




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. **02** re Magnitude 6.6 Earthquake in Cataingan, Masbate

Releasing Officer:


✓ **UNDERSECRETARY RICARDO B JALAD**
Executive Director, NDRRMC and
Administrator, OCD

DATE: 20 August 2020

Sources: DOST-PHIVOLCS, DPWH, DSWD, DepEd, and OCDROs CALABARZON, V, VI, VII, VIII, and X

I. SITUATION OVERVIEW

- An earthquake with a Magnitude of 6.6 occurred in **Cataingan, Masbate** with the following details:

Date/Time	18 August 2020 - 08:03:47 AM
Location	11.96°N, 124.03°E - 007 km S 29°E of Cataingan (Masbate)
Depth of Focus (Km)	021
Origin	TECTONIC
Magnitude	Mw 6.6
Expecting Damage	YES
Expecting Aftershocks	YES
Issued on	18 August 2020 - 09:30 AM
Reported Intensities	Intensity VII – Cataingan and Pio V. Corpuz, Masbate Intensity VI - Palanas, Dimasalang, Placer, & Esperanza, Masbate Intensity V – Masbate City, Cawayan, Baleno, Aroroy, and Mobo, Masbate; Almagro, and Tagapul-an, Samar Intensity IV –San Jacinto, Masbate; Almeria, Naval, Cabucgayan, Caibiran, Culaba, Kawayan, Maripipi, and Biliran, Biliran; Catarman, Mapanas and Palapag, Northern Samar; Iriga City, & Baao, Camarines Sur; Ormoc City, City of Tacloban, Babatngon, Barugo, Capoocan, Dagami, Dulag, Jaro, Julita, Kananga, La Paz, Palo, Pastrana, Tanauan, Tolosa, and Leyte, Leyte; Bulusan, Irosin, and Sorsogon City, Sorsogon; Ligao City and Legazpi City Albay; San Andres, Quezon; Cebu City; Bantayan, Madridejos, Santa Fe, and Talisay City, Cebu; Ivisan, and Roxas City, Capiz; Kalibo, Aklan; Sagay City, Negros Occidental Intensity III – San Pascual, Milagros, and Claveria, Masbate; Catbalogan City, Samar; City of Baybay, Abuyog, Hilongos, Isabel, Javier, and Matalom, Leyte; Naga City; Goa, and San Jose, Camarines Sur; Panganiban, Catanduanes; Mulanay, Quezon; San Julian, and Balangiga, Eastern Samar; Batan, Makato, Malinao, New

	<p>Washington, Numancia, & Tangalan, Aklan; City of Iloilo; Bacolod City; Bago City, Kabankalan City, Victorias City, and Binalbagan City, Negros Occidental; Daanbantayan, Cebu</p> <p>Intensity II - President Roxas, Capiz; Ibajay, Lezo, and Nabas, Aklan; Patnongon, San Jose de Buenavista, and Tibiao, Antique; Daet, Camarines Norte; Virac, Catanduanes; Guinayangan and Lopez, Quezon; Lapu-Lapu City; Mandaue City; City of Bogo, Cordova, Pinamungajan, and Sogod, Cebu; La Carlota City, Negros Occidental; Candijay, Bohol</p> <p>Intensity I –Dumaguete City, Negros Oriental; Sipalay City, Negros Occidental</p>
Instrumental Intensities	<p>Intensity V – Masbate City, Masbate</p> <p>Intensity IV – Naval Biliran; Palo, Leyte; Legazpi City, Albay; Iriga City, Camarines Sur; Roxas City, Capiz; Iloilo City</p> <p>Intensity III – Bago City, Negros Occidental; Malinao, Aklan; Pandan, Antique; Jamindan, and Tapaz, Capiz; Ormoc City</p> <p>Intensity II – Gumaca, Quezon; Sipocot, Camarines Sur; San Jose de Buenavista and Valderrama, Antique; Lapu-Lapu City; La Carlota City, and Sipalay City, Negros Occidental; San Francisco, Cebu; Talibon, Bohol</p> <p>Intensity I – Ibajay and Malay, Aklan; Ginoog City, Misamis Oriental</p>

- No tsunami threat exists based on available data.
- On 19 August 2020, 5:50 AM, an aftershock with a magnitude of Ms 5.2 was recorded at 11.92°N, 124.04°E - 012 km S 27° E of Cataingan, Masbate.

