

## NDRRMC UPDATE

### FINAL REPORT re Effects of Tropical Depression "BISING"

Releasing Officer:

  
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**DATE: 11 - 13 January 2013**

Sources: PAGASA, DSWD, DPWH, AFP, PCG, PNP, OCDRCs V, VIII, XI, XII, CARAGA, and ARMM

#### I. SITUATION OVERVIEW

##### A. Chronology and Tracking

###### 11 January 2013

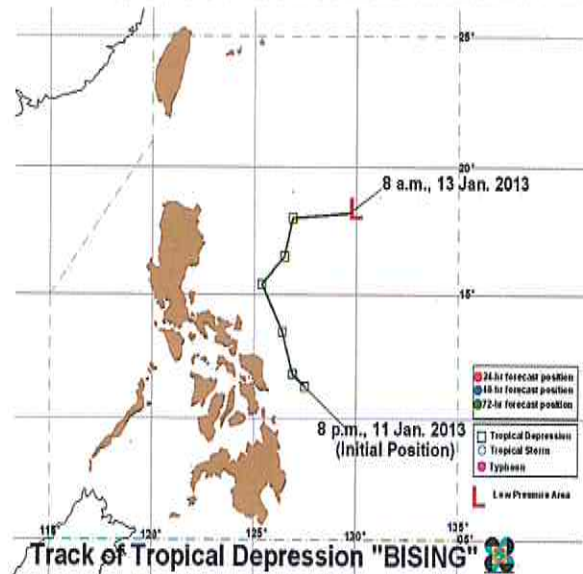
- A Low Pressure Area (LPA) East of Surigao City developed into a Tropical Depression and was named "BISING" at 170 km East of Guiuan, Eastern Samar

###### 12 January 2013

- Tropical Depression (TD) "BISING" maintained its strength as it continued to move North Northeast direction

###### 13 January 2013

- TD "BISING" weakened into a Low Pressure Area (LPA)



##### B. Tropical Cyclone Analysis

In summary, Tropical Depression "BISING" developed and remained a low pressure area for a longer period of time. As a matter of fact, it stayed as an LPA for three (3) days before finally developing into a Tropical Depression for two (2) days. While it was still an LPA, it already had its effects in Mindanao causing a number of cities and municipalities to be flooded. Also, some roads and a bridge in different areas were deemed impassable due to the heavy rains brought about by the LPA.

TD "BISING" had an average speed of 13 - 22 kph and strength of 45 kph throughout its duration. It had an average rainfall of 5 - 15 mm per hour (moderate to heavy) within its 300 km diameter.

Public Storm Warning Signal Number 1 was raised in Camarines Sur, Catanduanes, Albay, Sorsogon, Camarines Norte, and Northern, Eastern and Western Samar.

Before exiting the PAR, TD "BISING" weakened into an LPA.

## II. EFFECTS

### A. Incidents Monitored (Tab A)

- A total of **seven (7) incidents** were monitored as effects of the Tropical Depression "BISING": **Six (6)** flashflood incidents and **one (1)** landslide incident

### B. Affected Population (Tab B)

- A total of **5,454 families / 16,801 individuals** were affected by flooding in **66** barangays of **7** municipalities and **2** cities in **7** provinces of **Regions XI, XII and CARAGA**
- Of the total population affected by TD "BISING", **2,756 families / 7,880 persons** were displaced and take refuge to **25** evacuation centers (CARAGA)

### C. Status of Strandedees

- In total, **two hundred twenty-nine (229) passengers, thirty (30) rolling cargoes,** and **six (6) vessels** were stranded in the ports of Bicol

### D. Status of Lifelines

#### • Roads and Bridges

- Throughout the course of TD "BISING", **five (5) roads and one (1) bridge** were damaged and were temporarily closed to the public:

LOCATION	STATUS
<b>Surigao del Sur</b>	
Pagmam-an Bridge in Brgy. San Jose, Bislig	- Not Passable due to heavy rains - Clearing operations - Trips are rerouted via San Francisco, Agusan del Sur
National Highway in Brgy. San Vicente-Poblacion, Barobo	- Not Passable due to flooding
National Highway in Brgy. Dughan-Poblacion, Tagbina	
<b>Agusan del Sur</b>	
Barangay Road in Brgy. Segovia, Talacogon	- Not Passable due to flooding
Barangay Road in Brgy. Lapura, Talacogon	
Poblacion - Brgy. Nuevo Trabajo Road, San Luis	

