

Development of Local Flood Early Warning and Dissemination System

PROVATi3 Project-DDM Component

February 2024

Monthly Report

Regional Integrated Multi-Hazard Early Warning System (RIMES)

Section A

Progress Summary

- Monthly Progress sharing meeting with DDM
- Training on Flood Early Warning and Risk Management at Ulipur
- DMC portal training for Ulipur and Chilmari upazila
- Land gauge installation
- Flood shelter data collection in three districts
- Vulnerability map Update
- FPP Volunteer list collection
- Kiosk dashboard development
- Ongoing topographic survey at Jamalpur

Section B

Activity I. Monthly Progress Sharing meeting of PROVATi3 Project - DDM Component

Progress

A progress sharing meeting was held at DDM on 14th February, 2024 with DDM 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) and Project Coordinator of PROVATi3- DDM component chaired the meeting. DPC (GIS and ICT), Team leader, program manager, and other RIMES personnel joined the meeting. In the meeting, the GIS Specialist discussed the progress of previous month, and then different activities of project such as Vulnerability map preparation, installation of land gauge, IEC material printing, flood shelter data collection, FPP volunteer list collection, training on DMC portal, ongoing topographic survey, Kiosk Dashboard etc. were discussed in detail. Upcoming activities that need to be accomplished by the next month were also discussed in the meeting.



Activity 2. Training on DMC portal for Ulipur and Chilmari, Kurigram

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. Two (02) training sessions held at TTC Kurigram for Ulipur and Chilmari upazila on 22 February, 2024. These training programs were chaired by Netai Chandra Dey Sarkar, Director (MIM) and Project Coordinator of the PROVATi³ project-DDM component. Mobinur Rahman, ICT specialist demonstrated the portal use. Participants of the training included UP secretary of respective unions, their office assistants, PIOs of respective upazilas and their secretaries, and UDC entrepreneurs.

Activity 3. Training on Flood Early Warning and Risk Management at Ulipur upazila, Kurigram

Progress

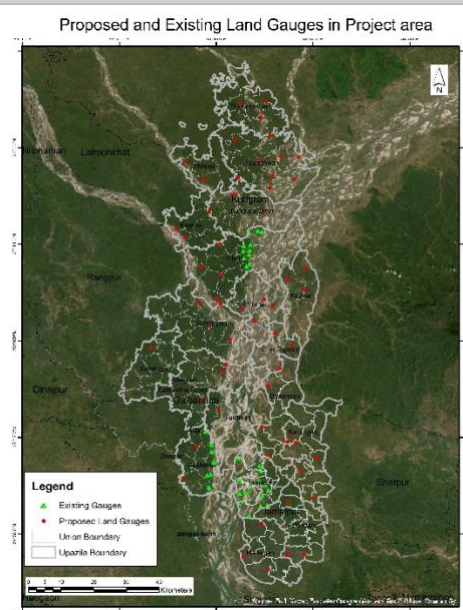
A training on Flood Early Warning and Risk Management was held in Ulipur upazila of Kurigram district on 22 February, 2024. Honourable Director General of DDM, MD. Mijanur Rahman was the chief guest of the training and inaugurated the training session via online platform. The program was chaired by Netai Chandra Dey Sarker, Director (MIM) and Project Coordinator of PROVATi³ project-DDM part. The training sessions were continued with upazila-level DMC members as participants including AC(Land), PIO, UP chairman and other members of union and upazila level DMC. DDM, BWDB and RIMES representatives facilitated the training workshop as trainers in different sessions. DMC members were trained up on basic disaster terminologies, flood forecasting system, early warning and their roles and responsibilities during disaster.



Activity 4. Land gauge installation

Progress

There is a provision of installation of 60 inundation gauges in the project area. As per their recommendation, these draft gauge points have been reviewed in terms of recent flood intensity maps developed by LGED. Based on the last recommendation these locations have been finally selected. The locations are now finally approved by the project implementation unit. The gauge installation process will be started soon as per RIMES provision.



Activity 5. Flood shelter data collection in three districts

Progress

DDM has provided a list of existing flood shelters in the project area. The field facilitators of three districts have been provided with an online data collection format to gather required information which is constantly being monitored. Once the data collection is completed, they will be plotted in GIS maps. Flood shelter data collection is completed in Jamalpur and Gaibandha districts. Currently data collection is in progress within Kurigram district.

S/N	Name of Upazila	Name of Flood Shelter	Latitude	Longitude	Capacity Men, Cattle	No. of Floor/Storey	Nearest River	Photo	Remarks
1	Jamalpur Sadar	Flood Shelter at Roushin Congopara Bulanta Dakhil (Village Pali)	25.076728	89.757157	150	2	About 0.3 km to the west lies the Brahmaputra River		Repairing work under on 2021 but no work
2		Pandabhera Govt. Primary School used as flood shelter	25.093208	89.770862	50	1	About 0.5 km to the west lies the Brahmaputra River		
3		Chiradull S.N. High School used as flood shelter	25.054546	89.748196	400	2	About 0.5 km to the west lies the Brahmaputra River		
4		Dakshin Chiradull Dakshin Madrasa used as flood shelter	25.047908	89.733813	50	1	About 0.5 km to the west lies the Brahmaputra River		
5		Chiradull Govt. Madrasa used as flood shelter	25.051303	89.748108	50	1	About 0.75 km to the west lies the Brahmaputra River		
6		Goutali Govt. Primary School used as flood shelter	25.084332	89.715637	80	2.5 & 1	About 0.7 km to the west lies the Brahmaputra River		
7		Belgachha High School at Baralia used as flood shelter	25.101197	89.734821	125	3 & 1	About 0.1 km to the west the Brahmaputra River		
8		Belgachha Secondary School at Billa Para used as flood shelter	25.102818	89.720856	60	3 & 1	About 0.3 km to the west lies the Brahmaputra River		
9		Shaharai Saveri A.B.S. High School used as flood shelter	25.106671	89.724320	200	2	About 2.5 km to the north lies the Brahmaputra River		
10		Kulandi Vidyayatra Islam Madrasa used as flood shelter	25.123264	89.718386	550	2 & 1	About .75 km to the north lies the Brahmaputra River		

