



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

Final Report re Preparedness Measures and Effects of Northeast Monsoon and Tail-end of a Cold Front in Regions II and CAR

Releasing Officer:

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Sources: : DOST-PAGASA, DSWD, DPWH, DA, RDRRMCs II and CAR

I. SITUATION OVERVIEW

A. Chronology and Tracking

1. Northeast Monsoon

PAGASA released a press statement on 24 October 2019, regarding the prevalence of strong to gale force northeasterly winds over the seaboard of Northern Luzon. The gradual cooling of surface air temperature over the Northeastern part of Luzon indicates the onset of Northeast Monsoon (Amihan) season in the country. Furthermore, the northeast wind flow was expected to become dominant over most parts of the country which may bring cold and dry air and surges of cold temperature in the next months.

On 20 March 2020, a gradual shift of wind direction from northeasterly to easterly over most parts of the country indicated the termination of Northeast Monsoon in the country.

2. Northeast Monsoon and Tail-End of a Cold Front (TECF)

On 05 – 13 December 2019 combined effects of the Surge of the Northeast Monsoon and TECF were experienced in some parts of Luzon and Visayas. It brought occasional to frequent heavy rains over Cagayan Valley and some parts of Ilocos Region and Central Luzon. While intermittent heavy rains were experienced over Northern Quezon and the rest of the Cordillera Administrative Region. Metro Manila and the rest of Luzon experienced partly cloudy to cloudy skies with isolated light rains caused by Northeast Monsoon. Impacts reported include: flashfloods or rain-induced landslides during severe thunderstorm and gusty conditions in coastal and mountainous areas.

On 10 December 2019, Tail-end of a Cold Front affected the Bicol Region and Eastern Visayas while Northeast Monsoon affected the rest of Luzon. Cloudy skies with scattered rainshowers and thunderstorms caused by Tail End of a Cold Front was experienced over Bicol Region, Quezon, and Samar provinces.

II. EFFECTS

A. Incidents Monitored

A total of **14 incidents** were reported in Region II.

REGION / PROVINCE / CITY/ MUNICIPALITY / BARANGAY		DATE OF OCCURENCE	REMARKS
REGION II			
Cagayan			
<i>Abulug</i>	Centro	06 December 2019, 6:00 PM and 07 December 2019, 7:00 AM	Soil erosion occurred affecting some residential areas due to continuous rains.
	Dana-Ili	05 December 2019, 1:00 PM	Soil Erosion
<i>Baggao</i>	Zone 2, Brgy. San Isidro	05 December 2019	Landslide along the riverbank and residential area.
	Hacienda Intal	05 December 2019	Landslide at the back of Hacienda Intal National High School and Brgy. Hall.
	Boundary of Assasi and Bitag Grande	05 December 2019	Landslide incident along National Road
<i>Lal-lo</i>	Centro	06 December 2019	Soil Erosion
	Catayauan	06 December 2019	Soil Erosion
	Sta. Maria	06 December 2019	Soil Erosion
<i>Peñablanca</i>	Nannarian	05 December 2019, 5:00 PM	Soil Erosion / Riverbank Erosion
	Patagueleg	05 December 2019	Landslide along National Road (near Tawi)
<i>Rizal</i>	Illuru	05 December 2019, 5:00 PM	Soil erosion
	Lattut	05 December 2019, 5:00 PM	Soil erosion
<i>Sanchez Mira</i>	Centro I	06 December 2019, 12:00 PM	Soil Erosion affecting the shoulder of the road along the Public Market
Isabela			
<i>Cauayan City</i>	Boundary of Baculod and Maligaya	05 December 2019, 3:00 PM	Portion of road from Brgy. Baculod going to Brgy. Maligaya eroded

Source: OCDRO II

B. Affected Population (TAB A)

A total of **164,109 families / 604,541 persons** were affected in **710** barangays in Regions II and CAR. Of which, a total of **8,249 families / 30,559 persons** took temporary shelter in **273 evacuation centers**, while **35,519 families / 148,695 persons** have temporarily stayed with their relatives and/or friends.

