

Development of Local Flood Early Warning and Dissemination System

PROVATi3 Project-DDM Component

Quarterly Progress Report

January-March, 2022

Regional Integrated Multi-Hazard Early Warning System (RIMES)

Section A

Progress Summary

- Regional Level Workshop at Gaibandha, Jamalpur and Kurigram
- Inception Meeting of Advisory Committee
- Workshop on baseline assessment and tools development
- Process of Launching website
- Report on National and Regional Level Inception Workshop
- Tool Development for Baseline Survey
- Most vulnerable union selection
- Sample size Determination for Provati3 Project

Section B

Activity 1. Progress sharing meeting with DDM

Progress

RIMES started working in PROVATi3 Project-DDM component from 03 October 2021. After commencement of this project, an introductory meeting took place with DDM on 11 October, 2021. This meeting was held aiming to address the project overview, forthcoming activities, and fiscal implications that were associated with the project. Initial work plan and arrangement for inception workshops were discussed. Every month from October through February, monthly meeting was held at DDM to discuss the progress of the project and plan for the future.

Activity 2. Arrangement of Regional Level Workshop at Gaibandha, Jamalpur and Kurigram

Progress



One of Regional level Inception Workshop on “Development of Local Flood Early Warning and Dissemination System” under PROVATi3 Project-DDM Component was held on January 10th, 2022 at Gana Unnayan Kendra in Gaibandha, Bangladesh. Honourable Director General Md. Atiqul Huq, Department of disaster management, was present as the Chief Guest and Netai Chandra Dey Sarker, Director (MIM) & Project Coordinator, Provati3 Project-DDM Component, Department of Disaster Management, presided over the programme as Chairperson. Additional Deputy Commissioner, Mr Sadekur Rahman, was present as special guest. In preparation for the district level inception workshop, a number of resources have been produced. Workshop supplies, such as folders, notebooks, and banners, were created.

Jamalpur Regional level Inception Workshop on “Development of Local Flood Early Warning and Dissemination System” under PROVATi3 Project-DDM Component was held on February 13th, 2022 at Luis Park Village & Resort in Jamalpur, Bangladesh. Netai Chandra Dey Sarker, Director (MIM) & Project Coordinator, Provati3 Project-DDM Component, Department of Disaster Management, presided over the programme as Chairperson. Additional Deputy Commissioner, Muhammad Muklesur Rahman, was present as a special guest.



Regional level Inception Workshop on “Development of Local Flood Early Warning and Dissemination System” under PROVATi3 Project-DDM Component was held on March 3rd, 2022 at Deputy Commissioner's Office, Kurigram, Bangladesh. Mohammad Rezaul Karim, Deputy Commissioner and District Magistrate, Kurigram, was present as the Chief Guest and Netai Chandra Dey Sarker, Director (MIM) & Project Coordinator, Provati3 Project-DDM Component, Department presided over the programme.



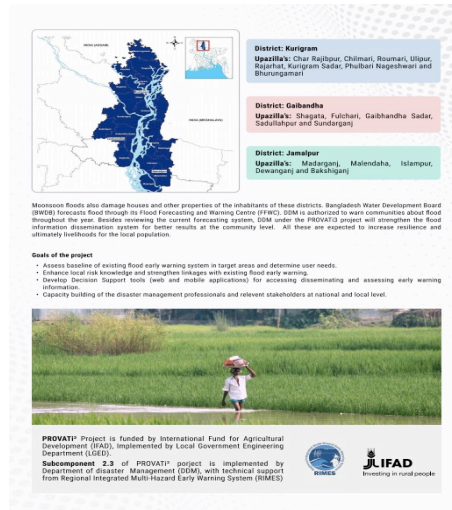
Activity 3. Report on National and Regional Level Inception Workshop

Progress

A National level and three regional Inception Workshops on “Development of Local Flood Early Warning and Dissemination System” under PROVATi3 Project-DDM Component were held at Provati3 project regions. In order to provide with detailed information about those workshops, reports have been prepared and submitted to DDM.

Activity 4. Development of Relevant Materials for project overview

A project brief has been developed in addition to the present overall project work plan and outlining its scopes. This will help to make people understand the major focus and target of this project, target areas for project implementation and major project output.



