

iCARE Innovation Fund

Digital Innovation in Early Warning Systems: Building Climate Resilience in Bangladesh Monthly Progress Report

Reporting Period
May 2024

Prepared by:
Practical Action in Bangladesh

1. Project Information

Project Title:	Digital Innovation in Early Warning Systems: Building Climate Resilience in Bangladesh
Project Code:	WBCAR
Partner Organisation:	No implementing partner, Practical Action in Bangladesh is directly implementing the innovation
Reporting Period:	01 May 2024 – 31 May 2024
Date of Submission:	06 June 2024
Contact Name:	Tamanna Rahman
Contact Position:	Thematic Lead - Climate and Resilience
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Contact Telephone Number:	M +88 01718874313 T +8802223362499, +8802223362683, +8802223365243
Status of project progress in this reporting period	<input type="checkbox"/> Significant delay <input type="checkbox"/> Delay <input checked="" type="checkbox"/> On Track
Report sign Off	<input checked="" type="checkbox"/> I have reviewed all the information provided for each section including number of beneficiaries. The information provided for each section of the report is complete. Name: Tamanna Rahman Designation: Thematic Lead

2. Key Achievements

A severe heatwave occurred in our project areas during the first week of May, coinciding with Bangladesh experiencing a record-breaking 43.7 degrees Celsius. During this time, we disseminated early warnings and advisories through voice messages, reaching and impacting 18,237 households. As a result, 92% of the recipients are now aware how to save lives and livelihoods during a heatwave.

The app upgradation service level agreement has been completed with the SSL software firm (Mov Attached in annex), and the beta version of the application is now live. We are currently conducting testing at the volunteer level.

422 household data have been collected. Data was collected on HHs mobile number, usage of smart phone, installed of Disaster Alert App and when people are interested to receive Early Warning Message.

On the last week of May (dated on 26 May) 2024, Severe Cyclonic Storm 'Remal' struck the Khepupara area of Patuakhali district, Bangladesh, with peak wind speeds reaching 111 km/h. Timely alerts disseminated through the Disaster Alert for BD, reaching 75,000 households across Bangladesh.

Furthermore, early warning voice messages were sent out, reaching 3,000 Cyclone Preparedness Programme (CPP) volunteers at our community level. They acknowledged that the message was very timely in prompting evacuation actions.

The project inception workshop with newly appointed local government stakeholders has been completed to ensure the smooth execution of our project.

We have successfully established a social media platform to engage a broader audience and volunteer who may have an interest in utilizing our innovative tools. Platform link:

<https://www.facebook.com/disasteralertforbd>

3. Implementation Progress

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planned for the subsequent month
Activity 1.1.1 Conduct baseline/situation analysis of the project (Feb 2024)	Completed	Completed	
Activity 1.1.2: Prepare database of shelter centres, hospital, relief centre, nearby volunteers etc. (March 2024)	In-Progress	completed	
Activity 1.1.2.3: Disseminate early warnings through app (Jan 2024 – Jan 2025)	In-Progress <ul style="list-style-type: none"> ● Practical Action disseminated two heat wave early warnings three times and three Cyclone Remal's early warning five times during the month of May 	In-Progress <ul style="list-style-type: none"> ● Practical Action disseminated two heat wave early warnings three times and three Cyclone Remal's early warning five times during the month of May 	

Activity 2.1.1: App updated for latest Android version (Jan 2024)	Completed	Completed	
Activity 2.1.2: Update features in App (how many users taking early actions based on the warning, how many users) (Jan 2024)	Completed	Completed	
Activity 2.1.3: Field Test of app (Feb 2024)	Completed	Completed	
Activity 2.1.4: Training and refresher at the field level (Mar – April 2024)	Completed <ul style="list-style-type: none"> • Training completed In-Progress <ul style="list-style-type: none"> • Draft report review on progress 	Completed <ul style="list-style-type: none"> • Training completed In-Progress <ul style="list-style-type: none"> • Draft report review on progress 	All of the training completion and final report submission
Activity 2.2.1: Provided advisories at household level through app (Jan 2024 – Jan 2025)	In-Progress <ul style="list-style-type: none"> • We have disseminated heat wave advisory and Cyclone Remal's advisory during the month of May 	In-Progress <ul style="list-style-type: none"> • We have disseminated heat wave advisory and Cyclone Remal's advisory during the month of May 	

Activity 2.2.2: Develop billboard/TVC/BCC materials (June 2024)	In-Progress <ul style="list-style-type: none"> We have started this activity 	In-Progress <ul style="list-style-type: none"> We have started this activity 	
Activity 2.3.1: User experience survey (Dec 2024)	Completed	Completed	
Activity 2.3.2: Development of results/info briefs (Jan 2025)	In-Progress <ul style="list-style-type: none"> 	In-Progress <ul style="list-style-type: none"> 	
Activity 3.1.1: Project inception workshop with relevant Government departments (Dec 2023)	In-Progress <ul style="list-style-type: none"> Local level workshop completed. 	In-Progress <ul style="list-style-type: none"> Next month for final report submission 	Final report submission
Activity 3.1.2: Training for UDMC members and CPP volunteer, especially women, on the types of information and advisory services provided and how to use them (Feb – Mar 2024)	In-Progress <ul style="list-style-type: none"> Four out of six training completed, rest will be completed next month 	In-Progress <ul style="list-style-type: none"> Four out of six training completed, rest will be completed next month 	All of the training completion and final report submission

