeting. The program manager started the discussion highlighting the previous activities done in July, August and September. Activities of the previous three months included the preparation of a baseline report, preparations for arranging training, the installation of river gauges, and the appropriate implementation of the activities.

#### Activity 2. Baseline Survey report submitted to LGED

##### **Progress**

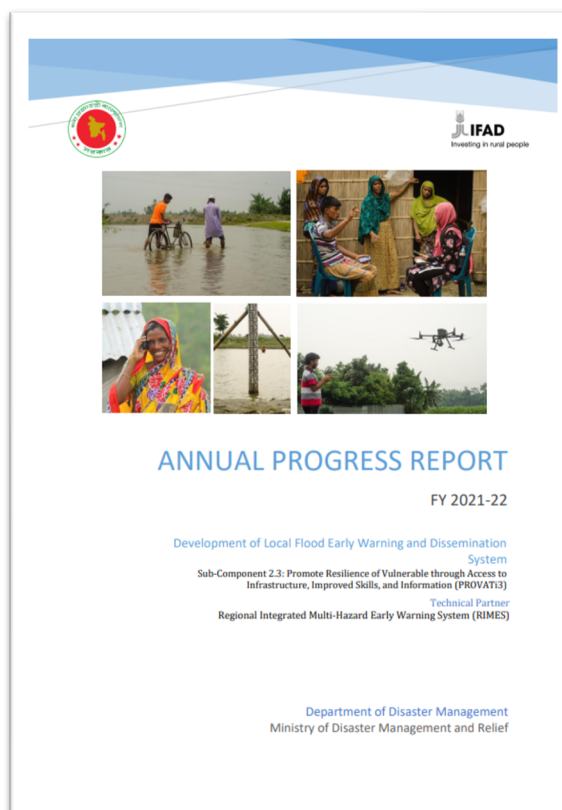
A baseline report under the contract agreement has been submitted to LGED on 13 November outlining the objective, sampling method, training sessions, survey procedure, and data analysis. Details of the HH survey, FGD sessions, and KII are also described in the report. The final baseline report contains detailed findings of the survey which provide an overview of the existing situation of the community people within the study area. Furthermore, the forthcoming data analysis based on the baseline study will also be useful to measure the changes and project impact over time. It will be beneficial and crucial for understanding the needs and vulnerabilities of the communities which are needed to be addressed for accomplishing the project goals.



### Activity 3. Draft Annual report prepared and submitted to DDM

#### Progress

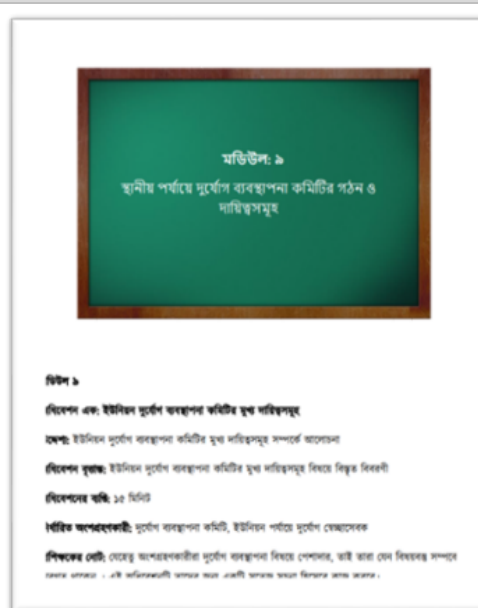
As PROVATi3 project-DDM component has been successfully completed one year after its commencement, an annual report is generated based on the activities took place throughout the last project year. This report basically contains the major activities from October 2021 to September 2022. The major activities are the inception workshop both in national and local level, completion of the baseline survey and final report generation, DMC data collection and framework development for creating a common database, vulnerable union selection within the project area and planning on voice message portal development. Along with project activities, the report has general overview and objectives, project challenges, and recommendations for emerged issues in the first year of the project. The draft annual report is submitted to DDM on 30 November 2022.



### Activity 4. Workshop on draft training module

#### 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, early actions based on forecasts and; roles and responsibilities of local level disaster management committee.



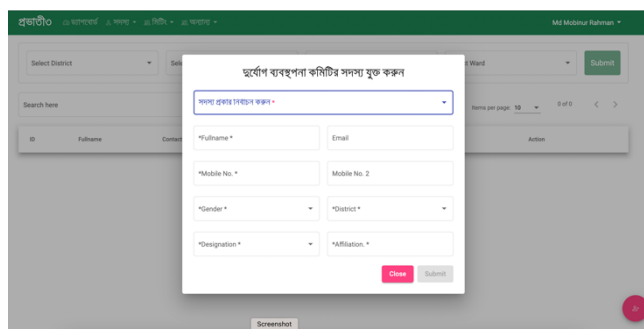
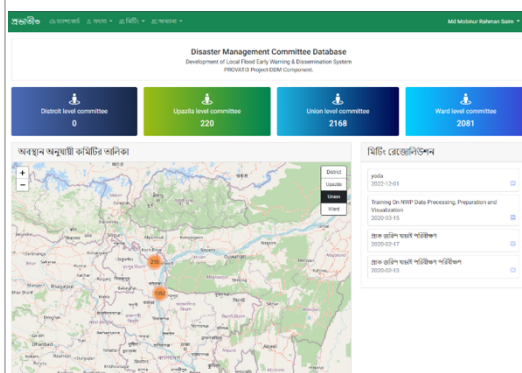
A workshop was held at DDM with the presence of Atiquel Huq Director General, Department of Disaster Management; Director (Training), project coordinator, deputy project coordinator and other PROVATi3- DDM part team members. Valuable comments are given by the participants on the draft module and based on those comments draft module is being updated. The brochure and other necessary materials preparation are in progress.



