

# October-December 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

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### CONCURRENT MONITORING OF DEPRESSIONS, CYCLONE FORMATION AND TRACKING

#### **Continuation of customized WRF model to generate location specific EWS & verification system**

RIMES meso-scale modeling product developed through customizing Weather Research Forecasting (WRF) Model products continues to send all pilot areas. A feedback mechanism has been established through e-mail as well as local observations. The three days precipitation and wind speed forecasts is an experimental forecasts to generate locations specific risk information. These products may useful for daily weather observation as well as to bring a momentum to the volunteers and local authority on regular interactions and communications. Beside 7 days agro-met forecasts is sending to community for agriculture decision making.

#### **Demographic Data Collection and Data analysis**

RIMES has collected all latest demographic data for 5 pilot sites. Most of the local government offices are using 1991 years data set as base year. RIMES surveyed and collected 2011 census demographic data and shared with the local government as well which may help to identify the real scenario of local beneficiaries and socioeconomic conditions. RIMES is also pursuing for some economic and agriculture data for the pilot areas.

## PRE-IMPACT ASSESSMENT TOOL DEVELOPMENT AND CAPACITY BUILDING

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

September- December 2012

The pre-impact assessment tool (DSS) is still in development stage. RIMES plan to demonstrate this in the month of March 2013.



## PILOT APPLICATION OF TECHNOLOGY

### Site Selection Process of Storm Surge Gauge

To forecast inundation and storm surge a surge gage will be install near the pilot areas. RIMES conducted several survey to find the best suitable place for installation of the automatic surge gauge. 3 primary sites has been selected. Those are 1) Koirā, 2) Hizla, Barisal and 3) Kaukhali, Pirojpur. In the next quarter the gauge will be install and oepritional.

## TRAVEL

RIMES staff has been travel to Bangladesh and pilot sites to assess the site for the tide gauge installation.

### UPCOMING ACTIVITIES: January- March,2013

- Installation of storm surge gauge in the pilot area.
- Enhance BMD's capacity on inundation model for the selected areas to combine with WRF output and decision support system tool.
- Training on Decision Support System at Community Level in March 2013.