- The above-mentioned roads and bridge are now passable

### E. Cancelled Flights

- **Thirty-five (35) domestic flights** were cancelled in the entire duration of TD "BISING"

### F. Cost of Damages

- An estimated amount of **PhP1,500,000.00 damages in infrastructure** was reported in Nurcia Integrated School Science Laboratory, Lanuza, Surigao del Sur

## **G. Declaration of State of Calamity**

- The Municipality of Norala was declared under the State of Calamity due to severe flooding in the area

## **III. ACTIONS TAKEN**

### **EMERGENCY PREPAREDNESS AND RESPONSE:**

#### **A. NATIONAL**

##### **NDRRMC**

- NDRRMC Operations Center was still on Red Alert Status and continuously monitored and disseminated Weather Bulletins/Advisories, Gale Warnings, General Flood Advisories, and 24-Hour Public Weather Forecasts to all RDRRMOs/OCDRCs through SMS, facsimile and websites for further dissemination to their respective Local Disaster Risk Reduction and Management Councils (LDRRMCs) from the provincial down to the municipal levels; and directed RDRRMCs concerned through the OCD Regional Offices to undertake precautionary measures in their respective areas of responsibility (AOR)

##### **PAG-ASA**

- Disseminated Weather Advisories, provided media interviews re weather update and continuously monitored the weather disturbance

##### **DPWH**

- **DPWH CARAGA together with LC Ting Construction** conducted clearing operations of landslide debris in National Highway of Brgy. Nurcia, Lanuza, Surigao del Sur due to landslide and repair of the detour of Pagmam-an Bridge in Brgy. San Jose, Bislig City, Surigao del Sur damaged by continuous rains

##### **PIA**

- Continuously assisted the RDRRMC in disseminating advisories as well as in providing situational update to the general public through its 172 networks
- **PIA Action Officer of Region VIII** disseminated weather advisory through SMS InfoBoard to list of recipients for the seven (7) provinces and six (6) cities

##### **PCG**

- Continuously monitored all developments and effects of TD "BISING"
- **PCG Stations in Eastern Visayas** alerted fishermen and other vessels not to venture out into the sea
- **PCG Units in the area**, where PAGASA detected the presence of TD "BISING", were placed on heightened alert to ensure preparedness and strictly monitored/enforced directives on prohibiting/regulating movement of vessels on the area
- Remained on the Alert Status for any possible effects of the weather disturbance and to ensure preparedness when situation got worse

##### **PNP**

- Informed/warned community leaders on necessary disaster preparations/actions
- Coordinated with the local DRRMC and OCD IV-B
- **PNP PRO 8, PCR CAB** advised lower units to be on standby for possible deployment

- Continuously monitored and disseminated information by all Provincial Police Offices
- Conducted clearing operations in major thoroughfares and highways in coordination with DPWH and LGU
- Forward deployment and repositioning of Search and Rescue (SAR) assets
- Alerted respective Disaster Incident Management Task Group (DITMG) for possible activation
- Provided assistance in the evacuation of affected residents and deployed personnel at the evacuation centers

#### **AFP**

- **NAVFORSOL** advised all floating assets to take all necessary precautionary measures
- **Organic/OPCON DRRUs** were alerted and continuously monitored the situation
- **8<sup>th</sup> Infantry Division, TOG8-PAF Response Team and TOG5-PAF** were on standby for possible deployment
- **TOG-PAF** placed one (1) DRU team with SAR equipment on standby alert

### **B. REGIONAL**

**RDRRMC V, VIII, XI, XII, CARAGA, and ARMM (BASULTA)** continuously disseminated Weather Bulletins/Advisories, Gale Warnings, General Flood Advisories, and 24-Hour Public Weather Forecasts to RDRRMC members/support agencies, PIA, LDRRMCs, and media through facsimile/InfoBoard/SMS, and uploaded the same to the OCD-RDRRMC facebook to ensure public safety and achieve zero casualty; coordinated with local DRRMCs 24/7 re weather situation in AORs; and advised residents to be vigilant for possible flashflood and landslides

#### **REGION V**

- **OCD V Operations Center and RDRRMC Bicol - Member Agencies** were placed on Blue Alert Status
- Continuously monitored and closely coordinated with LDRRMCs for any reports on related incidents in respective AOR's