II. EFFECTS

A. AFFECTED POPULATION

A total of **66 families / 334 persons** were affected by this earthquake in the Province of Masbate. Of which, **11 families / 40 persons** are currently staying in the evacuation center.

REGION/PROVINCE/ MUNICIPALITY	NUMBER OF AFFECTED			NO. OF ECs	NUMBER OF DISPLACED	
	BRGY	FAMILIES	PERSONS		FAMILIES	PERSONS
GRAND TOTAL	7	66	334	1	11	40
REGION V						
Masbate	7	66	334	1	11	40
Cataingan	5	53	269	1	11	40
Palanas	1	12	60	-	-	-
Pio V. Corpuz (Limbuhan)	1	1	5	-	-	-

Source: DSWD Dromic Report No. 2 on Mg 6.6 Earthquake in Cataingan, Masbate as of 19 August 2020

B. CASUALTIES

A total of **one (1) dead** and **51 injured** persons were reported in the Province of Masbate (REGION V) due to the earthquake.

DEAD - 1			
NAME	AGE/SEX	ADDRESS	REMARKS
PCOL Gilbert Sauro (Ret.)	65 / M	Cataingan, Masbate	Due to collapsed structure
INJURED* - 51			

* Ongoing identification of injured persons

C. INITIAL DAMAGE REPORT

1. Damaged Houses

A total of **61** houses were reported damaged in the Province of Masbate. Of which, **26** were totally damaged and **34** houses were partially damaged.

AREA	TOTALLY	PARTIALLY
<i>Cataingan</i>	13	34
<i>Palanas</i>	12	-
<i>Pio V Corpuz</i>	1	-
Grand Total	26	34

Source: DSWD Dromic Report No. 2 on Mg 6.6 Earthquake in Cataingan, Masbate as of 19 August 2020

2. Damaged Schools (TAB A)

A total of **32** schools were reported damaged in the Province of Masbate.

Source: DepEd SitRep No. 2 re 6.6 Magnitude Earthquake in Cataingan, Masbate as of 19 August 2020

3. Other Infrastructure

Damage to public structures were reported in the Provinces of Masbate (REGION V) and Samar (REGION VIII).

REGION/PROVINCE/ MUNICIPALITY/CITY	INFRASTRUCTURE	REMARKS
REGION V		
Masbate		
Cataingan	Cataingan Astrodome and Municipal College	101 LSIs quarantined were relocated due to visible cracks in the facility.
	Cataingan District Hospital	Patients were evacuated outside the facility.
	Concrete road and docking area of Cataingan Port	-
	Public Attorney's Office Building	-
	Old and New Cataingan Public Market	-
	Cataingan Municipal Police Station	-
Dimasalang	DPWH Masbate 3rd DEO Building	Damages on walls, partitions, tiles, and glass door
	Dimasalang Port	Damaged concrete pavement
Palanas	Palanas Police Station Building	Damaged on columns, walls, and partitions
REGION VIII		
Samar	McDonald's, Gaisano Grand Mall, Calbayog City	Glass Panel

Note: Ongoing assessment and validation is being conducted.



Source: Philippine Information Agency, Region V

4. Cost of Damages

A total of **₱27,460,000.00** cost of damages to infrastructure was incurred in Region V due to the earthquake.

AREA	ROADS & BRIDGES (₱)	OTHER INFRASTRUCTURE (₱)	TOTAL (₱)
Masbate	14,610,000.00	12,350,000.00	26,960,000.00
Camarines Sur	500,000.00	-	500,000.00
TOTAL	15,110,000.00	12,350,000.00	27,460,000.00

Source: DPWH SitRep on Major Roads and Bridges due to 6.5 Earthquake in Masbate as of 19 August 2020, 7:00 PM

D. STATUS OF LIFELINES

Roads and Bridges

A total of **six (6) road sections and seven (7) bridges** in the **Provinces of Masbate and Camarines Sur** were reported damaged due to the incident. Warning signs were installed to inform motorists. As of 18 August 2020, **all roads and bridges were declared passable.**



