

## Development of Local Flood Early Warning and Dissemination System

### PROVATi3 Project-DDM Component

January 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. 8<sup>th</sup> Quarterly meeting (October - December 23) of PROVATi3 Project - DDM Component

##### Progress

8<sup>th</sup> 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 regularly, 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 PROVATI<sup>3</sup> 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

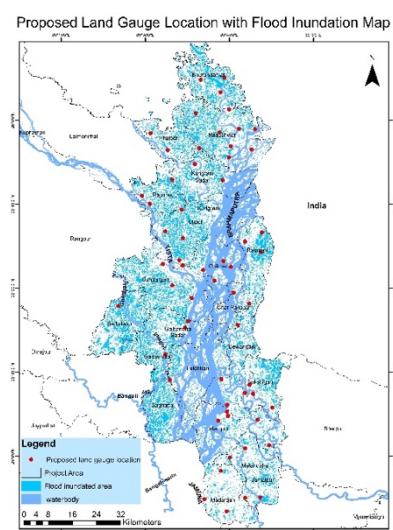
A training on Flood Early Warning and Risk Management was held in Sundarganj upazila of Gaibandha district on 28 January 2024. Honourable DG MD. Mijanur Rahman was the chief guest of the training and inaugurated the training session via online platform. The program was chaired by Netai Chandra Dey Sarker, Director (MIM) and Project Coordinator of PROVATi<sup>3</sup> 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 requested maps and information were also shared with the TAC members via email for their remarks.



## Activity 5. Flood shelter data collection in three districts

### Progress

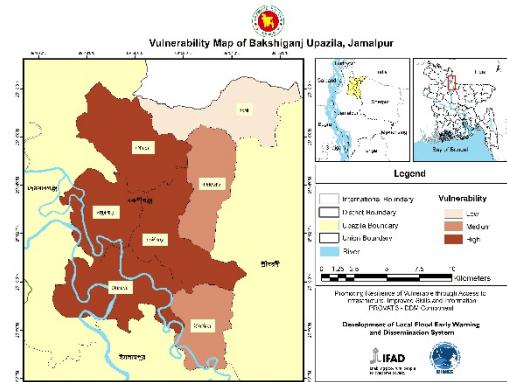
Flood shelter data collection is ongoing in Jamalpur, Gaibandha and Kurigram. DDM has provided a list of existing flood shelters in the project area. The field facilitators of three districts have been provided with an online data collection format to gather required information which is constantly being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

List of Flood Shelters prepared to deal with recent flood of Jamalpur district.										
Sr #	Name of Upazila	Name of Union	Name of Flood Shelter	Latitude	Longitude	Capacity Man Castle	No. of Floor/Story	Nearest River	Photo	Remarks
1	Bishnupur Sadar		Flood Shelter of Rashin Enggome Bamura Dakhil Madrasa Field	25.076728	89.757157	160	80	2	About 01 km to the west lies the Brahmaputra River	
2			Panchkhali Govt. Primary School used as flood shelter	25.054208	89.774485	50	25	1	About 05 km to the west lies the Brahmaputra River	
3			Chinabali S.N. High School used as flood shelter	25.054546	89.741091	400	200	2	About 0.5 km to the west lies the Brahmaputra River	
4			Dukhali Chinabali Dakkhil Madrasa used as flood shelter	25.047508	89.733813	50	25	1	About 0.5 km to the west lies the Brahmaputra River	
5			Chinabali Razil Madrasa used as flood shelter	25.051263	89.741608	100	50	1	About 0.75 km to the west lies the Brahmaputra River	
6	Beliaghata		Goraihat Govt. Primary School used as flood shelter	25.084132	89.715637	90	45	2.5 & 1	About 0.2 km to the west lies the Brahmaputra River	
7			Beliaghata High School at Jarhata used as flood shelter	25.101197	89.734927	150	125	3 & 1	About 01 km to the west the Brahmaputra River	
8			Beliaghata Secondary School at Ma Para used as flood shelter	25.102818	89.720858	60	30	3 & 1	About 0.3 km to the west lies the Brahmaputra River	
9	Kulilandhi		Ukaikeb Sharif A.J.S High School used as flood shelter	25.106671	89.724503	200	100	2	About 2.5 km to the north lies the Brahmaputra River	
10			Kulilandhi Hidayeta Alim Madrasa used as flood shelter	25.121064	89.718385	150	75	2 & 1	About .75 km to the north lies the Brahmaputra River	