Progress

The advisory committee's authorization has been obtained. This committee consists of six (06) members including one representative from DU, IWFM-BUET, FFWC-BWDB along with Project Coordinator, two Deputy Project Coordinators of DDM. The advisory committee's first meeting was held on February 1st, 2022. Review and feedback on inception reports of both packages by Technical Advisory Committee on Local Flood Warning Information Dissemination System under PROVAT-3 Project-DDM Component was the prime objective of the meeting. Advisory Committee members discussed on Inception Report and shared their valuable insights on technical issues, scientific approaches of different methodology to be used in projects and gave necessary feedback on ToR implementation procedure of Advisory Committee, co-opt LGED representative in the committee, inclusion of detailed methodology in Inception Report Package 2, technical Discussion on georeferencing of datum, map-generation, forecast dissemination and payment of RIMES.



Progress

A Workshop on Baseline Assessment and Tool Development was held on February 1st 2022 at DDM. Honourable Director General Md. Atiqul Huq, Department of disaster management, was

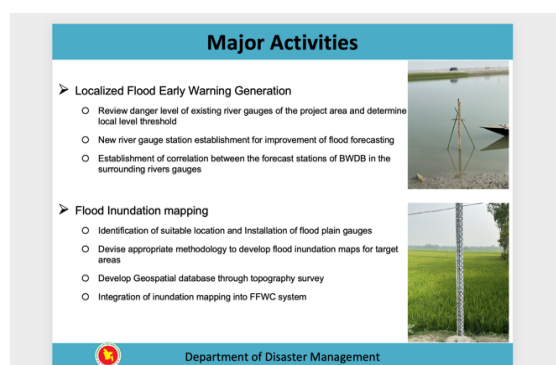
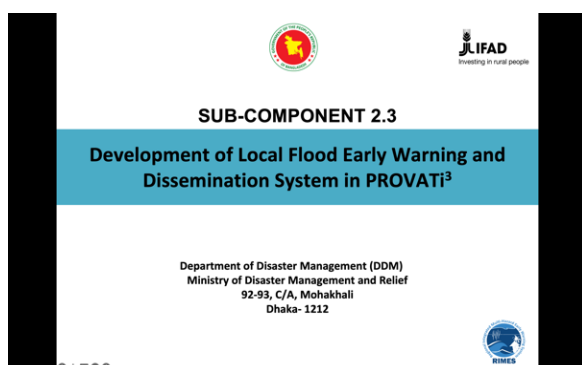


present at the workshop and Netai Chandra Dey Sarker, Director (MIM) & Project Coordinator, Provati3 Project-DDM Component, Department of Disaster Management, presided over the programme. Md. Atiqul Huq, DG, DDM, Advisory Committee members, Project Coordinator, Deputy Project Coordinators, and RIMES team members participated in the workshop.

Activity 7. PROVATi3 Implementation support mission

Progress

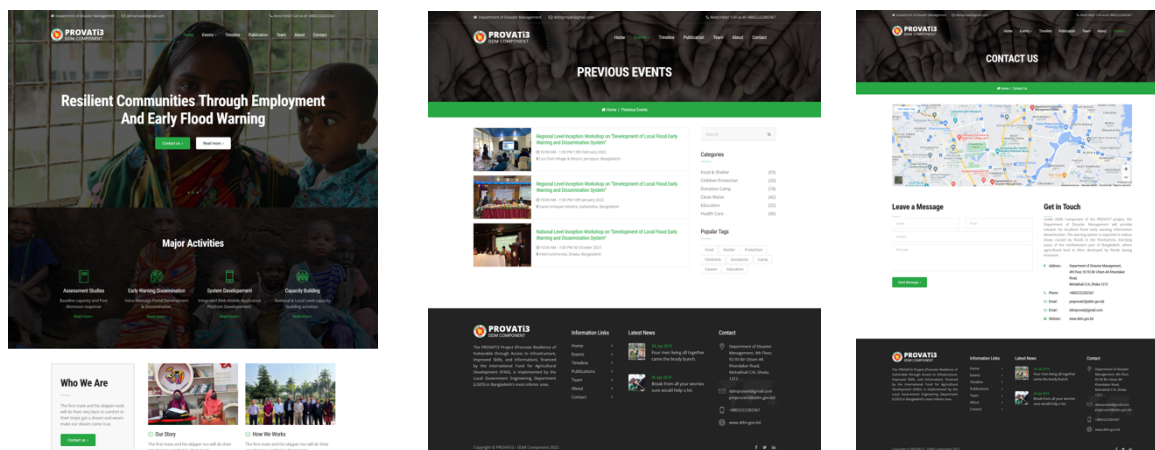
An implementation support mission held on 27 February and scheduled with field visit. This mission started with an online meeting session led by PROVATi3 LGED. This mission aims to review and evaluate overall progress, identify challenges and future work plan to accomplish project deliverables. RIMES shared overall progress and way forward with work plan on 27 February. After that session, RIMES officials will accompany the mission team in Gaibandha to explain the detail work plan and methods to meet the goal of the project.