Source: DPWH

Roads/Bridges	Status	Remarks
Masbate-Cataingan-Placer Road		
1. K0077+150, Domorog, Cataingan, Masbate	Passable	Damaged asphalt pavement. Installed road warning signs and road safety devices
2. K0034+920 – K0036+000 Quezon, Uson, Masbate	Passable	Damaged concrete pavement. Installed warning signs and road safety devices
3. K0062+547, Nabangig Bridge, Nabangig, Palanas, Masbate	Passable	Damage to expansion joint and asphalt pavement. Installed warning signs and road safety devices
4. K0070+680, San Pedro, Cataingan, Masbate	Passable	Transverse cracks on road section. Installed warning signs and road safety devices.
5. K0070+420, Gahit Bridge, Gahit, Cataingan, Masbate	Passable	Minor cracks noted
6. K0085+150-K0085+250, Matagangtang, Placer, Masbate	Passable	Longitudinal cracks on asphalt pavement. Installed warning signs and road safety devices.
7. K0035+040, Pinangapugan Bridge, Quezon, Uson, Masbate	Passable	Damaged abutment, cross girder, expansion joint and curb. Installed road warning signs and road safety devices.
8. K0022+080, Nipa Bridge, Nipa, Palanas, Masbate	Passable	Damaged slope protection of abutment A&B. Installed road warning signs and road safety devices
9. K0022+322, Impapanan Bridge, Armenia, Uson, Masbate	Passable	Damaged pile cap (jacketing) and slope protection. Installed road warning signs and road safety devices
10. K0022+080, Marcella Bridge, Marcella, Uson, Masbate	Passable	Damaged girder. Installed road warning signs and road

		safety devices
Cataingan – Poblacion Road		
11. K0075+836, Poblacion, Cataingan, Masbate	Passable	Damaged box culvert. Installed road warning signs and road safety devices
Camarines Sur 5th DEO		
12. Nabua – Balatan Road	Passable	
13. K0482+425, Panganiban Bridge, Nierva, Nabua, Camarines Sur	Passable	Minor damage at bank protection of Panganiban bridge. Installed road warning signs and road safety devices

Source: DPWH SitRep on Major Roads and Bridges due to 6.5 Earthquake in Masbate as of 19 August 2020, 7:00 PM

III. DISASTER RESPONSE

A. NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

1. National Disaster Risk Reduction and Management Operations Center (NDRRMOC)

- a. Immediately disseminated the Earthquake Information No. 1 and 2 to concerned OCD Regional Offices and other stakeholders through facsimile, Short Messaging System (SMS), website, and twitter account for further dissemination to their respective local DRRMCs. Moreover, advised the Regions to undertake precautionary measures and to monitor the situation for possible effects of the earthquake particularly in areas with reported intensities.
- b. Prepared the Emergency Alert and Warning Message (EAWM) for dissemination of Telecommunications Companies (TELCOs) to the affected areas.
- c. Disseminated Tsunami Information to concerned stakeholders through SMS.
- d. Continuous coordination with PHIVOLCS regarding the earthquake.

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

- a. Disseminated Earthquake Information No. 1 and 2 and Tsunami Information No. 1.
- b. Continuous monitoring of significant earthquake activity/development.

3. Department of Social Welfare and Development (DSWD)

- a. The DSWD Central Office, Field Offices, and National Resource Operations Center have prepositioned stockpiles and standby funds amounting to **₱1,503,322,272.24** with breakdown as follows:
 - **Standby Funds:** A total of **₱663,107,684.85** standby funds in the CO and FOs. Of the said amount, **₱619,916,550.34** is the available Quick Response Fund (QRF) in the CO.
 - **Stockpiles:** A total of 305,063 family food packs (FFPs) amounting to **₱149,450,385.03**, other food items amounting to **₱242,108,442.58**, and non-food items (NFIs) amounting to **₱449,204,010.06** are made available.
- b. The Disaster Response Management Bureau (DRMB) raised its alert status to BLUE.
- c. DSWD-DRMB Disaster Operations and Support Division (DOSD) continuously facilitates the downloading of funds to DSWD-Field Offices.
- d. DSWD-DRMB Preparedness and Response Division (PRD) in coordination with other DRMB divisions and concerned offices, is continuously monitoring and updating the status of the standby funds.

- e. DSWD-DRMB DOSD in coordination with other DRMB division and concerned offices, is continuously facilitating the replenishment of the standby funds.
- f. DSWD-DRMB is continuously coordinating with DSWD-FO V for significant disaster response updates.
- g. Placed all QRT members and emergency equipment on standby and ready for deployment.

4. Department of Public Works and Highways (DPWH)

- a. Continuous monitoring of national roads and bridges.
- b. Provided warning signages and ongoing post-earthquake assessment on national roads and bridges.

