

## Development of Local Flood Early Warning and Dissemination System

### PROVATi3 Project-DDM Component

**May 2022**

#### Monthly Progress Report

Regional Integrated Multi-Hazard Early Warning System (RIMES)

#### Section A

##### Progress Summary

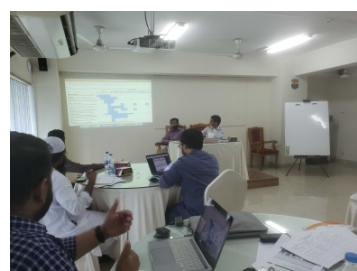
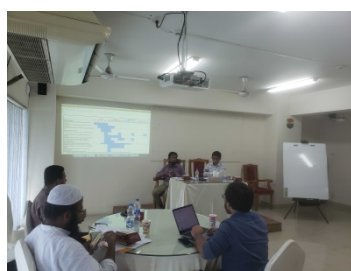
- Quarterly Progress Sharing Meeting of PROVATi3 Project-DDM Component
- Baseline Survey at Jamalpur, Gaibandha and Kurigram
- Virtual training session on data collection app (Kobo Collect)
- DMC Database development meeting at DDM
- Meeting on voice message broadcasting portal development

#### Section B

##### Activity 1. Quarterly Meeting of Provati3 Project-DDM Component

###### Progress

Quarterly progress sharing meeting was held at DDM on 25 May 2022 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”. Netai Chandra Dey Sarker, Director (MIM) & Project Coordinator, Provati3 Project-DDM Component chaired the meeting while, DPC (ICT), DPC (GIS), RIMES program manager, Hydrologist and Climate Change expert of LGED and other officials of Provati project participated in the meeting.



##### Activity 2. Baseline Survey at Jamalpur, Gaibandha and Kurigram

###### Progress

An essential part of Provati3 Project-DDM component is to conduct a baseline survey of the current flood early Warning system, this will help establish user needs. Prior to beginning this project, baseline study conduction helps get an idea of the current need of the community regarding flood early Warning.

Following a successful baseline study in several Upazilas of Jamalpur, the RIMES team is currently deployed in the field and conducting surveys in the Communities of Kurigram and Gaibandha. The study is being carried out from both qualitative and quantitative Perspectives. A total of 1425 households have been decided to be interviewed in all 174 unions of Kurigram, Gaibandha and Jamalpur districts by using a portable electronic device and the digital data collection app called

KOBO Toolbox with a structured questionnaire. Besides the household survey, 19 FGDs and 31 KIIs with the professionals of BWDB, LGED and DDM will also be conducted under the baseline study.

The ongoing baseline assessment will identify the gaps in the existing flood early warning dissemination system and understand what flood early warning needs and vulnerabilities should be addressed, and scope of improvement of generation and dissemination of localized flood early warning. It will also be helpful in measuring change and project impact over time, where results from the baseline will be compared with periodic post monsoon surveys done at the end of each



Monsoon period.

### Activity 3. Virtual training session on data collection app

#### Progress

Following a successful baseline study in several Upazilas of Jamalpur, Gaibandha and Kurigram District, the RIMES team was deployed in the field and conducted survey in the communities. The study was carried out from both qualitative and quantitative Perspectives. A total of 1425 households were decided to be interviewed by using a portable electronic device and the digital data collection app called Kobo Toolbox with a structured questionnaire. The surveyors were instructed on the use of the software and its associated guidelines via a prearranged virtual training session on 5 May 2022.

### Activity 4. Training Calendar for FY 2022-23 of Provat3 Project-DDM Component

#### Progress

In the context of the Provat3 project-DDM component, a training calendar along with a draft budget for the coming financial year 2022-2023 has been prepared and submitted to LGED. The trainings are on flood early warning and risk management for district, upazila and union DMC members, data collection and dissemination for gauge readers, Training on flood early warning and disaster risk management for DDM, FFWC officials, and on flood early warning for national level stakeholders (DDM, BWDB, FFWC, DAE etc).

### Activity 5. DMC Database development meeting at DDM

#### Progress

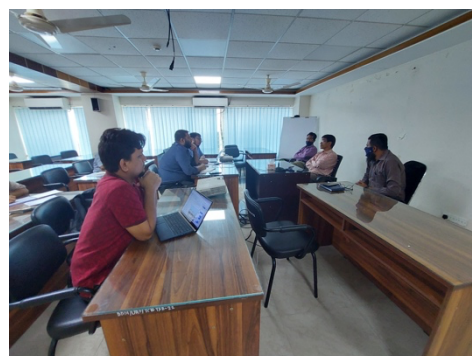
A meeting was held at DDM on 19 May 2022 with DDM and RIMES professionals. The meeting took place to discuss progress of DMC Database Management System of “Development of Local Flood Early Warning and Dissemination System”. ICT specialist Md Mobinur Rahman gave a presentation on DMC DATABASE MANAGEMENT SYSTEM, Development Process, Data Collection Area and Data Collection Process. Netai Chandra Dey Sarker, Director (MIM) & Project Coordinator, Provati3 Project-DDM Component, RIMES program manager and other RIMES professionals participated in the meeting.



### Activity 6. Consultation on voice message broadcasting portal development

#### Progress

On 24 May 2022, a meeting on voice message broadcast portal development took place at Department of Disaster Management. Mr. Netai Chandra Dey Sarker, Director (MIM) and Project Coordinator of Provati3 Project-DDM Component chaired the meeting. Since voice message broadcasting is a key medium of early warning dissemination from the next monsoon, development of the system is initial process. Necessary server system, components or features of the portal, sustainable VOIP service provider and other necessary issues were discussed. It was also discussed that BTCL and Teletalk representatives could be invited in the next meeting to discuss the scope of providing VOIP service and voice message broadcasting in a cost effective and efficient way.



### Section C

#### Challenges & Overcome Strategy

- Since the world is experiencing Covid-19 pandemic, it was another challenge. To overcome this challenge, following proper Covid Health Protocol was the primary strategy.
- Adverse weather condition is a challenge for field level activity under baseline survey. Protective gears for rainfall and boat travel are arranged such as umbrella, raincoat, life jacket etc. Team members were also advised on necessary actions regarding thunderstorm and lightning strike.

## Section D

### Work plan for June Month

- Baseline Survey at Kurigram and Gaibandha
- Preparation of Baseline Summary Report to DDM
- National Level Workshop on DMC Database development
- Conducting meeting on collaboration with FFWC
- Monitoring monsoon season for observing any impending flood in the Brahmaputra-Jamuna basin

## Section E

### Budgetary Reflection

- N/A