

Development of Local Flood Early Warning and Dissemination System

PROVATi3 Project-DDM Component

April - June 2024

Quarterly Report

Regional Integrated Multi-Hazard Early Warning System (RIMES)

Section A

Progress Summary

- Training on DMC portal management
- Training on Flood Early Warning and Risk Management
- Land gauge Installation
- Flood shelter data Review and Mapping
- Abroad Training on Understanding Risk 2024
- Kiosk dashboard development
- Volunteer pool development and Capacity Building Training
- Ongoing topographic survey at Kurigram
- Meeting on Voice Message Broadcast System (VMB) Development

Section B

Activity I. Training DMC portal management

(a) 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 can be updated with the 64 district DMC member information if needed in future. 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 were held at TTC Gaibandha for Palashbari and Gobindaganj upazila on 22 April 2024. Honourable DG MD. Mijanur Rahman was the chief guest of the training and inaugurated the training session via online platform. Both training programs were chaired by Netai Chandra Dey Sarkar, Director (MIM) and Project Coordinator of the PROVATi3 project-DDM component. Md. Mobinur Rahman, ICT specialist demonstrated the portal use. Participants exercise the portal instantly and made few edits by themselves. Participants of the training were UP secretary of respective unions, their office assistants, PIOs of respective upazilas and their secretaries, and UDC entrepreneurs.

(b) Kurigram

Progress

One (01) training session was held at Terre Des Hommes (TDH), Sadar hospital road, Kurigram for Phulbari upazila on 21 April, 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 Sarkar, Director (MIM) and Project Coordinator of the PROVATi3 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. 14 trainings have been completed, and 12 DMC portal management trainings sessions still pending.



Activity 2. Training on Flood Early Warning and Risk Management at Kurigram

Progress

One (01) training session was arranged in April 21, 2024 at Chilmari Upazila of Kurigram District. 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 session was 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. A total of 15 trainings have been completed, and 4 Early warning and risk management trainings remain to be done.



Activity 3. Land gauge Installation

(a) Construction

Progress

There is a provision of installation of 60 inundation gauges in the project area to validate Flood inundation map. Based on the latest recommendation from Technical Advisory Committee, locations to install land gauges have been selected. After the selection of the locations, the design and specification for the land gauge have already been developed and sent to the field facilitators to install land gauges. In three districts, three different Local vendors inspected the site and prepared land gauges according to design and specifications. The primary construction work for 60 land gauges has already been completed. The paint job and scale drawing are currently in progress on the finished gauges. Upon completion of the painting process, these gauges will be transported to their designated spots and installed accordingly.



(b) Field Visit for Land Gauge Supervision

Progress

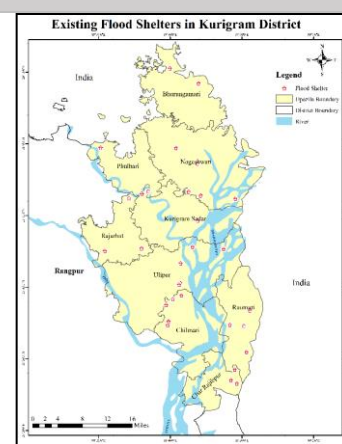
A field visit was conducted in Jamalpur, Gaibandha and Kurigram district to inspect the quality of construction work of the land gauge installation. During this visit, the build quality and work progress of the land gauges has been observed. The vendors were advised with recommendations from DDM and RIMES. It was also observed if all the requirements from PIU are being served. Currently the paint job and scale drawing in progress on the finished land gauge. For scale drawing a mold was taken from Dhaka office to the construction sites of the three districts. The local administration was informed about the ongoing activities and progress of the project.



Activity 4. Flood Shelter Data Review and Mapping

Progress

As per directives from the Director General of DDM in the last quarterly meeting, flood shelter location identification has started. Field facilitators has collected a list of existing flood shelters from PIO officers in the project area to create a spatial flood shelter map with GPS coordinate. The field facilitators of three districts have been provided with an online data collection format to gather required information. Coordinate data (Latitude and Longitude) of flood shelters from these three districts has already



been collected, and three maps have been created based on this data for each district. Maps are updated and reviewed for Dewanganj and Sarishabari upazila. Currently, shelter data are reviewing for Mollar Char union, Gaibandha sadar upazila.