5. Southern Luzon Command, AFP

- a. Humanitarian Assistance Disaster Relief (HADR) and medical teams proceeded to Masbate City for possible Search and Rescue operations in the Municipalities of Cataingan and Palanas, Masbate.
- b. Provided one (1) aircraft at Masbate Airport for the conduct of Rapid Damage and Needs Assessment (RDANA).

6. Department of Education (DepEd)

- a. Furnished the Preparedness Measures for Earthquake to the regions and divisions through the social media platform.
- b. Coordinated with DRRM focal persons of affected regions and division for field situations and reports on infrastructure and non-infrastructure damages through submission of Rapid Assessment of Damages Report (RADaR).
- c. Continuously sent advisories and situation reports to the affected regions and divisions, and DepEd ExeCom.

B. Regional / Local Disaster Risk Reduction and Management Councils (R/LDRRMCs)

RDRRMCs **CALABARZON, V, VI, VII, VIII, and X** are continuously monitoring their respective Areas of Responsibility (AOR). Further, said RDRRMCs are in continuous coordination with their member agencies to ensure appropriate response actions, and widest dissemination of Earthquake Information through all means of communication.

1. RDRRMC CALABARZON

a. OCD CALABARZON

Continuously coordinated with PDRRMO Quezon and MDRRMOs to monitor their respective AOR and for any updates relative to the incident.

b. DPWH CALABARZON

Conducted assessment of national roads and bridges.

c. PDRRMOs

- a. Continuously coordinated with MDRRMOs to monitor their respective AOR.
- b. Continuously conduct monitoring and assessment within AOR.

MDRRMOs Gumaca, Lopez, and Mulanay, Quezon

- 1) Conducted assessment and validation on the possible effects of the earthquake.
- 2) Continuously conduct monitoring of AOR.

2. RDRRMC V

a. OCD V

- a. Coordinated with PHIVOLCS and Provincial Disaster Risk Reduction and Management Offices (PDRRMOs).
- b. Disseminated information relative to the earthquake through social media.
- c. Conducted aerial assessment at the 3rd District of Masbate.

b. DSWD FO V

- a. Provided initial report of the incident.
- b. DSWD V prepositioned stockpiles and standby funds as of 19 August 2020 detailed as follows:
 - a) A total of 22,705 food packs amounting to ₱9,274,982.40 and raw materials which include 82,000kgs NFA rice, 36,028 tins of Gold Cup Sardines, 36,028 tins of corned beef, and 115,741 sachet coffee amounting to ₱3,751,568.03 are available at DSWD Warehouse.
 - b) Non-food items containing 51 sets of tents, 5,494 boxes of sleeping kits, 1,089 boxes of family kits, 3,673 kitchen kits, 34,941 pcs of Malong, 921 rolls laminated sacks, 1,514 (10 meters) and 21,330 pcs blanket amounting to ₱24,926,132.90
 - c) Standby funds amounting to ₱3,001,050.00 to augment the response operation.

Location of Warehouse Area	No. of Family Food Packs
Bogtong, Legazpi City	21,314
Daet, Camarines Norte	2
Tigaon, Camarines Sur	505
Tugbo, Masbate City	884
Total	22,705

- c. Conducted assessment to identify the needs/requirements of the affected areas for possible augmentation.
- d. Resource Operation Section ensured the availability of FFPs and NFIs as the need arises.
- e. DRMD V continuously monitor the updates and information.
- f. Activated PAT and MAT members in Masbate and instructed to coordinate with the P/MDRRMOs and C/MSWDOs relative to the 6.5 Magnitude Earthquake reports and updates.

c. DOH RO V

- 1) Coordinated with PDO and PHO Masbate relative to the incident.
- 2) Placed Emergency Response Team on standby for possible deployment.
- 3) Posted advisories through DOH CHD Bicol Official Social Media Page.
- 4) Prepositioned a total of ₱50,000.00 worth of medicines to PDO and PHO Masbate, and 100 pcs of hygiene kits to PDO Masbate.
- 5) PDO Masbate closely coordinated with M/CHO, PDRRMO Masbate, and PHO HEMS for any update regarding the incident and conducted Rapid Health Assessment in the municipality of Cataingan.
- 6) PHO Masbate deployed medical team to the Municipality of Cataingan.
- 7) RHU Cataingan assisted in the relocation of LSIs quarantined at CMC and Cataingan Astrodome.
- 8) RHU Cataingan assisted and provided first aid to patients and also helped the MDRRMO in the preparation of damage report relative to the quarantine facility.