Source: DSWD DROMIC Terminal on the Effects of Surge of the Northeast Monsoon and Tail-End of a Cold Front, as of 05 January 2020, 6:00 PM

C. Damage to Infrastructure

Damaged Houses

A total of **262 damaged houses** in Regions II and CAR were reported, of which, **130 were totally damaged** and **132 were partially damaged**.

REGION / PROVINCE / MUNICIPALITY	NO. OF DAMAGED HOUSES		
	TOTALLY	PARTIALLY	TOTAL
GRAND TOTAL	130	132	262
REGION II	80	6	86
Cagayan	12	3	15
<i>Abulug</i>	1	-	1
<i>Claveria</i>	3	-	3
<i>Sanchez-Mira</i>	2	2	4
<i>Santa Ana</i>	5	-	5

REGION / PROVINCE / MUNICIPALITY	NO. OF DAMAGED HOUSES		
	TOTALLY	PARTIALLY	TOTAL
<i>Santa Praxedes</i>	1	1	2
Isabela	68	1	69
<i>Divilacan</i>	63	-	63
<i>Ilagan City (Capital)</i>	5	1	6
Nueva Vizcaya	-	2	2
<i>Santa Fe</i>	-	2	2
CAR	50	126	176
Apayao	49	126	175
<i>Calanasan (Bayag)</i>	49	126	175
Kalinga	1	-	1
<i>Pinukpuk</i>	1	-	1

Source: DSWD DROMIC Terminal on the Effects of Surge of the Northeast Monsoon and Tail-End of a Cold Front, as of 05 January 2020, 6:00 PM

Damaged Schools (TAB B)

A total of **77 schools** have incurred partial damage in Regions II and CAR.

REGION	SCHOOL
TOTAL	77
REGION II	64
<i>Cagayan</i>	11
<i>Isabela</i>	53
CAR	13
<i>Apayao</i>	6
<i>Benguet</i>	7

Source: DepEd

D. Suspension of Classes and Work

Suspension of Classes

The province of Apayao declared suspension of classes in all levels (Public and Private) on 06 December 2019 and resumed on 10 December 2019.

Source: OCD RO CAR

Suspension of Work

A total of **37 cities / municipalities** in Regions II and CAR declared suspension of work.

REGION/PROVINCE /CITY/MUNICIPALITY	DATE OF SUSPENSION	DATE OF RESUMPTION	REMARKS
REGION II			
Cagayan			
<i>Cagayan Province</i>	05-07 December 2019	-	Both government and private
Isabela			
<i>Ilagan City</i>	06 December 2019	-	Both government and private
CAR			
Province of Apayao	06 December 2019	09 December 2019	Provincial Government and National Line Agencies (except those tasked to monitor and respond rescue operations)

Sources: OCDROs II and CAR

E. Status of Lifelines

Roads and Bridges (TAB C)

A total of **109 road sections** and **17 bridges** were affected in Regions II and CAR.

Sources: DPWH, OCDROs II, and CAR

Power Supply

A total of **7 cities/municipalities** in Regions II and CAR experienced power interruption.

REGION/PROVINCE /CITY/MUNICIPALITY	DATE AND TIME OF INTERRUPTION	DATE RESTORED
Region II		
Cagayan		
<i>Claveria</i>	05 December 2019, 7:50 PM	06 December 2019
<i>Tuguegarao City</i>	05 December 2019	06 December 2019
CAR		
Apayao		
<i>Luna</i>	06 December 2019, 2019, 2:54 AM	06 December 2019, 8:00PM
<i>Sta. Marcela</i>	06 December 2019, 2019, 2:54 AM	06 December 2019, 8:00PM
<i>Flora</i>	06 December 2019, 2019, 2:54 AM	06 December 2019, 8:00PM
<i>Pudtol</i>	06 December 2019, 2019, 2:54 AM	06 December 2019, 8:00PM
<i>Calansan</i>	06 December 2019, 2019, 2:54 AM	06 December 2019, 8:00PM

Sources: OCDROs II and CAR

Water Interruption

A total of **23 areas** in Region II experienced water interruption. On 07 December 2019, water supply in all areas were restored.

