



REPUBLIC OF THE PHILIPPINES
NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

NDRRMC UPDATE

**SitRep No. 09 re Magnitude 6.0 Earthquake
in Wao, Lanao del Sur**

Releasing Officer:


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Executive Director, NDRRMC and
Administrator, OCD

DATE : 20 April 2017, 8:00 AM

Sources: DOST-PHIVOLCS, DSWD, DPWH, OCDROs X and ARMM

I. SITUATION OVERVIEW:

- At 5:21 AM, 12 April 2017, a moderate earthquake of magnitude 6.0 shook the island of Mindanao. The epicenter is located 13 km northwest of Wao, Lanao del Sur at a depth of 1 km. The earthquake was generated by the movement of a northwest trending active fault in the area.
- Small-magnitude earthquakes followed afterwards, and as of **6:00 AM of 18 April 2017, 471 aftershocks** have been recorded by PHIVOLCS seismic monitoring network. The following are the recorded earthquakes/aftershocks, with the magnitude 4.0 and above, which occurred in the municipality since 12 April 2017:

Magnitude	Origin	Date/Time	Depth
Ms 4.6	Tectonic	12 Apr 2017 - 01:01:58 PM	12 km
Ms 5.3	Tectonic	13 Apr 2017 - 04:01:04 AM	6 km
Ms 4.7	Tectonic	14 Apr 2017 - 07:20:02 PM	1 km
Ms 4.7	Tectonic	14 Apr 2017 - 10:02:51 PM	1 km
Ms 4.4	Tectonic	16 Apr 2017 - 04:37:05 AM	1 km
Ms 5.3	Tectonic	16 Apr 2017 - 04:40:55 AM	1 km

- The following are the reported intensities and instrumental intensities:

Reported Intensities	Intensity VII - Wao, Lanao del Sur; Kalilangan, Bukidnon Intensity VI - Amai Manabilang, Lanao del Sur Intensity V - Banisilan, Cotabato; Pangantukan, Bukidnon Intensity IV - Cagayan de Oro City; Davao City; Cotabato City; Iligan City; Ginoog City, Misamis Oriental; Matalam, North Cotabato; Valencia and Maramag, Bukidnon Intensity III - Kabacan and Arakan, North Cotabato; Lebak, Sultan Kudarat; Pikit, Cotabato; Quezon and Don Carlos, Bukidnon Intensity II - Kidapawan City; Koronadal City; Tagum City; Antipas and Carmen, Cotabato; Pres. Roxas, North Cotabato; Camiguin
Instrumental Intensities	Intensity III - Cagayan de Oro City; Kidapawan City Intensity I - General Santos City

II. EFFECTS:

A. AFFECTED POPULATION

1. To date, a total of 1,342 families / 5,765 persons were affected in the Provinces of Lanao del Sur and Bukidnon. Of which, 1,135 families / 4,862 persons were affected in thirteen (15) barangays in Wao, Lanao del Sur and 207 families / 903 persons affected in eight (8) barangays in Kalilangan, Bukidnon:

PROVINCE / MUNICIPALITY		BARANGAY	NO. OF FAMILIES	NO. OF PERSONS
ARMM			1,135	4,862
Lanao del Sur	Wao	Panang	137	464
		Buntongan	61	298
		West Kili-Kili	137	632
		East Kili-Kili	58	316
		Serran	131	347
		Manila Group	34	162
		Bangan	6	19
		Western Wao	38	230
		Park Area	207	727
		Extension	126	576
		Muslim Village	77	454
		Balatin	19	112
		Mimbuaya	53	285
		Eastern	27	124
Christian Village	24	116		
REGION X			207	903
Bukidnon	Kalilangan	Central Poblacion	23	117
		Kinura	7	33
		Macaopao	52	243
		Malinao	25	114
		Ninoy Aquino	52	215
		Pamotolon	8	62
		Public	25	72
		West Poblacion	15	47
GRAND TOTAL			1,342	5,765

2. A total of 53 families / 231 persons were served inside four (4) identified evacuation centers in Kalilangan, Bukidnon. Of which, 17 families / 28 persons stayed in their relative's houses:

