

July-September 2012

PROGRAM UPDATE

Piloting of Bay of Bengal Cyclones and Depression tracks and landfall for enhanced accuracy and improved lead time for disaster risk reduction in Nobo Jibon Program areas, Bangladesh

CONCURRENT MONITORING OF DEPRESSIONS, CYCLONE FORMATION AND TRACKING

Installation of Rainfall Observation System at Jaliapalong, Cox's Bazar

September 2012

The manual rain bucket and mobile phone has been handed over to the CARE Volunteers in Jaliapalong, Cox's Bazar to regular monitor the rainfall at the community level and upload the data to the web server through SMS. To validate the local level forecasts information, a web-based sms application has been set up to collect the community level rainfall observation on daily basis.

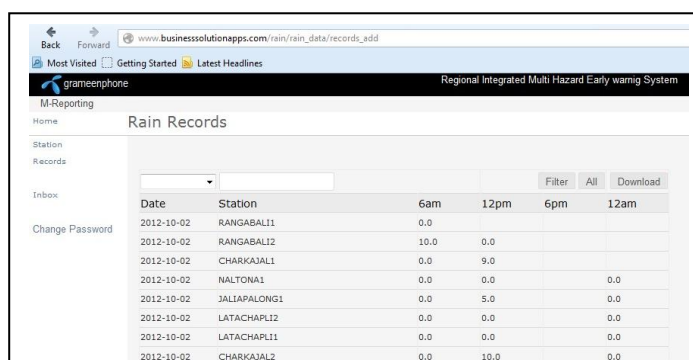


Rain Bucket & Cell Phone Handover

Data Assimilation of Local Observed Data with regular Model Output Data

August 2012

By community volunteers regular rainfall data is collecting from the 5 pilot sites. The data assimilation using local observed data is continuing at RIMES for enhancing the cyclone model forecasts.



Date	Station	6am	12pm	6pm	12am
2012-10-02	RANGABALI1	0.0			
2012-10-02	RANGABALI2	10.0	0.0		
2012-10-02	CHARKAJALI	0.0	9.0		
2012-10-02	NALTONA1	0.0	0.0		0.0
2012-10-02	JALIAPALONG1	0.0	5.0		0.0
2012-10-02	LATACHARLI2	0.0	0.0		0.0
2012-10-02	LATACHARLI1	0.0	0.0		0.0
2012-10-02	CHARKAJALI2	0.0	10.0		0.0

Community Level Data Collection System

PRE-IMPACT ASSESSMENT TOOL DEVELOPMENT AND CAPACITY BUILDING

Customization of Development of DSS (Decision Support System Tools) to Undertake Pre-Impact Assessment

September 2012

The impact assessment and decision support system Web-GIS based system interface has been developed and testing with past cyclone and storm surge data. This system will use severe cyclone forecast in 3 to 5 days in advance and using JMA storm surge model, and associate the severity (wind speed and surge height) and projected track with the stored historical cyclone database to identify the potential impact or risk zone at coastal belt of Bangladesh. The system will be capable to projecting impact outlooks along with suggestive response option (such as evacuation to shelters, critical road infrastructure during emergency, agro response etc). This information can be readily used by the local Government and different sectors in advance for decision making purposes.



PILOT APPLICATION OF TECHNOLOGY

Training on Capacity Building on Early Warning System for the CPP Volunteers at the Community Level

22-26, September 2012

RIMES together with BMD conducted early warning training session for the CPP volunteers in Galachipa Upazilla, Barguna Sadar Save the Children office and LataChapli in Kuakata. The objective of the training sessions were to build capacity of the CPP volunteers on cyclone and depression early warning system, BMD's 24/7 operational activities on cyclone and depression monitoring and emergency response. The partner NGOs and local Government officials also attended in the training session.



Training on EWS to the CPP volunteers

TRAVEL

RIMES staff has been travel to Bangladesh and pilot sites to conduct training for the CPP volunteers and installation of weather observation system.

UPCOMING ACTIVITIES: October- December,2012

- Provide weather and cyclone warning for the season;
- Training on Decision Support System at Community Level;
- Installation of tide gauge;
- Documentation on lessons learned in one year.