REGION/PROVINCE /CITY/MUNICIPALITY	BARANGAYS	DATE AND TIME OF INTERRUPTION	DATE RESTORED
Region II			
Cagayan			
<i>Tuguegarao City</i>	Cataggaman Nuevo	05 December 2019, 8:00 PM	Restored on 07 December 2019
	Cataggaman Viejo		
	Cataggaman Pardo		
	Poblacion 1-10		
	Ugac Norter		
	Ugac Sur, Buntun		
	Linao Norte	05 December 2019, 6:00 PM	Restored on 07 December 2019
	Linao West		
	Linao East		
	Annafunan East		
	Annafunan West		
	Atulayan Sur		
	Atulayan Norte		
	Caritan Norte		
	Pengue Ruyu		
	Leonarda		
	Balzain East		
	Balzain West		
	Don Domingo		
	Tanza		
	Caggay		
	Carig Sur		
	Carig Norte		

Source: OCDRO II

F. Flooded Areas (TAB D)

A total of **117 flooded areas** were reported in Regions II and CAR.

Sources: OCDROs II and CAR

G. Cost of Damage

1. Damage to Agriculture

An estimated **₱933,757,026.96** worth of damage to agriculture was incurred in Regions II and CAR with details as follows:

REGION / PROVINCE	CROPS					FISHERIES	LIVESTOCK		IRRIGATION SOURCE: NIA RO II	TOTAL AMOUNT (₱)
	AFFECTED AREA (HA)		RICE	CORN	HVC	PRODUCE	NO. OF HEAD	AMOUNT		
	TOTALLY	PARTIALLY								
TOTAL	25,720.76	40,673.75	226,401,426.08	560,446,977.31	72,885,157.81	2,178,680.00	944	4,844,785.76	67,000,000.00	933,757,026.96
REGION II	25,670.76	40,298.75	224,212,574.58	560,446,977.31	72,885,157.81	2,178,680.00	944	4,844,785.76	67,000,000.00	931,568,175.46
Cagayan	198.50	10,445.62	21,224,008.70	10,402,450.00	-	611,800.00	472	3,650,860.00	67,000,000.00	102,889,118.70
Isabela	25,472.26	29,853.13	202,988,565.88	550,044,527.31	72,885,157.81	1,566,880.00	472	1,193,925.76	-	828,679,056.76
CAR	50.00	375.00	2,188,851.50	-	-	-	0	-	-	2,188,851.50
Kalinga	50.00	375.00	2,188,851.50	-	-	-	0	-	-	2,188,851.50

Sources: Department of Agriculture and OCD RO II

2. Damage to Infrastructure

An estimated **₱1,574.815,568.84** worth of damage to infrastructure was incurred in Region II with details as follows:

REGION / PROVINCE	NAME OF INFRASTRUCTURE	TOTAL AMOUNT (₱)
GRAND TOTAL		1,574.815,568.84
REGION II		1,574.815,568.84
Cagayan	National Roads/bridges	1,183,720,000.00
	Local Roads/bridges	122,530,500.00
Isabela	National Roads/bridges	111,000,000.00
	Local Roads/bridges	111,565,068.84
Nueva Vizcaya	National Roads/bridges	25,000,000.00
Quirino	National Roads/bridges	21,000,000.00

Source: OCD RO II

H. Declaration of State of Calamity

The following areas were declared under State of Calamity:

REGION/ PROVINCE/ CITY/ MUNICIPALITY	DATE	RESOLUTION NO.
REGION II		
Province of Cagayan	06 December 2019	City Resolution No. 269-05-2019
City of Tuguegarao	05 December 2019	City Resolution No. 269-05-2019
Province of Isabela	05 December 2019	Resolution No. 244
Delfin Albano, Isabela	09 December 2019	Resolution No. 118-2019

III. DISASTER PREPAREDNESS AND RESPONSE

A. NATIONAL DRRM COUNCIL (NDRRMC)

1. NDRRM Operations Center (NDRRMOC)

- The NDRRMOC maintained its BLUE alert status.
- Monitored and disseminated Severe Weather Bulletins, Weather Advisories, 24-hour Public Weather Forecasts, Gale Warning, and other advisories to all RDRRMCs/OCDROs through SMS, facsimile, and official social media websites

to its respective Local Disaster Risk Reduction and Management Councils (LDRRMCs).

- c. Coordinated with Philippine Air Force Tactical Operations Group II on 06 December 2019 regarding the availability of air asset.

2. DOST-Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)

Provided weather updates to concerned member agencies and local government units.

3. Department of the Interior and Local Government (DILG)

- a. Issued an advisory to all DILG Regional Offices and Regional DRR-CCA Focal Persons.
- b. Instructed all DILG ROs to take proactive measures and direct all LGUs to monitor all PAGASA weather advisories and bulletins, and use the Met-Hydro Decision Support InfoSystem (Meteopilipinas), ASTI's Philsensor website, MGB's Geohazard Web Portal, and HazardHunterPH (to check for natural hazards and hazard assessment reports).
- c. Provided all available information to all concerned DILG ROs and FOs through SMS and emails.

4. Department of Social and Welfare Development (DSWD)

Disaster Response Management Bureau (DRMB) activated its alert status to BLUE and coordinated with the concerned field offices for significant disaster response updates.

5. DENR - Mines and Geosciences Bureau (MGB)

Provided List of Barangays susceptible to landslide and flood.

6. Department of Education (DEPED)

- a. Advised Regions and Divisions to vet consolidated Rapid Assessment of Damage Report (RaDaR) 1 and 2.
- b. Directed all field offices to coordinate with LGU for local response actions.
- c. Monitored class suspensions and coordinated with the affected Regions and Divisions on reports of schools affected by flooding.
- d. Disseminated advisories from PAGASA to Regions and Divisions.
- e. Monitored schools on its preparedness measures as per DO 83 s 2011 and DM 108 s 2016.
- f. Reported a total of 63 schools affected by flooding in Region II.

B. REGIONAL DRRM COUNCILS (RDRRMCs)

- a. RDRRMCs II and CAR monitored its areas of responsibility and coordinated with its respective member agencies to ensure the widest dissemination of updates and advisories through SMS, facsimile, and official social media websites.

REGION	ALERT STATUS	DATE
II	BLUE	30 November 2019
CAR	BLUE	29 October 2019, 8:00 AM

- b. Reviewed/revisited and developed respective contingency plan to serve as a tool in planning, assessing, responding, and resolving needs/requirements for a specific hazard/emergency.

1. RDRRMC II

OCD II

- a. EOC raised RED alert status on 04 December 2019, 10:00AM.
- b. Disseminated weather updates, bulletins, and other issuances through social media, SMS, and Viber accounts.
- c. Coordinated with Local DRRM Councils.
- d. Monitored its respective AOR and high-risk areas.
- e. Conducted the PDRA Core Group meeting on 28 November 2019, 2:00 PM and 30 November 2019, 10:00 AM.
- f. Monitored the major river systems in the region and its tributaries to include the water sources from the Sierra Madre Mountains, and Cordillera Mountains and conducted flood analysis affecting Cagayan.
- g. Monitored the rainfall amount through the DOST-PAGASA Water Level Monitoring System.
- h. Coordinated with PIA and Radyo Pilipinas to assist in the dissemination of information.
- i. Conducted Response Cluster Meeting held at Casa Angela, Tuguegarao City on 06 December 2019 at 9:00 AM.
- j. Coordinated with the Philippine Marines, 17th Infantry Battalion, and Philippine Coast Guard for Search Rescue and Retrieval in affected areas.
- k. Sent a letter request addressed to J3, AFP for available air assets in conducting Search and Rescue operations in Cagayan Valley.
- l. Relayed information to AFPCC and OJ3.
- m. Deployed RDANA Teams on 10 December 2019 to conduct assessment in Northwestern Cagayan, Southern Cagayan, and Northern Isabela.