## Activity 6. Vulnerability map preparation

### Progress

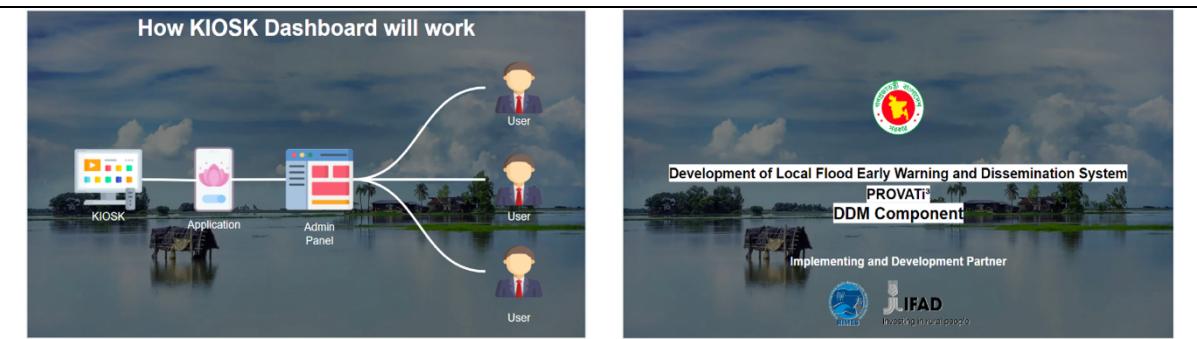
Based on secondary data sources vulnerability calculation has been performed. Draft vulnerability maps have been prepared for upazila level for Gaibandha and Jamalpur districts. After final approval these maps shall be sent to project area upazilas.



## Activity 7. Meeting on Kiosk dashboard development

### Progress

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

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.



FRIENDSHIP Flood Volunteer Database												
Sl.	Name	Gender	Char/Village	Union	Upazila	District	Age	Educational Qualification	Marital Status	Father's Name	Mother's Name	Mobile
1	Md. Saffi Islam	Male	Keroshkhali Para	Boro	Upazila	Khagrachari	24	HSC	Unmarried	Md. Mdiasarul Islam	Mst. Sireesha Islam	01551348063
2	Md. Obayrat Hossain	Male	Keroshkhali Para	Boro	Upazila	Khagrachari	23	HSC	Unmarried	Md. Asfar Ali	Mst. Monowara Begum	0166232242
3	Md. Sarker Rous	Male	Keroshkhali Para	Boro	Upazila	Khagrachari	18	HSC	Unmarried	Md. Shafiqur Rahman	Mst. Sardabeh Begum	01662323241
4	Md. Shariful Islam	Male	Keroshkhali Para	Boro	Upazila	Khagrachari	17	HSC	Unmarried	Md. Mdiasarul Islam	Mst. Farzana Begum	01662321118
5	Md. Mdiasarul Islam	Male	Keroshkhali Para	Boro	Upazila	Khagrachari	18	HSC	Unmarried	Md. Mdiasarul Islam	Mst. Farzana Begum	01662321251
6	Md. Shariful Islam	Male	Keroshkhali Para	Boro	Upazila	Khagrachari	18	HSC	Unmarried	Md. Mdiasarul Islam	Mst. Farzana Begum	01754463645
7	Mst. Farzana Begum	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	25	HSC	Unmarried	Mst. Farzana Begum	Mst. Farzana Begum	0172712840
8	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	23	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01551208014
9	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	18	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01551209751
10	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	15	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01663675983
11	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	24	HSC	Married	Mst. Mdiasarul Islam	Mst. Farzana Begum	01754463915
12	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	18	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01662320234
13	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	13	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01662320055
14	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	18	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01551211282
15	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	18	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01651822783
16	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	23	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01555990173
17	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	23	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01654217010
18	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	17	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	0155220141
19	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	15	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01659896715
20	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	15	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	1652071982
21	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	21	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01651240812
22	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	18	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	0162421044
23	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	18	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	0172710198
24	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	16	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01651390515
25	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	27	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	0155991795
26	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	27	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	0165152955
27	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	19	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	0165181078
28	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	18	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	0164228608
29	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	17	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01622327182
30	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	19	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	0164881003
31	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	15	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	0178795684
32	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	20	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01652295714
33	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	15	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	0164081044
34	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	15	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01652232048
35	Mst. Mdiasarul Islam	Female	Keroshkhali Para	Boro	Upazila	Khagrachari	15	HSC	Unmarried	Mst. Mdiasarul Islam	Mst. Farzana Begum	01655930872

## 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

- Due severe cold wave and foggy condition, drone survey was postponed for several days. Drone team will continue survey and work extra time to cover time loss.

### 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