### Activity 5. DMC database development and update

#### Progress

Framework for the DMC database has already been developed and all level DMC data except Paurashava level has already been collected. DMC data of Jamalpur district have already been uploaded to the database and rest of the collected data are being processed as per requirement. Few suggested changes such as user registration part for the DMC members has already been developed by ICT specialist and some works are in progress. To monitor the DMC data collection progress, two field visit was made by regional coordinator in the month of November and December.



### Activity 6. Recruitment of Project Officer (Communication)

#### Progress

To recruit for the post of Project Officer (Communication), a CV Evaluation Meeting of the PROVATi3 project-DDM component was held at DDM on 17 November 2022 with the presence of Netai Chandra Dey Sarker, Director (MIM) & Project Coordinator, Provati3 Project-DDM component who chaired the meeting while, DPC (ICT), DPC (GIS), FFWC Executive Engineer,



RIMES program manager, and other officials. Based on the assessment report of evaluation committee, Ananya Roy got sufficient score for selection. Nominate candidate Ms. Ananya Roy joined as a Project Officer (Communication) since 1 December, 2022.

## Activity 7. Topography survey in project area

### Progress

To collect DEM data for the project area, topographic survey through LiDAR drone has been started in Gaibandha District from December. For surveying purposes, 14 Ground Control Point (GCP) have been installed in Udakhali, Ulia and Kanchipara union under Fulchari upazila. 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.



## Activity 8. Midterm review mission

### Activity 8 (a). MTR mission Kick off meeting

### Progress

Mid Term Review mission of IFAD started from 6 December 2022. A kick off meeting was held at LGED office where Md. Mohsin, Chief Engineer, LGED chaired the meeting and mission team members also participated the meeting. PROVATi3 Project-DDM Component Team Leader, Program Manager, Hydrologic System



Developed attended the program and Program Manager presented the overall progress, challenges, and future plan of this component. Feedback and suggestions have come for this component.

#### Activity 8 (b). Field visit at Gaibandha

##### Progress

For midterm review, representatives of the IFAD and LGED personnel made a visit to the project area at Gaibandha on 8 December 2022 for monitoring the progress. All the reports describing the progress of the activities done under the project were shared to the donor earlier. An open discussion among stakeholders, local level beneficiaries and donors had been done during the mission visit. Project-related issues and challenges was also discussed with project donor (IFAD) and LGED personnel.



Beneficiaries shared their experiences with flood early warning receiving through voice messages and expressed benefits and how it is useful to them for taking early action. Gazaria union chairman and ward members also their feedback to mission team. Mission team also discussed with PROVATi<sup>3</sup> project-DDM Component members and RIMES Country Program Lead in Rangpur regarding managing the project timeline, completion of topography survey, inundation mapping tool development and other relevant issues.

#### Activity 8 (c). MTR mission visit at DDM office

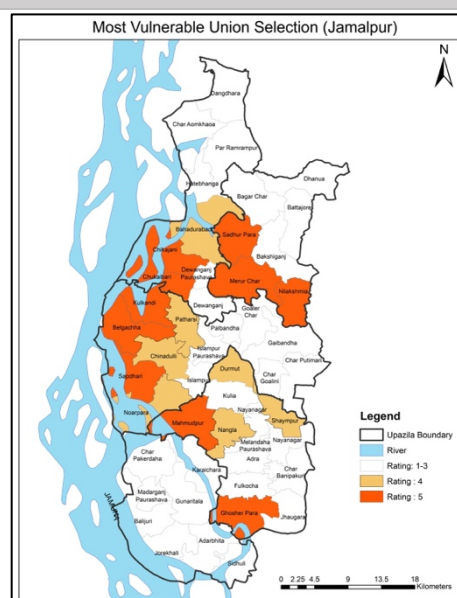
##### Progress

MTR mission team leader and Project Director, PROVATi<sup>3</sup> Project-LGED visited DDM office on 14 December 2022. A meeting held with Project Coordinator, PROVATi<sup>3</sup> Project-DDM Component, Program Manager and Finance and Admin officer on the DPP revision issues. Different budget heads need to be revised and additional budget requirement has been proposed in this meeting. Mission team informed that these issues will be reflected in the mission report and LGED and DDM will work on this during the budget revision.