DSWD II

- a. Regional Disaster Response Management Team, SWADTs, and P/C/MATs of the Provinces of Cagayan, Isabela, Quirino, and Nueva Vizcaya monitored the possible effects of Northeast Monsoon and were directed to render 24/7 duty on 04 December 2019 to monitor the families and individuals who may be affected by possible flashfloods.
- b. Loaded food and non-food items to two (2) trucks for immediate augmentation to affected areas.
- c. Coordinated with R/P/C/MDRRMCs in any concern that needs to be addressed.
- d. SWADT of Isabela coordinated with the PDRRMO Isabela relative to the monitoring of the water level of Magat Dam in Ramon, Isabela.
- e. Coordinated with SWADTs and P/C/MATs to monitor and coordinate with the LGUs, and gather reports on the possible effects of Northeast Monsoon.
- f. Ensured the availability of stockpile, raw materials, and standby with details as follows:
 - Standby Funds: ₱3,537,163.35
 - Family Food Packs: ₱10,824,378.94
 - NFIs: ₱12,336,551.55
- g. Distributed family food packs, kitchen kits, and sleeping kits to affected families due to flooding in the municipalities of Enrile, Solana and Tuguegarao City, Cagayan and in the municipalities of San Pablo, Cabagan, City of Ilagan, Isabela.

DOH II

- a. Raised its alert status to code WHITE on 02 December 2019 and Code Blue on 06 December 2019.
- b. Human Resource for Health conducted Rapid Health Assessment in different municipalities.

- c. Prepositioned drugs, medicines, and other HEM related logistics amounting to ₱1,231,641.26 in the different Provincial DOH Offices in the region broken down as follows: Batanes - ₱200,155.35, Cagayan - ₱200,155.35, Isabela - ₱392,224.14, Nueva Vizcaya - ₱200,155.35, and Quirino - ₱3692,224.14.
- d. Activated SPEED and Medical Consultations in areas with evacuees.
- e. Provided drugs, medicines, water containers, and hygiene kits in the evacuation centers.
- f. Deployed Human Resource for Health to provide health education, consultations, and other health services in the evacuation centers.
- g. Placed Regional response team on standby for possible deployment.
- h. Activated the Incident Management Team of the region.
- i. Placed the Health Emergency response teams on standby and ready for any eventualities.

AFP II

Placed on standby for possible deployment.

BFP II

- a. Special Rescue Unit and EMS placed on standby.
- b. Coordinated with respective LDRRMCs.

DPWH II

Monitored the situation within AOR and prepositioned heavy equipment in strategic areas.

DENR-MGB II

- a. Provided lists of barangays in Region II that have High to Very High Landslide and Flood Susceptibility to OCD/CVRDRRMMC and PDRRMCs.
- b. Provided geohazard advisory to OCD/CVRDRRMC members and PDRRMCs of Region II.

PCG – CGDNELZN

- a. Coordinated and monitored with the Local Government Unit and various line agencies within AOR.
- b. Placed dispatch or deployment team on standby.
- c. Provided augmentation to Tuguegarao City DRRMC on 05 December 2019.

PIA II

- a. Disseminated and monitored weather updates and advisories within AOR.
- b. Disseminated information provided by CVRDRRMC member agencies to the media and public.

PNP PRO2

- a. Placed on standby and ready in case of eventualities.
- b. Coordinated with the RDRRMC and LGUs.