#### **REGION VIII**

- **RDRRMC/OCD VIII** advised the media and concerned LDRRMCs to take appropriate actions
- **PDRRMO Leyte** are on standby for possible deployment
- **PDRRMO Southern Leyte** disseminated advisories through Smart Info Board
- **Llorente and Guiuan, Eastern Samar Emergency Response Teams** were on standby for any eventualities

#### **REGION XI**

- **MDRRMC Montevista** conducted evacuation of the families affected by floodings and monitored the incident
- **MDRRMC Pantukan** started its clearing operations on 07 January 2013 morning on the reported damaged road

#### **REGION XII**

- **RDRRMC/OCD XII** continuously monitored the situation and coordinated with concerned CDRRMC
- **MDRRMC Glan Quick Response Team** immediately responded and evacuated families affected by the flashflood in Glan, Sarangani Province; provided

immediate relief assistance like rice and canned goods to affected families; continuously monitored and coordinated with the MDRRMO; and facilitated the return of evacuees to their homes

- **CDRRMC General Santos** conducted ocular survey and continuously monitored the situation
- 07 January 2013, 11:00 AM, DANA was conducted on the affected barangays
- Temporary barriers were made through bayanihan to control overflowing of water at Barangay Matapol
- 08 January 2013, 8:20 AM, the Incident Commander contacted the Water District through Engineer Gellangarin and instructed to monitor the exposed water pipes and to cover it immediately. Backhoe and dump truck were dispatched
- 08 January 2013, 9:25 AM, Engineer Dumagan dispatched a team from Kagandahan GenSan for trimming and clearing operations at Royeca Subdivision
- 08 January 2013, 10:00 AM, the Incident Commander dispatched fifty-five (55) personnel from the Philippine Army and thirty-five (35) from the Philippine National Police for clearing operations at Baluan, General Santos City
- 09 January 2013, Sangguniang Bayan convened and discussed the Declaration of State of Calamity of the Municipality of Norala

#### **CARAGA**

- LGUs were closely monitoring the status of water level in all waterways and tributaries that might cause or trigger flashfloods in their AORs
- On 10 January 2013, Surigao City, Province of Dinagat Islands and Esperanza, Agusan del Sur raised Alert Level 1, while Butuan City raised Alert Level 2 upon recommendation of PAGASA. On 11 January 2013, 4:00 PM, Butuan City further raised their alert level to Alert Level 3 due to the continuous rising of the water level in Agusan River at 2.7 meter
- **The Province of Dinagat Islands** advised suspension of classes in pre-school and elementary levels as part of their local protocol during Alert Level 1
- **Local Search and Rescue Teams** were on standby for possible deployment to affected areas
- **Butuan City Health Office** deployed medical teams to designated evacuation centers to provide medical and health services to the evacuees
- **CSWD** started packing relief goods for immediate distribution to affected evacuees
- **PDRRMC Surigao del Sur** convened for an emergency meeting on 9 January 2013

#### **ARMM-BASULTA**

- **NSRC Volunteers and Risk Reduction Initiative Volunteers** were on alert mode
  - **Liaison Officers** were closely monitoring the situation in the area
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**EFFECTS OF TROPICAL DEPRESSION "BISING"**  
**INCIDENTS MONITORED**  
**11 - 13 January 2013**