## Activity 9. Most vulnerable union selection

### Progress

As per project activity, 79 unions under project area has been selected as most vulnerable union based on score given by PIO and UP secretary of respective upazila. 37 unions from Kurigram, 20 unions from Jamalpur and 22 unions from Gaibandha union have been selected as most vulnerable. This 79 unions have been validated by Upazila Nirbahi Officer (UNO). Finally only 60 unions will be selected by 3 District Commissioners of respective districts of project area. For this purpose, official letters are sent to all DCs on 29 December, 2022 for arranging validation workshop.



## Activity 10. Coordination meeting with FFWC

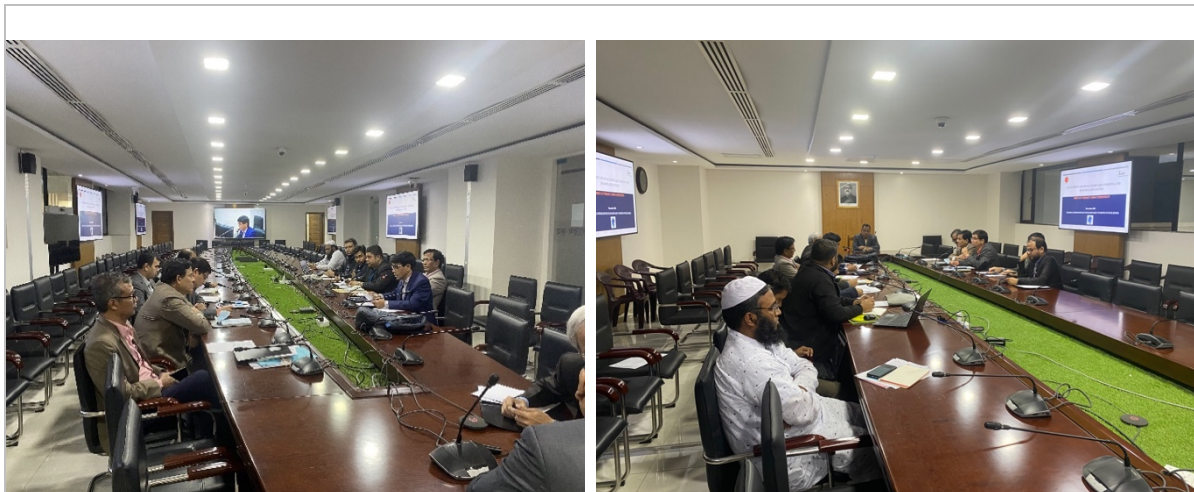
### Progress

A discussion meeting on the collaborative activities to supplement “Development of Local Flood Early Warning And Dissemination System” (PROVATi3 – DDM Component) was held on 21 December 2022 in the Conference Room of BWDB at Pani Bhaban. Mr. Jyoti Prosad Ghosh, Additional Director General (Planning, Design & Research), BWDB chaired the meeting while project coordinator and deputy project coordinator of PROVATi3 project-DDM part, chief and executive engineers of FFWC, LGED representative and RIMES representatives were also presented in the meeting. Main discussion of the meeting was how collaborative work between DDM and BWDB will help in better implementation of the project by integrating the forecast output generated by FFWC, BWDB into the disseminating process of DDM.

Important decisions made in the meetings are:

- Development of mobile application to get inundation forecast for the project area.
- Continue danger level validation in the required spots within the project area.
- Text messages along with voice messages should be considered during dissemination.
- Formulation of a letter of agreement between BWDB and DDM.





## Activity II. Coordination meeting with NGOs

### Progress

A coordination meeting between PROVATi3 project-DDM component and other NGOs was held in DDM on 27 December 2022. These NGOs are working on flood early warning and early action in the same project area. The meeting was chaired by the honorable Director General of Department of Disaster Management. Project Coordinator and Deputy Project Coordinator of PROVATi3 project-DDM component; Director (Planning), DDM; representatives from BWDB, RIMES, FAO, LGED, Care Bangladesh and BDRCS were presented in the meeting. The main purpose of the meeting was to avoid duplicacy or repetition in a similar type of activities and ensure maximum utilization of our limited resources. Few decisions were taken in the meeting to avoid duplication:

- Preparation of a common activity chart for all the projects with similar activities
- A definite threshold or triggering mechanism for Flood Early Action Protocol should be selected
- All organizations must work in a collaborative way.





## Section C

### Challenges & Overcome Strategy

- The topographic survey was planned to run parallel in two districts (Gaibandha and Jamalpur). But only one LiDAR is available till now which slowed down the working progress.
- Paurashava DMC data collection is being delayed. Letters will be issued to the mayors of respective paurashavas requesting to share the data.

## Section D

### Work plan for Nex Quarter (January-March) 2023

- Finalization of the most vulnerable union from validation by DC
- Progress sharing of DMC database development
- Finalization of training module and IEC material
- Annual Progress sharing workshop of PROVATi3 project-DDM part
- Drone Survey inception workshop
- Continuation of topography survey data collection
- Commencement of training on flood early warning for DMCs
- New gauge establishment consultation in coordination with FFWC

## Section E

### Budgetary Reflection

N/A