BARANGAY	EVACUATED POPULATION		NAME OF EVACUATION CENTERS
	Families	Persons	
Central Poblacion	6	34	- KCES Oval Ground
	5	15	- Municipal Covered Court
Public	5	21	- Relative's Houses
Macaopao	23	137	- Brgy. Plaza
Malinao	12	7	- Relative's Houses
Pamotolon	2	17	- Central School
TOTAL	53	231	

B. DAMAGE TO INFRASTRUCTURES

1. The following structures/buildings sustained damages due to the earthquake:

PROVINCE	MUNICIPALITY / BARANGAY	STRUCTURE	REMARKS
Lanao del Sur	Brgy. Panang, Wao	4 Masjid (place of worship)	2 Partially and 2 Totally damaged
	Brgy. East Kili-Kili, Wao	3-storey Pension House	Partially damaged
	Brgy. Francfort and Salam, Amai Manabilang	2 Masjid	Partially damaged
	Brgy. Park Area, Wao	Masjid fence	Partially damaged
		Multi-Purpose Building	
		Barangay Hall	
	Brgy. Balatin, Wao	2 Masjid	Partially damaged
		Barangay Hall	
		Health Center	
	Brgy. Serran Village, Wao	Church	Partially damaged
	Brgy. Buntongan, Wao	Church	Partially damaged
		Masjid	
	Brgy. West Kili-kili, Wao	2 Churches	Partially damaged
	Wao	Wao District Hospital	Partially damaged; patients are currently staying in the hospital's open grounds
	Brgy. East Kili-Kili, Wao	3-storey Pension House	Partially damaged
	Brgy. Western, Wao	Masjid	Partially damaged
		Multi-Purpose Building	
	Brgy. Mimbunya, Wao	Masjid	Partially damaged
		Barangay Hall	
	Brgy. Eastern, Wao	Church	Partially damaged
		Nutri-post	
		Market Stall	
	Brgy. Christian Village	Church	Partially damaged
	Brgy. Kadingilan, Wao	Barangay Hall	Partially damaged
	Brgy. Extension, Wao	Coop Building	Partially Damaged
Bukidnon	Brgy. West Poblacion, Kalilangan	Sangguniang Bayan Building	Heavily damaged
		Municipal Building	Minor cracks
		Terminal	Minor cracks
		Kalilangan Bukidnon Provincial Hospital	Slightly damaged
	Brgy. Macaopao, Kalilangan	Barangay Hall	Slightly damaged
	Brgy. Central Poblacion, Kalilangan	Barangay Hall	Slightly damaged
	Brgy. Ninoy Aquino, Kalilangan	Barangay Hall	Slightly damaged

PROVINCE	MUNICIPALITY / BARANGAY	STRUCTURE	REMARKS
	Brgy. Public, Kalilangan	Barangay Hall	Minor cracks
	Brgy. Canituan	Barangay Hall	Minor cracks

2. A total of **fourteen (14) schools** were reported damaged in the Provinces of Lanao del Sur and Bukidnon:

PROVINCE	BARANGAY / MUNICIPALITY	SCHOOL	REMARKS
Lanao del Sur	Brgy. Panang, Wao	1. Panang National Highschool	Collapsed ceiling and cracked walls
	Brgy. Serran Village, Wao	2. Serran Elementary School	Partially damaged
	Brgy. Sumugot, Amai Manabilang	3. Sumogot Elementary School	Partially damaged
	Brgy. West Kili-kili, Wao	4. Kili-kili Elementary School	Partially damaged
	Brgy. Balatin, Wao	5. Balatin Primary School	Partially damaged
	Brgy. Banga, Wao	6. Day Care Center	Partially damaged
	Brgy. Mimbuaaya, Wao	7. Mimbuaaya Primary School	Partially damaged
	Brgy. Eastern, Wao	8. Day Care Center	Partially damaged
	Brgy. Kandingilan, Wao	9. Kandingilan Primary School	Partially damaged
Bukidnon	Brgy. Ninoy Aquino, Kalilangan	10. Kalilangan National Highschool	Minor cracks
		11. Kimgating Elementary School	Minor cracks
	Brgy. Macaopao, Kalilangan	12. Macaopao Elementary School	3 classrooms incurred minor cracks
		13. Agaton Elementary School	5 classrooms are partially damaged
	Brgy. Central Poblacion, Kalilangan	14. Kalilangan Central Elementary School	Damaged perimeter fence

C. INCIDENTS MONITORED

1. **Landslides** were reported in the vicinity of Brgy. Sumugot, Municipality of Amai Manabilang, Lanao del Sur.