PDRRMC Batanes

- a. Monitored the weather condition and disseminated weather updates and advisories to MDRRMC members and C/MDRRMOs.
- b. Coordinated with MDRRMCs.
- c. Conducted inventory of resources and ensured availability of food and non-food items.
- d. Prepositioned heavy equipment in the evacuation centers at Pamplona, Cagayan on 04 December 2019.

- e. Placed Operations Center on 24/7 monitoring of the weather systems and all hazard web-based system and disseminated weather updates to all stakeholders.

PDRRMC Cagayan

Coordinated with local C/MDRRMOs to monitor the situation within AOR.

MDRRMC Amulung, Cagayan

- a. Placed response teams on standby.
- b. Ensured all communication hotline of rescue and Emergency Operations Center were available for inquiries and emergency assistance.
- c. Advised BDRRMCs to conduct pre-emptive evacuation.
- d. Activated the Emergency Operations Center.
- e. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- f. Disseminated advisory on the suspension of classes in all levels.
- g. Monitored the extent of flooding in the barangays affected.
- h. Assisted stranded commuters in crossing the Tana-Annabuculan overflow bridge.
- i. Conducted MDRRMC Meeting regarding Rapid Damage Assessment and Needs Analysis on 05 December 2019.
- j. MSWDO conducted packing of relief goods, relief operations, and management of the evacuation centers.
- k. Activated Incident Management Team.

MDRRMC Baggao, Cagayan

- a. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- b. Ensured all communications hotline of rescue and Emergency Operations Center were available for inquiries and emergency assistance.
- c. MSWD monitored report of evacuees.
- d. Activated all response teams.
- e. Deployed rescuers to assist the affected families or individuals.
- f. Conducted clearing operations.

MDRRMC Camalaniugan, Cagayan

- a. Coordinated with BDRRMCs regarding the situation within the AOR.
- b. Monitored the weather condition and disseminated weather updates and advisories within AOR.

MDRRMC Lasam, Cagayan

- a. Monitored status of roads, bridges, creeks, and rivers within AOR.
- b. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- c. Coordinated with member agencies.

MDRRMC Lal-lo, Cagayan

- a. Activated the Emergency Operations Center and raised its alert status to RED.
- b. Monitored the Flood Early Warning System.
- c. Placed Rescue Unit with complete rescue tools and equipment on standby.
- d. Monitored the status of major roads, bridges, streets through LGU CCTV System.
- e. Coordinated and disseminated warnings to all barangay through Radio communication system and hotlines.

MDRRMC Santa Ana, Cagayan

- a. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- b. Coordinated with BDRRMCs regarding situation within its respective AOR.

MDRRMC Solana, Cagayan

- a. Conducted PDRA meeting on 02 December 2019.
- b. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- c. Monitored the flood and landslide prone areas within AOR.

PDRRMC Isabela

- a. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- b. Conducted a meeting with PDRRMC re Preparations for TY "TISOY" on 06 December 2019, 2:00 PM at the Green Room, Isabela Provincial Capitol.
- c. Implemented liquor ban.

CDRRMC Cauayan, Isabela

- a. Activated the Emergency Operations Center and raised its alert status to BLUE.
- b. Disseminated memorandum to all members of the CDDRRMC regarding PDRA.
- c. Advised the BDRRMCs to monitor the situation in its respective AOR
- d. Monitored and plotted the storm track gathered from DOST-PAGASA.
- e. Monitored the present weather condition, main roads, bridges, water level status of Magat Dam, and rain gauges installed within the city.
- f. Disseminated weather updates and early warnings through radio-base communication and other multi-media accounts.
- g. Ensured all communications hotline of Rescue and Emergency Operations Center were available for inquiries and emergency assistance.
- h. Conducted PDRA meeting on 02 December 2019, 1:30 PM held at CDRRM Office.
- i. Directed all members of the council to monitor within its AOR and be on standby for immediate response.
- j. Provided WASAR augmentation to LGU-Tuguegarao City on 05 December 2019.

