

Development of Local Flood Early Warning and Dissemination System

PROVATi3 Project-DDM Component

October - December 2023

Quarterly Report

Regional Integrated Multi-Hazard Early Warning System (RIMES)

Section A

Progress Summary

- Quarterly Progress sharing meeting with DDM
- Training on Flood Early Warning and Risk Management at Sundarganj
- DMC portal training for Saghata and Fulchari upazila
- Land gauge selection following TAC meeting recommendation
- Flood shelter data collection in three districts
- Vulnerability map preparation
- FPP Volunteer list collection
- Meeting on Kiosk dashboard development
- Ongoing topographic survey at Jamalpur

Section B

Activity I. 8th Quarterly meeting (October - December 23) of PROVATi3 Project - DDM Component

Progress

8th quarterly progress sharing meeting was held at DDM on 9 January 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”. Md Mijanur Rahman, Director General of DDM chaired the meeting. Project Coordinator, Deputy Project Coordinators (GIS & RM), Team leader, Program Manager, and other RIMES personnel joined the meeting. Field facilitators and LGED representatives attended the meeting via online. In the meeting, Program Manager discussed the activities of previous quarter, and then different project related issues such installation of river and land gauge, flood shelter data collection, development of voice message portal, training on DMC portal, IEC material finalization etc were discussed in detail.

Future activities that need to be accomplished by the next quarter were also discussed in the meeting.



Activity 2. Training on DMC portal for Fulchhari and Saghata, Gaibandha

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 Gaibandha for Fulchhari and Saghata upazila on 29 January 2024. These training programs were chaired by Netai Chandra Dey Sarkar, Director (MIM) and Project Coordinator of the PROVAT³ project-DDM component. Mobinur Rahman, ICT specialist demonstrated the portal use. Participants of the training were 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 Sundarganj upazila, Gaibandha

Progress

A training on Flood Early Warning and Risk Management was held in Sundarganj upazila of Gaibandha district on 28 January 2024. Honourable DG 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 PROVAT³ project-DDM part. The training sessions were continued with upazila-level DMC members as participants including AC(Land), PIO, UP chairman of respective upazilas 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.

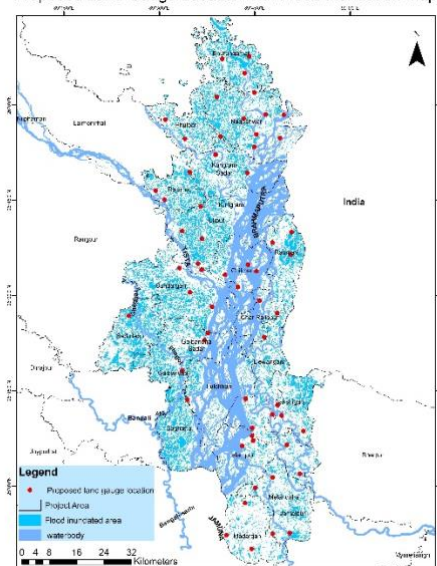


Activity 4. Land gauge selection following TAC meeting recommendation

Progress

There is a provision of installation of 60 inundation gauges in the project area. Based on the field data these locations have been identified. These draft land gauge locations were presented in GIS maps to the technical advisory committee. As per their recommendation, these draft gauge points have been reviewed in terms of recent flood intensity maps developed by LGED. The gauge installation process shall start once the locations are finally approved by the project implementation unit. Other