Activity 5. Abroad Training on Understanding Risk 2024

Progress

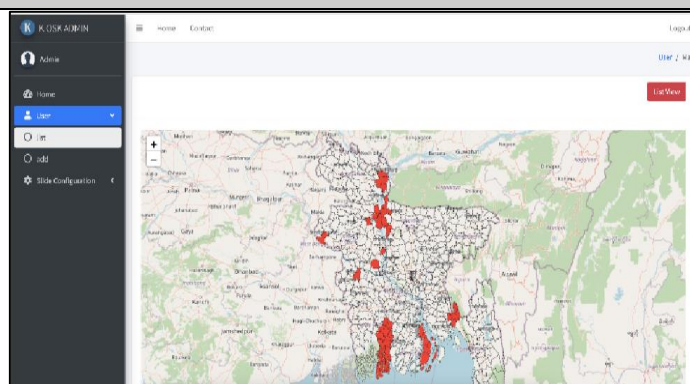
To enhance disaster risk management practices and understanding disaster risk of natural hazards the Understanding Risk Forum 2024 (UR24) was held in June 16-21, 2024 in Himeji City, Hyogo prefecture, Japan. This forum will bring together Disaster Risk Management (DRM) experts and practitioners worldwide. From Provati3-DDM component project, DDM and RIMES officials attend the forum to gather and share their knowledge and experience on disaster risk management. They participated in different sessions as panelists. A presentation was given on linkage between artificial intelligence (AI) and anticipatory action (AA). There was a stall at the event where we showcased a variety of materials related to our project activities. This included visually engaging posters and informative brochures that provided an in-depth look at our ongoing initiatives.



Activity 6. Kiosk dashboard development

Progress

KIOSK dashboard has been developing to display flood early warning messages through digital display boards in 19 upazilas. Based on the feedback received on last quarterly meeting, the app has been updated and finalized. Procurement for purchasing



TV/Display boards to install KIOSK in 19 upazilas is currently underway. 50"/55" google TV or android display will be provided for kiosk dashboard installation.

Activity 07. Volunteer pool development and Capacity Building Training

Progress

Volunteer lists have been collected from the various NGO representatives, i.e. Friendship, CARE, SKS Foundation, ESDO, Islamic Relief Bangladesh (IRB), NDP, PARI Development Trust, Unnayan Sangha (US), RDRS Bangladesh. A Total of 6602 volunteer's data have been found. This data base could provide a well dissemination medium for flood EW.

The LCS member list from LGED has already been collected. In accordance with the draft National Volunteer Policy-2024, this list will undergo filtering and will be merged with the existing volunteer list. A new tab will be created in the DMC portal to store this volunteer database. Volunteer capacity-building training will be started as soon as possible.

PROVAT- LGED									
Gaibandha									
Sl. No.	District	Upazila	Union	Ward Number	Village Name	Name of Volunteer	Gender	Education Qualification	Mobile Number
1	Gaibandha	Barisal	Barisal	1	Barisal	Barisal	M	SSC	0171111111
2	Gaibandha	Barisal	Barisal	2	Barisal	Barisal	F	SSC	0171111112
3	Gaibandha	Barisal	Barisal	3	Barisal	Barisal	M	SSC	0171111113
4	Gaibandha	Barisal	Barisal	4	Barisal	Barisal	F	SSC	0171111114
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6	Gaibandha	Barisal	Barisal	6	Barisal	Barisal	F	SSC	0171111116
7	Gaibandha	Barisal	Barisal	7	Barisal	Barisal	M	SSC	0171111117
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Activity 8. Ongoing Topographic survey at Kurigram

Progress

Through a topographic survey, digital elevation model data is being collected in the vulnerable areas along the Brahmaputra-Jamuna River system. Earlier data collection has been completed in Gaibandha. Recently, a second drone was added to the project for topographic surveying. Currently Drone team 2 is working simultaneously in Char Rajibpur upazila and Rowmari upzila of Kurigram district. Till June 2024, 1041.46 sqkm area has been surveyed through LiDAR drone. Based on collected DEM data few trials are done to develop inundation maps for this monsoon.



Activity 9. Meeting on Voice message Broadcast System (VMB) Development

Progress

A meeting was held with BTCL, Teletalk and Grameenphone representatives on 30th May, 2024. The meeting was chaired by Netai Chandra Dey Sarker. The main discussion at the meeting was receiving IPTSP service from the telecommunication company to broadcast voice messages on flood forecast to the vulnerable community of



the project area. During the meeting, representatives from Grameenphone demonstrated their existing IPTSP service. Furthermore, delegates from Teletalk and BTCL contributed their insightful recommendations on this matter, indicating their readiness to provide services in this area. Teletalk Bangladesh was requested to present their existing IPTSP services in the next meeting. In order to arrive at a final decision to receive this IPTSP service, another meeting will be organized at the earliest convenience.

Challenges & Overcome Strategy

- N/A

Section D

Work plan for next Quarter

- Conducting of training on flood early warning and risk management for DMCs in project area
- DMC portal training continuation
- Installation of Land gauge and completion
- Continuation of Topographic survey
- Commencement of Volunteer training
- Organization of Annual Progress Sharing Workshop
- KISOK dashboard development completion
- Dissemination of Flood Early Warning to project areas (pilot basis)