CDRRMC Ilagan, Isabela

- a. Monitored the rainfall through DOST PAGASA, OCD, and BDRRMCs.
- b. Advised all BDRRMCs to monitor the weather condition and report its effect at the barangay level.
- c. Disseminated warnings to the barangays through LNB President and Public Information Officer.
- d. Disseminated warnings to 91 barangays and the community through social media, text blast, and radio communication.
- e. Advised all BDRRMCs to monitor the continuous rains that may trigger flooding and landslide.
- f. Conducted PDRA meeting with council members on 02 December 2019, 9:00 AM.
- g. Deployed RDANA Team, SAR Teams, and EMS Teams.
- h. Conducted relief packing and distribution to affected population.
- i. Conducted clearing operations.
- j. Provided health services to the affected population.

MDRRMC Cabagan, Isabela

- a. Conducted MDRRMC Meeting.
- b. Disseminated flood advisories and bulletins to members of the MDRRMC and other stakeholders.
- c. Conducted Bandillo system (BDRRMOC) activities and proper information dissemination on proper safety measures at the barangay level.
- d. Activated the Emergency Operations Center and Municipal Epidemiological and Surveillance Unit.
- e. Monitored the flood and landslide prone barangays, overflow bridge, and agricultural products.
- f. Coordinated with the local Philippine National Police, Bureau of Fire, Barangay Officials, Barangay Tanod, and PDRRMO.
- g. Disseminated Executive Order No. 44 s. 2019 re Suspension of classes at all levels.
- h. Ensured submission of updates, documents and daily monitoring reports to the DILG, OCD, and PDRRMO through official viber account.
- i. Conducted pre-emptive evacuation to affected families at Barangays Pilig Alto and Pilig Abajo.
- j. Implemented Camp Management at the identified evacuation Center.
- k. Deployed Camp Managers in Cansan Evacuation Center.
- l. Prepositioned Food and Non-food items such as relief packs and essential medicines at the evacuation center.

MDRRMC Delfin Albano, Isabela

- a. Monitored the present weather condition, main roads and bridges, water level status of Magat Dam, and rain gauges installed within the municipality.
- b. Disseminated weather updates through Facebook Official Page and latest situation report to concerned agencies.
- c. Ensured the updating of weather bulletin boards.
- d. Convened MDRRMC Meeting.
- e. Activated the Incident Management Team.
- f. Ensured all communication hotline of Rescue and Emergency Operations Center were available for inquiries and emergency assistance.
- g. Conducted pre-emptive evacuation and rescue operations.

MDRRMC San Guillermo, Isabela

- a. Activated the Emergency Operations Center.
- b. Monitored the weather condition and disseminated weather updates and advisories within the AOR.

MDRRMC Tumauni, Isabela

- a. Activated the Emergency Operations Center.
- b. Disseminated weather updates and advisories through short messaging system and various social media accounts.
- c. Prepositioned food and non-food items.
- d. Ensured all communications hotline of Rescue and Emergency Operations Center were available for inquiries and emergency assistance.
- e. Monitored the present weather condition, flood advisory, monitoring of main roads and bridges, water level marker and status of Tumauni - Delfin Albano bridge.
- f. Conducted a meeting with Response Cluster on 04 December 2019 at the Sangguniang Bayan Session Hall.
- g. Prepositioned heavy equipment in strategic areas.
- h. Conducted forced evacuation, rescue, and relief operations.

PDRRMC Nueva Vizcaya

- a. Activated Emergency Operations Center and raised its alert status to RED on 05 December 2019.
- b. Monitored the weather condition and disseminated weather updates and advisories within the AOR.
- c. Monitored traffic and road status.
- d. Placed the Nueva Vizcaya Search and Response Unit (NVSARU) on standby.
- e. Placed rescue equipment and vehicles on standby.
- f. Conducted PDRA Core Group Meeting on 02 December 2019, 4:30 PM.
- g. DPWH- DEO prepositioned assets, facilities, and equipment.
- h. Deployed WASAR Team composed of BFP, Red Cross/NVSARU and Kabalikat CIVICOM Novo Chapter as augmentation to the rescue operations in Tuguegarao City.