9) RHU Cataingan conducted facility assessment in 36 barangays of the municipality.

d. DA RFO V

- a. Conducted initial inspection of agricultural facility in Masbate City.
- b. Mobilized team for field validation of agricultural infrastructures and commodities affected by the earthquake.

e. DEPED V

Conducted initial assessment of damages to schools.

f. BFP RO V, PNP RO V, and PNP RO V

- a. Conducted SRR at the affected municipalities.
- b. Continuously monitor the incident within the AOR.

g. TOG5-PAF and 2IB Philippine Army

Conducted aerial assessment at the 3rd District of Masbate.

h. PDRRMC Masbate

- a. Conducted aerial assessment at the 3rd District of Masbate.
- b. Provided initial report on the effects of the earthquake.
- c. Local DRRM Offices attended to the medical needs of the people in the affected areas.

3. RDRRMC VI

- a. Issued RDRRMC Memorandum No. 167, s. 2020 regarding Assessment of Structural Integrity of Infrastructures in AOR due to the Magnitude 6.6 Earthquake in Masbate.
- b. Coordinated with the affected LGUs to monitor the effects of the earthquake within its respective AOR.

4. RDRRMC VII

Coordinated with PHIVOLCS Region VII and Local DRRMOs in Talibon, Bohol and San Francisco, Cebu.

5. RDRRMC VIII

a. OCD VIII

Coordinated with concerned Local Government Units (LGUs) and continuously monitors the incident.

b. PDRRMC Leyte, Biliran, Samar, Northern Samar, and MDRRMO Mapanas

- a. Ongoing ocular inspection within the AOR and coordinated with LGUs.
- b. Closely monitoring the incident within the AOR.

c. CDRRMC Catbalogan, Calbayog, MDRRMC Paranas, Daram, Sta. Rita, San Jorge, Marabut, and Almagro, Samar

Conducted ocular inspections in the affected areas.

d. MDRRMC San Jose de Buan, Samar

- a. Conducted ocular inspection in the affected areas.
- b. Ongoing assessment in far-flung areas.

6. RDRRMC X / OCD X

- a. Coordinated with LGU Gingoog City regarding the incident and verified reports with PHIVOLCS.
 - b. Closely monitoring the incident within the AOR.
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Effects of Magnitude 6.6 Earthquake in Cataingan, Masbate

DAMAGED SCHOOLS

As of 20 August 2020, 8:00 AM

AREA	SCHOOL	REMARKS
TOTAL	32	
REGION V	32	
Masbate	32	
Cataingan	Bel-is Elementary School	1 classroom affected
	Buracan Elementary School	2 classrooms affected
	Emilio S Boro Elementary School	3 classrooms affected
	Gahit Elementary School	2 classrooms affected
	Madamba Integrated School	3 classrooms affected
	Malobago Elementary School	2 classrooms affected
	Marcelo Anonuevo National High School	6 classrooms affected. Concrete stage was flattened
	Pawican National High School	2 classrooms affected
	Potenciano Abejero Elementary School	2 classrooms affected
	Quezon Elementary School	3 classrooms affected
	Busay Elementary School	1 classroom affected
	Badiang National High School	Major / Total Damage
	Liong Elementary School	4 classrooms affected
Batuan	Burgos Elementary School	3 classrooms affected
	Matabao Elementary School	4 classrooms affected
Cawayan	Tomas V Rivera National High School	1 classroom affected
	Villahermosa National High School	3 classrooms affected
Dimasalang	Mambog Elementary School	3 classrooms affected
	Buracan National High School	6 classrooms affected
Palanas	Rondina-Atendido National High School	4 classrooms affected
	T. Tambago Elementary School	5 classrooms affected
	Mabini Elementary School	3 classrooms affected
	San Carlos High School	Minor Damages
Pio V. Corpuz	Buenasuerte Integrated School	Light damage of office ceiling and school building
	Guindawahan Elementary School	6 classrooms affected
	Lampuyang Elementary School	5 classrooms affected
Placer	Celera-Inocencio Elementary School	2 classrooms affected (damaged roofing and firewall); covered court and bleachers were damaged
	Matagangtang National High School	8 classrooms affected
	Nainday Elementary School	3 classrooms affected
Milagros	Clemente Bajar Elementary School	2 classrooms affected
Uson	Badling Elementary School	Minor Damages
	Candelaria Elementary School	4 classrooms affected

Source: DepEd SitRep No. 2 re 6.6 Magnitude Earthquake in Cataingan, Masbate as of 19 August 2020