Proposed Land Gauge Location with Flood Inundation Map

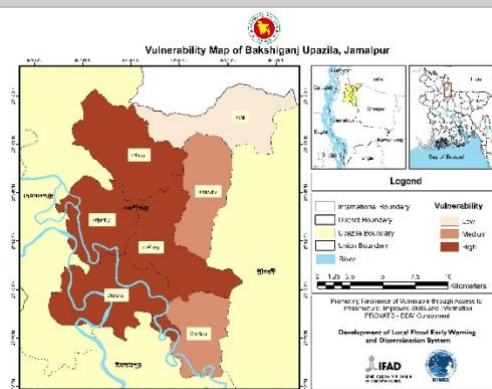


Activity 5. Flood shelter data collection in three districts

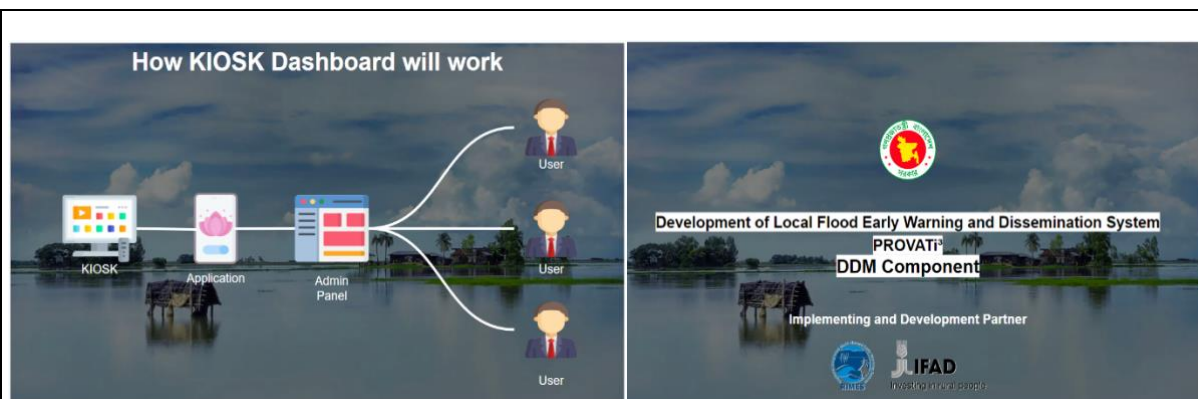
Flood shelter data collection is ongoing in Jamalpur, Gaibandha and Kurigram. DDM has provided a list of existing flood shelters in the project area. The field facilitators of three districts have been provided with an online data collection format to gather required information which is constantly being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

S/N	Name of Upazila	Name of Union	Name of Flood Shelter	Latitude	Longitude	Capacity Man	No. of Room/Storey	Nearest River	Photo	Remarks	
1	Halimpur Sadar		Flood Shelter at Padukh Gangana Karna Khati Mansur field	25.07628	89.779137	180	2	About 0.5 km to the west for the Brahmaputra River		Repairing work under on 2021 but no work	
2			Handbaria Court, Primary school used as flood shelter	25.093208	89.771082	50	29	About 0.5 km to the west for the Brahmaputra River			
3	Chinaihat		Chinaihat S.N. High School used as flood shelter	25.05446	89.741891	400	200	2	About 0.5 km to the west for the Brahmaputra River		
4			Dakshin Chinaihat Dakshin Madrasa used as flood shelter	25.047608	89.738811	50	25	1	About 0.5 km to the west for the Brahmaputra River		
5			Chinaihat Road Madrasa used as flood shelter	25.051203	89.741606	100	50	1	About 0.75 km to the west for the Brahmaputra River		
6			Usthal Court, Primary school used as flood shelter	25.084132	89.715037	90	45	2.5 & 1	About 0.2 km to the west for the Brahmaputra River		
7	Balgachia		Balgachia High School at Jeralu used as flood shelter	25.101197	89.734807	220	125	3 & 1	About 0.2 km to the west the Brahmaputra River		
8			Balgachia Secondary School at Mita Para used as flood shelter	25.102818	89.720856	60	30	3 & 1	About 0.3 km to the west for the Brahmaputra River		
9	Kushtia		Shahad Savitri A.S.S High school used as flood shelter	25.106673	89.721011	200	100	2	About 2.5 km to the north for the Brahmaputra River		
10			Kalandi (Indrapatna) Elm Madrasa used as flood shelter	25.123264	89.718365	150	75	2 & 1	About 25 km to the north for the Brahmaputra River		

Based on secondary data sources vulnerability calculation has been performed. Draft vulnerability maps have been prepared for upazila level for Gaibandha and Jamalpur districts. After final approval these maps shall be sent to project area upazilas.



A meeting on Development of Kiosk Dashboard held on 23 November at DDM. The meeting was chaired by Director (MIM) and Project Coordinator of PROVATI3 project-DDM component. Deputy project coordinator (GIS-RM), program manager, and RIMES officials were presented in the meeting. ICT specialist demonstrated how the dashboard will function and its outlook. Participants shared their ideas and inputs and a few corrections for kiosk dashboard which will be addressed soon.



Activity 9. FPP Volunteer list collection

Progress



FRIENDSHIP													
Flood Volunteer Database													
S	Name	Gender	Religion	Area	Age	Marital Status	Education	Occupation	Address	Phone	Email	Photo	Notes
1	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
2	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
3	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
4	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
5	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
6	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
7	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
8	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
9	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
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26	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
27	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
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45	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
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49	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			
50	Mr. Md. Arif	Male	Muslim	Barisal	45	Married	High School	Teacher	Barisal, Bangladesh	01711111111			

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.

Activity 10. Topographic survey at Jamalpur

Progress

Through topographic survey, digital elevation model data is being collected in the vulnerable areas along the Brahmaputra-Jamuna. Currently data collection is on progress in Islampur upazila of Jamalpur district. In January 2023, 20.31 square km DEM data have been collected. Due to extreme foggy weather, the survey progress has been slowed down lately.



Section C

Challenges & Overcome Strategy

- Topographic survey need to be completed during 2024 to develop forecast based inundation mapping. To fulfil the target, 2nd team of surveyor should be deployed.

Section D

Work plan for February 2024

- Conducting of training on flood early warning and risk management for DMCs in project area
- DMC portal training continuation
- Land gauge installation
- Gauge location visit to the selected locations with FFWC and TAC members
- Continuation of Topographic survey
- National level training on flood early warning and risk management.