REGION / PROVINCE	DATE/TIME	INCIDENTS / EFFECTS	REMARKS / ACTIONS TAKEN
<b>TOTAL INCIDENTS MONITORED (7)</b>			
<b>REGION XI</b>			
Compostella Valley Province			
Montevista	07 January 2013 3:00PM	On or about 3:00 PM, 06 January 2013, a flooding incident occurred in the province of Compostella Valley brought about by continuous rains caused by the LPA. As a result, at around 7:00 PM, thirty (30) families from Barangay New Visayas and another thirty (30) families from Barangay Banaganag were displaced  Compostella Valley was damaged, rendering it impassable	Affected families were evacuated to a chapel and Lingap Relocation Site
<b>REGION XII</b>			
Sarangani Province			
Glan	07 January 2013	A flashflood incident occurred in Barangay Pangani, Glan, Sarangani Province caused by the overflowing of the waterways. The flooding affected eighteen (18) families	As of 08 January 2013, all affected families returned to their respective homes
South Cotabato			
General Santos City	06 January 2013	On or about 1:00 PM, 07 January 2013, roads in Barangays Lagao, Dadiangas Heights, Baluan and Bula of General Santos City were flooded due to overflowing of canals caused by the LPA, affecting 573 families of Barangay Baluan and Barangay Lagao	Two (2) of the affected families evacuated to the barangay hall of Barangay Baluan and Barangay Lagao
Norala	06 January 2013 3:00AM	Heavy rains poured in Norala, South Cotabato and caused Papaya Creek at Barangay Poblation to overflow resulting to the overflowing of other low-lying creeks in nearby barangays, affecting all of the seven (7) barangays of the municipality	Damages on agricultural crops, a bridge and properties were reported and were assessed by the MDRRMC
<b>CARAGA</b>			
Agusan del Norte			
Butuan City	09 January 2013	CDRRMC Butuan City reported a rise of two (2) meters above sea level of Agusan River. Flood Alert Level 1 was raised in Butuan City. No untoward incidents reported	Residents were advised to be vigilant for possible flashflood, landslide and to prepare for possible pre-emptive evacuation
Agusan del Sur			
Adlayan and Hubang Rivers	10 January 2013	Adlayan and Hubang Rivers in Agusan del Sur overflowed due to continuous rains	
Surigao del Sur			
Lanuza	10 January 2013 4:00AM-5:00AM	Around 4:00 AM- 5:00 AM of 10 January 2013, a landslide occurred in Brigy. Nurcia, Lanuza, Surigao del Sur. As a result, a section of the National Highway is impassable and the Science Building of Nurcia Integrated School was damaged	

**EFFECTS OF TROPICAL DEPRESSION "BISING"  
AFFECTED POPULATION  
11 - 13 January 2013**

Region/Province/ Mun/City	AFFECTED			No. of Evac Centers	Inside Evacuation Centers		Outside Evacuation Centers		TOTAL SERVED - CURRENT (Inside + Outside)	
	Brgys	Families	Persons		Families	Persons	Families	Persons	Families	Persons
<b>GRAND TOTAL</b>	<b>66</b>	<b>5,454</b>	<b>16,801</b>	<b>25</b>	<b>2,756</b>	<b>7,880</b>	<b>-</b>	<b>-</b>	<b>2,756</b>	<b>7,880</b>
<b>REGION XI (DAVAO REGION)</b>	<b>2</b>	<b>60</b>	<b>300</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
COMPOSTELA VALLEY	2	60	300	0	-	-	-	-	-	-
MONTEVISTA	2	60	300							
<b>REGION XII (SOCCSKSARGEN)</b>	<b>12</b>	<b>1,133</b>	<b>2,895</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
SARANGANI	1	18	90	0	-	-	-	-	-	-
GLAN	1	18	90							
<b>SOUTH COTABATO</b>	<b>11</b>	<b>1,115</b>	<b>2,805</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
GENERAL SANTOS CITY (DADIANGAS)	4	573	2,805							
NORALA	7	542								
<b>REGION XIII (CARAGA)</b>	<b>52</b>	<b>4,261</b>	<b>13,606</b>	<b>25</b>	<b>2,756</b>	<b>7,880</b>	<b>-</b>	<b>-</b>	<b>2,766</b>	<b>8,581</b>
AGUSAN DEL NORTE	36	3,823	11,470	22	2,544	7,179	-	-	2,554	7,880
BUTUAN CITY	35	3,813	11,420	22	2,554	7,880			2,554	7,880
LAS NIEVES	1	10	50							
<b>AGUSAN DEL SUR</b>	<b>5</b>	<b>251</b>	<b>1,014</b>	<b>1</b>	<b>25</b>	<b>125</b>	<b>-</b>	<b>-</b>	<b>25</b>	<b>125</b>
SAN LUIS	5	251	1,014	1	25	125			25	125
<b>SURIGAO DEL NORTE</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
MALIMONO	10									
<b>SURIGAO DEL SUR</b>	<b>1</b>	<b>187</b>	<b>1,122</b>	<b>2</b>	<b>187</b>	<b>576</b>	<b>-</b>	<b>-</b>	<b>187</b>	<b>576</b>
LANUZA	1	187	1,122	2	187	576				

AFFECTED AREAS	
REGIONS	3
PROVINCES	7
CITIES	2
MUNICIPALITIES	7
BARANGAYS	66