Activity 6. Vulnerability map Update

Progress

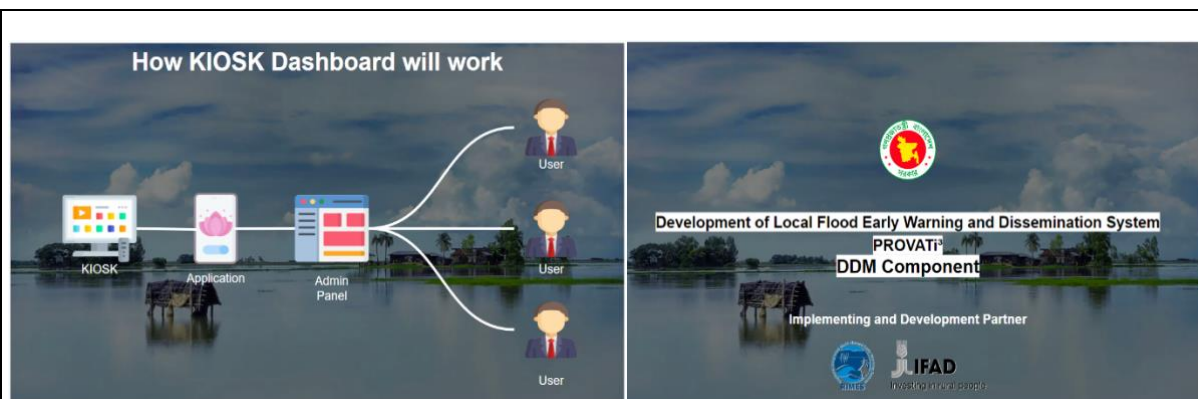
Based on secondary data sources vulnerability calculation has been performed. Draft vulnerability maps have been prepared for upazila level for Gaibandha and Jamalpur districts. Necessary changes and updates have been made based on the comments received in the last meeting. After completion of map generation these maps shall be sent to upazilas of project area.



Activity 7. Kiosk dashboard Update

Progress

The last changes in Kiosk Dashboard are presented in the monthly progress meeting. Dashboard homepage, existing text alignment, logo placement, flood map format, automatic update of messages etc. are discussed and some suggestions are received. According to the comments received on the last meeting, admin panel of kiosk dashboard has been updated and other changes will be made as per recommendation.



Activity 9. FPP Volunteer list collection

Progress



FRIENDSHIP													
Flood Volunteer Database													
S	Name	Gender	Religion	Area	Age	Phone	Address	Religion	Religion	Religion	Religion	Religion	Religion
1	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
2	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
3	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
4	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
5	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
6	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
7	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
8	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
9	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
10	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
11	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
12	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
13	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
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21	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
22	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
23	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
24	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
25	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
26	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
27	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
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31	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
32	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
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37	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
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40	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
41	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
42	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
43	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
44	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
45	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
46	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
47	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
48	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
49	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim
50	Mr. Md. Arif	Male	Muslim	Barisal	45	01711111111	Barisal	Muslim	Muslim	Muslim	Muslim	Muslim	Muslim

Following the meeting on development of Flood Preparedness Program (FPP) volunteer for the flood prone areas of Bangladesh, volunteer lists have been collected from the NGO representatives of Friendship, NRP CARE, SKS Foundation, Eco Social Development Organization (ESDO), Islamic Relief Bangladesh (IRB), NDP, PARI Development Trust, Unnayan Sangha (US), RDRS Bangladesh. A technical working group of five members has already been formed including convener, members and member secretary to develop a concept note. Upon receiving soft copy of volunteer list from NGOs, a combined list is being prepared for the project area.

Activity 10. Topographic survey at Jamalpur

Progress

Through topographic survey, digital elevation model data is being collected in the flood vulnerable areas along the Brahmaputra-Jamuna. Recently data collection has been completed in Jamalpur District and initial setup for data collection in Rowmari and Char Rajibpur upazila has been completed. Till February 2024, 812 square km DEM data have been collected. Currently data collection is in progress in Kurigram District.



Section C

Challenges & Overcome Strategy

- Topographic survey need to be completed during 2024 to develop forecast based inundation mapping.

Section D

Work plan for March 2024

- Conducting of training on flood early warning and risk management for DMCs in project area
- DMC portal training continuation
- Land gauge installation
- Continuation of Topographic survey
- Meeting on FPP
- National level training on flood early warning and risk management.