

## 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.

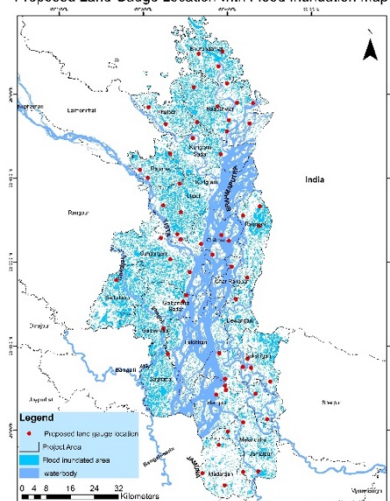


### Activity 4. Land gauge selection following TAC meeting recommendation

#### 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.

Proposed Land Gauge Location with Flood Inundation Map



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

### Progress

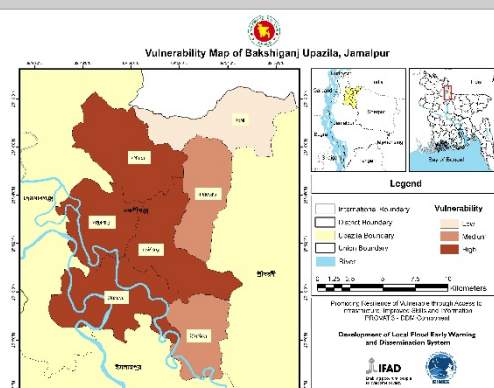
Flood shelter data collection is ongoing in Jamalpur, Gaibandha and Kurigram. DDM has provided a list of existing flood shelters in the project area. The field facilitators of three districts have been provided with an online data collection format to gather required information which is constantly being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

S/N	Name of Upazila	Name of Flood Shelter	Latitude	Longitude	Capacity Men, Cattle	No. of Floor/Storey	Nearest River	Photo	Remarks	
1	Islampur Sadar	Flood Shelter at Panchhat Gangopara Balamita Dakhil Madrassa Hall	25.076728	89.757157	150	80	About 0.1 km to the west lies the Brahmaputra River		Repairing work under on 2021 but no work	
2		Panchhat Govt. Primary School used as flood shelter	25.093208	89.771852	50	25	1	About 0.5 km to the west lies the Brahmaputra River		
3	Chiradull	Chiradull S.N. High School used as flood shelter	25.054546	89.748106	400	200	2	About 0.5 km to the west lies the Brahmaputra River		
4		Dakshin Chiradull Dakshil Madrasa used as flood shelter	25.047908	89.733819	50	25	1	About 0.5 km to the west lies the Brahmaputra River		
5		Chiradull Fazil Madrasa used as flood shelter	25.051203	89.748106	100	50	1	About 0.75 km to the west lies the Brahmaputra River		
6		Guthali Govt. Primary School used as flood shelter	25.084132	89.715037	90	45	2.5 & 1	About 0.2 km to the west lies the Brahmaputra River		
7	Belgachha	Belgachha High School at Jamalhola used as flood shelter	25.101197	89.734801	250	125	3 & 1	About 0.1 km to the west lies the Brahmaputra River		
8		Belgachha Secondary School at Mita Para used as flood shelter	25.102818	89.720856	60	30	3 & 1	About 0.3 km to the west lies the Brahmaputra River		
9	Kuland	Shahabad Smriti A.B.S. High School used as flood shelter	25.106671	89.724308	200	100	2	About 2.5 km to the north lies the Brahmaputra River		
10		Kuland Haidyetta Alim Madrasa used as flood shelter	25.123264	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.

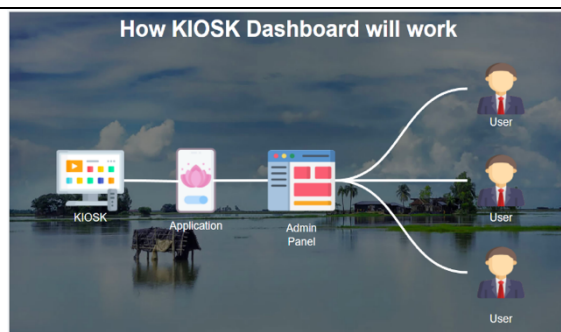


## Activity 7. Meeting on Kiosk dashboard development

### 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	Education Qualification	Marital Status	Father's name	Mother's name	Mobile No.
1	Ms. Saifia Islam	Male	Barna T Boli Para	Barna	Ujjar	Bangladesh	24	HSC	Unmarried	Mr. Md. Hossain Rahman	Ms. Saifia Islam	01813140063
2	Ms. Shyama Begum	Male	Barna T Boli Para	Barna	Ujjar	Bangladesh	27	BSC	Unmarried	Mr. Shyama Begum	Ms. Shyama Begum	01862302042
3	Ms. Saba Khatun	Male	Barna T Boli Para	Barna	Ujjar	Bangladesh	18	OAC	Unmarried	Mr. Shyama Begum	Ms. Saba Khatun	01862302042
4	Ms. Shafiqul Haque	Male	Barna T Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Shafiqul Haque	Ms. Shafiqul Haque	01862302042
5	Ms. Shafiqul Haque	Male	Barna T Boli Para	Barna	Ujjar	Bangladesh	18	BSC	Unmarried	Mr. Shafiqul Haque	Ms. Shafiqul Haque	01862302042
6	Ms. Shafiqul Haque	Female	Barna T Boli Para	Barna	Ujjar	Bangladesh	18	BSC	Unmarried	Mr. Shafiqul Haque	Ms. Shafiqul Haque	01862302042
7	Ms. Farhatul	Female	Barna T Boli Para	Barna	Ujjar	Bangladesh	15	BSC	Unmarried	Mr. Farhatul	Ms. Farhatul	01862302042
8	Ms. Afiyeh	Female	Barna T Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Afiyeh	Ms. Afiyeh	01862302042
9	Ms. Mousumi	Female	Barna T Boli Para	Barna	Ujjar	Bangladesh	18	BSC	Unmarried	Mr. Mousumi	Ms. Mousumi	01862302042
10	Ms. Afiyeh	Female	Barna T Boli Para	Barna	Ujjar	Bangladesh	15	BSC	Unmarried	Mr. Afiyeh	Ms. Afiyeh	01862302042
11	Ms. Afiyeh	Male	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	24	HSC	Married	Mr. Afiyeh	Ms. Afiyeh	01862302042
12	Ms. Sagar	Male	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	18	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
13	Ms. Sagar	Male	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
14	Ms. Sagar	Male	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	18	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
15	Ms. Sagar	Male	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	18	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
16	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
17	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
18	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
19	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
20	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
21	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
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24	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
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29	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
30	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
31	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
32	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
33	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
34	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042
35	Ms. Sagar	Female	Shuadonatal Boli Para	Barna	Ujjar	Bangladesh	17	BSC	Unmarried	Mr. Sagar	Ms. Sagar	01862302042

## 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