Activity 8. Process of Launching website

Progress

After the approval of DDM a sub-domain has been provided and IP address is linked for website launching. Website development and content (reports, photographs and other materials) uploading is on progress by the PIU and research team.



Activity 9. Tool Development for Baseline Survey

Progress

Tool development for the next baseline survey of the PROVATi3 Project has been completed, which essentially consists of a questionnaire for HH survey, Focus Group Discussions (FGDs), and Key Informant Interviews (KIIs). Baseline survey highlights gaps, present capacity, and areas for improvement of flood early warning services. Individual surveys, Focus Group Discussions (FGDs), and Key Informant Interviews (KIIs) are being undertaken to better identify user need for early warning information and pilot area capabilities on forecast and early warning information interpretation and understanding.

Activity 10. Most vulnerable union selection

Progress

Flood prone most vulnerable unions will be identified through three methodological approaches. A key person survey will be conducted in the project unions. This survey will be conducted with DRROs, PIOs, UNOs, and Upazilla and Union chairman. These key persons will provide their opinion based on historical data of flood of each union. They will also rank unions based on perceived level of vulnerability. Along with key person survey, satellite-based inundation maps and vulnerability maps will be prepared based on historical and secondary data. Overlaying these maps, unions can be grouped in high, medium, and low vulnerable groups. Output from key person interviews will support necessary information and compiling all these data, vulnerable union ranking will be achieved.

Activity 10(a). FGD for most vulnerable union selection at Gaibandha

Progress

On Thursday, March 31, 2022, a Focus Group Discussion Meeting for the most vulnerable union selection of Gaibandha Sadar Upazila was held in the conference room of the Gaibandha Sadar Upazila. The meeting was attended by 13 Union Secretaries from Gaibandha Sadar Upazila, and The Project Implementation Officer from Gaibandha Sadar Upazila was present to serve as the meeting's mentor. He kicked off the meeting by introducing himself and providing a quick overview of the Provati3 Project to the assembled audience.

It was decided at the meeting to talk about the prior flood history of each union in Gaibandha Sadar Upazila, as well as to offer some vital knowledge regarding previous flooding they had experienced. They also ranked a table of the most susceptible unions, which they ranked according to the level of vulnerability they had encountered.



Activity 10(b). FGD for most vulnerable union selection at Jamalpur

Progress

On, March 29, 2022 and March 30 2022, two Focus Group Discussion Meeting for the most vulnerable union selection of Dewanganj and Islampur was held in the Office room of PIOs. The Dewanganj FGD meeting was attended by 7 Union Secretaries while from Islampur 09 Union Secretaries attended the session. Md. Mazaharul Islam-PIO from Dewanganj & Mehedi Hasan Tito PIO from Islampur inaugurated the focus Group Discussion session on vulnerable union selection in due time. Firstly, they explained the format clearly & told the respective UP secretary to fill up that correctly so that the Provati3 Project can do their activities effectively with the vulnerable



people. They also said, the vulnerable people of the community will be highly benefited from the project if we select the union according to their vulnerability & others surrounding environment. As a result, the UP secretary tried their best to fill up the format with authentic data. Md. Aftab Hossain-Field Facilitator also described the objectives & different type activities of the project. The participants were highly pleased to attend the FGD & learning about the project activities. They also welcomed in their area so that the most vulnerable people can take action in advance during monsoon season especially for floods through getting the weather forecast in due time.

Activity 11. Sample size Determination for Provati3 Project

Progress

Provati3 baseline assessment survey will be carried out following some statistical method to make the assessment statistically significant. Since Provati3 project area consists of 19 upazilas from three districts, sample population will be selected from union population. From this sample population,

approximate sample size is determined for the study. From this formula $n = (84.5) (1-r) / (r) (p)$ the tentative sample size appeared 1370.

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.
- Unavailability of necessary IT equipment has slowed down the working progress for a while. To resolve this issue, RIMES is providing support by temporarily allocating necessary equipment.

Section D

Work plan for next quarter (April-June, 2022)

- Field survey for data collection under baseline survey
- Data analysis and draft report generation of baseline survey
- Data receiving of all Disaster Management Committees for development of DMC database
- Initiation of voice message dissemination portal for upcoming monsoon period
- Generation and dissemination of flood early warning observing the flood situation

Section E

Budgetary Reflection

- RIMES has submitted Financial Report (October 2021-December 2021) to DDM in January under package 1 to reimburse the amount and the bill has been reimbursed
- RIMES has submitted invoice (10% of total contract value) for 1st deliverable (submission of Inception Report) under contract package 2 that has also cleared