D. DAMAGED HOUSES

1. A total of **869 houses are damaged** in the Provinces of Lanao del Sur and Bukidnon:

PROVINCE	MUNICIPALITY	DAMAGED HOUSES		
		PARTIALLY	TOTALLY	TOTAL
Lanao del Sur	Wao	749	49	798
Bukidnon	Kalilangan	68	3	71
GRAND TOTAL		817	52	869

Sources: DSWD, OCDROs ARMM and X

E. STATUS OF LIFELINES

1. POWER AND WATER SUPPLY

- a. At 5:21 AM, 12 April 2017, power and water supply in the municipality was interrupted. Power supply returned at 3:00 PM and water supply resumed at 12:00 NN, both of the same day.

2. ROADS AND BRIDGES

- a. The following roads and bridges incurred damages due to the earthquake:

AREA / ROAD / BRIDGE		STATUS	REMARKS
Lanao del Sur			
Wao	National Highway in Brgy. Panang	Passable	Partially damaged (cracks)
Amai	National Highway in Brgy. Francfort	Passable	Partially damaged (cracks)
Bukidnon			
Cogo, Macaopao	Kalilanga-Lampanusan Road Section	Passable	Damage of Portland Cement Concrete pavement (both lanes)
	Malatipay Bridge	Passable	Hairline cracks along abutment
Olayan, Malinao	Junction Maradugao-Camp Kibaritan-Dominorog Road Section	Passable	Soil failure at shoulder side
Brgy. Ninoy Aquino, Kalilangan	Local road near Kalilangan National Highschool	Passable	landslide
	Ninoy Aquino Bridge	Passable	Minor cracks at bottom girder
Brgy. Public, Kalilangan	Road in Purok 8	Not passable to heavy vehicles	With cracks (2 to 6 inches)

F. DECLARATION OF STATE OF CALAMITY

1. The following municipalities were declared under the State of Calamity due to the damages caused by the earthquake:

MUNICIPALITY	RESOLUTION NO.	DATE
Municipality of Wao (Lanao del Sur)	No. 20	17 April 2017
Municipality of Kalilangan (Bukidnon)	No. 2017-153	17 April 2017

III. DISASTER RESPONSE

A. NATIONAL

1. National DRRM Operations Center (NDRRMOC)

- a. Immediately disseminated the earthquake information to OCDRO ARMM and other concerned stakeholders through facsimile, SMS, website and twitter account for further dissemination to their respective local DRRMCs. Moreover, advised them to undertake precautionary measures and to monitor the situation for any possible effects of said earthquake particularly in areas with reported intensities.

2. DOST-Philippine Institute of Volcanology and Seismology (PHIVOLCS)

- a. Disseminated Earthquake Information No. 01, 02, 03, and 04 and is closely monitoring the situation and any new significant development will be immediately relayed to all concerned.
- b. Conducted an assessment on the affected areas in Wao and Amai Manabilang together with DOST-PHIVOLCS Cotabato Seismic Station.

3. Department of Social Welfare and Development (DSWD)

- a. DSWD-DROMIC is coordinating with DSWD Field Office (FO) X, XI, and XII for updates on the extent of damages and number of affected families in their areas of responsibility.
- b. DSWD Central Office, and FOs X, XI, and XII have a total stockpile and standby funds amounting ₱1,204,953.38, with breakdown as follows:

Stockpiles

A total of 114,319 Family Food Packs (FFPs) worth ₱54,932,289.55 and Food and Non-Food Items (NFIs) worth ₱93,598,483.83.