Activity 3.1.3: Mock drill (May – Dec 2024)	In-Progress <ul style="list-style-type: none"> • TOR prepared for management approval to start the procurement 	In-Progress <ul style="list-style-type: none"> • TOR prepared for management approval to start the procurement 	
Activity 3.2.1: Meeting with UDMCs (Mar 2024 – Jan 2025)	In-Progress <ul style="list-style-type: none"> • Three advocacy events completed during May 	In-Progress <ul style="list-style-type: none"> • Three advocacy events completed during May 	
Activity 3.2.2: Advocacy events with different stakeholders (Mar 2024 – Jan 2025)	In-Progress	In-Progress	
Activity 3.2.3: Project closing workshop (Mar 2024 - Jan 2025) (Jan 2025) (Feb 2025)	In-Progress	In-Progress	

4. Results Framework Indicators Progress

PDO Indicator Description: Government agencies and Citizens who have access to climate-resilient solutions tested under the project (Number)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	118 Govt: 0 Citizens: 118	4622 Govt: 2240 Citizens: 2382	37,214
Date	29 Feb'24	30 Apr'24	31 May'24	15 Jan 2025
Comments	Up to 31 May'24 we have collected total 422 household data by door-to-door visit and we have collected their android phone information. It is an impact level indicator and will provide final measure later.			
Output Indicator Description: Number of people trained (in person) (by sex, country, topic, year, participant category)				
Value	0	0	52	375
Date	29 Feb'24	30 Apr'24	31 May'24	
Comments	We have initiated our training program, and as of May 31, 2024, 52 participants have completed in-person training sessions			
Output Indicator Description: Number of people trained (online) (by sex, country, topic, year, participant category)				
Value	0	0	0	37,214
Date	29 Feb'24	30 Apr'24	31 May'24	

Comments	We didn't start any online training programme up to May 31, 2024. It will measure after intervention started.			
Output Indicator Description: Number of knowledge products provided (by type of product, theme, country)				
Value	0	0	1	5
Date	29 Feb'24	30 Apr'24	31 May'24	
Comments	We have developed one knowledge product in Bengali to inform the local community about how our application functions			
Output Indicator Description: Number of people / organizations provided with knowledge products (by recipient category, type of knowledge product, country, theme)				
Value	0	0	52	37,214
Date	29 Feb'24	30 Apr'24	31 May'24	
Comments	We have just started developing and disseminate knowledge products. It will report and measure after full dissemination completion			
Output Indicator Description: Number of events supported (by type, year, theme, country)				
Value	0	0	3	10
Date	29 Feb'24	30 Apr'24	31 May'24	
Comments	We have provided support in organizing three local inception events in collaboration with the government			
Output Indicator Description: Number of people participating in supported events (by participant category, sex, year, theme, country)				
Value	0	0	52	
Date	29 Feb'24	30 Apr'24	31 May'24	
Comments	We have organized local stakeholder consultation meeting where total participants 52. Events photographs and attendance attached in the annexure			

5. Challenges, Lessons Learned and Way Forward

- Due to the extreme heatwave, the field team faced challenges during door-to-door data collection.
- Building rapport with the newly elected local body management and providing information about the project to seek their support without a previous relationship is a challenge.
- Arranging field movement for training amid Cyclone Remal presented a significant challenge.

Maintaining proper liaison and ensuring timely event completion within the government body poses a challenge

Annexures:



Project inception meeting at Sriula Union parishad



Project inception meeting at Gazirtek Union parishad



Project inception meeting at Char bhadrasan Union parishad

Annexes

Annex 1: [App Upgrade Service Agreement with SSL.pdf](#)

Annex 2: [Participants List and Event Report.docx](#)

Annex 3: [Event Report.docx](#)

Monthly Progress Report May 2024

Glossary

Project Title	means	Exact and full name of the project as defined in the Sub Grant Agreement
Project Code	means	A five-digit code assigned by ADPC
Partner Organization	means	The lead agency(ies) responsible for the implementation of the project
Key Achievements	means	The actual outcome or impact of your work, such as reaching a PDO, or outcome or output defined in the final and agreed Results Framework.
Implementation Progress	means	Implementation progress means the steps or actions taken to achieve the PDO or outcomes or outputs. In this case it would be the list of activities defined in the final and approved work plan
Challenges	means	The most significant and persistent areas of risk that affect the project's ability to achieve its objectives. Challenges could be related to managing the Sub Grant, sustaining development gains, coordinating with stakeholders, and implementing core management functions. Please also discuss the solutions to mitigate these risks.
Lessons Learned	means	Lessons learned are contextual or operational information that may affect planning and future performance. They highlight the insights gained from the activity's implementation practices and progress, such as staff feedback, stakeholder interviews, data analysis, and success stories. They also include any changes required by or support requested from ADPC or partners.



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