Standby Funds

A total of ₱1,204,134,953.38 standby funds are available at the Central Office and Field Offices. Of which, ₱1,006,928,394.10 is the Quick Response Fund.

- c. DSWD Central Office thru DSWD XII provided 200 FFPs to the affected families.
- d. DSWD Disaster Response Assistance and Management Bureau organized a Mission Team scheduled for a flight to Cotabato City on 18 April 2017 to bring additional relief items intended for the affected families.

4. Department of Public Works and Highways (DPWH)

- a. Coordinated with DPWH Regional Offices to check the status of public buildings and national roads/bridges in their area of responsibilities.

B. REGIONAL

1. REGION X

OCD X

- a. OCD-RDRRMC X coordinated with Local DRRM Council and DOST-PHIVOLCS regarding the earthquake incident.

DOH X

- a. Deployed response teams composed of three (3) Nurses, two (2) Engineers and three (3) Drivers to conduct Rapid Health Assessment
- b. Augmented fifty (50) folding beds, fifteen (15) tents, and twenty (20) Jerry cans amounting to ₱271, 200.00.

PDRRMC Bukidnon

- a. Provided generator set to MDRRMC Kalilangan.
- b. Conducting assessment on damaged infrastructures.
- c. Coordinating with 403rd Bde, Philippine Army for use of tents intended for the patients at Bukidnon Provincial Hospital-Kalilangan.

MDRRMC Kalilangan (Bukidnon)

- a. Personnel from Kalilangan Municipal Engineers Office, MDRRMO Rescue, and DPWH conducted an initial assessment in the municipality.

2. RDRRMC ARMM

OCD ARMM

- a. Coordinated with Local DRRM Council and DOST-PHIVOLCS regarding the earthquake incident.
- b. Provided the following Non-Food Items for the affected families in the Municipality of Wao:
 - 300 pcs of plastic pails
 - 100 pcs of Sakoline
 - 250 pcs of Water Containers
 - 2 Emergency Tents
 - 300 pcs of 1 liter bottled water
 - 300 pcs of plastic dipper

ARMM-Humanitarian Emergency Action and Response Team (ARMM HEART)

- a. Deployed personnel to assist in the conduct of damage assessment in the Municipalities of Wao and Amai Manabilang.

DOH ARMM

- a. Augmented tents for the patients in Wao District Hospital and provided jerry cans and water purifying tabs.

PDRRMC Lanao del Sur

- a. Augmented 2,000 packs of relief assistance (3 kilos of rice, 3 pcs of canned goods, 3 pcs instant noodles, 12 pcs instant coffee, and 1 kilo of sugar).

MDRRMC Wao (Lanao del Sur)

- a. Organized Rapid Damage Assessment and Needs Analysis (RDANA) Team composed of personnel from Municipal Engineering Office, PNP, AFP, Municipal Social Welfare and Development Office, Rural Health Unit, BFP, and MDRRMO.
- b. Recommended to the Sangguniang Bayan of Wao to declare a State of Calamity per MDRRMC Resolution No. 3, series of 2017 dated 13 April 2017.
- c. Provided 499 packs of relief goods for Brgys. West Kili-kili, East Kili-kili, Panang, Serran Village, and Extension.
- d. Distributed additional 51 food items to Brgy. Mimbunya and 73 food items in Muslim Village on 17 April 2017
- e. Distributed food packs together with MSWD to the following barangays on 19 April 2017:
 - 88 food packs in Serran Village
 - 24 food packs in Christian Village
 - 55 food packs in Western
 - 1 food pack in Extension
 - 28 food packs in Eastern

3. RDRRMC XI

DSWD FO XI

- a. Submitted Terminal Report indicating that there was neither reported damaged nor affected families in this incident.

4. RDRRMC XII

DSWD FO XII

- a. In close coordination with MSWDO and MDRRMO of Wao for further assistance needed.

IV. COST OF ASSISTANCE

To date, a total of **₱500,176.40** worth of assistance has been provided to the affected families in Wao, Lanao del Sur. Of which **₱252,394.40** was provided by the DSWD, while **₱247,782.00** was provided by the Municipality of Wao.