MDRRMC Alfonso Castañeda, Nueva Vizcaya

- a. Activated the Emergency Operations Center.
- b. Conducted MDRRMC meeting on 03 December 2019, 3:00 PM.
- c. Prepositioned stockpile and placed response assets on standby.
- d. Advised all barangays to monitor and provide reports to EOC.
- e. Conducted clearing operations on 04 December 2019 to remove some fallen/toppled trees along provincial and national roads.

MDRRMC Ambaguio, Nueva Vizcaya

- a. Monitored the situation within AOR.
- b. Prepositioned heavy equipment.
- c. Issued a memorandum on the suspension of classes to all levels in private and public.
- d. Placed response agencies on standby.
- e. Disseminated weather updates and advisories to all Punong Barangays.
- f. Ensured all communications hotline of Rescue and Emergency Operations Center were available for inquiries and emergency assistance.

MDRRMC Aritao, Nueva Vizcaya

- a. Activated the Emergency Operations Center.
- b. Coordinated with PNP, BFP, ARMS volunteers, and other concerned agencies for monitoring and preparedness measures.
- c. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- d. Conducted PDRA Meeting on 03 December 2019, 9:00 AM.
- e. Coordinated with the MSWDO and check for the availability of Food and Non-food items.

MDRRMC Bambang, Nueva Vizcaya

- a. Conducted PDRA Meeting on 02 December 2019.
- b. Activated the Emergency Operations Center and raised its alert status to BLUE.
- c. Placed medical teams and ambulance on standby for any emergencies.
- d. Coordinated with Philippine National Police Bambang, Bureau of Fire Protection Bambang, and other partner agencies.
- e. Disseminated weather updates and advised barangay officials to monitor its AOR and report any untoward incidents to MDRRMO Bambang.

MDRRMC Bayombong, Nueva Vizcaya

- a. Conducted MDRRMC Meeting on 04 December 2019.

- b. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- c. Activated the Emergency Operations Center.
- d. Prepositioned resources.
- e. Monitored flood and landslide-prone areas and advised residents to take precautionary measures.
- f. Monitored the situation within AOR.

MDRRMC Diadi, Nueva Vizcaya

- a. Activated the Emergency Operations Center and raised its alert status to BLUE.
- b. Coordinated with member agencies.
- c. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- d. Conducted inventory of assets and ensured the availability of heavy equipment for mobilization.

MDRRMC Dupax Del Norte, Nueva Vizcaya

- a. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- b. Monitored flood and landslide-prone areas and advised residents to take precautionary measures.
- c. All response teams and equipment were placed on standby.
- d. Coordinated with PNP, Barangay DRRM Committees/ BLGUs and other concerned agencies.

MDRRMC Dupax Del Sur, Nueva Vizcaya

- a. Activated the Emergency Operations Center and raised its alert status to BLUE.
- b. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- c. Ensured all communications hotline of Rescue and Emergency Operations Center were available for inquiries and emergency assistance.
- d. Placed ambulances and heavy equipment on standby to assist in case of emergency situations.

MDRRMC Kasibu, Nueva Vizcaya

- a. Placed the Operations Center on 24/7 monitoring of possible untoward incidents.
- b. Advised all Punong Barangays to monitor flood and landslide-prone areas in its respective areas of jurisdiction and implement possible evacuation when situation warrants.
- c. Placed the Kasibu Response Unit on standby and in case of emergency situations.
- d. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- e. Ensured all communications hotline of rescue and Emergency Operations Center were available for inquiries and emergency assistance.
- f. Disseminated LCE Memorandum Order No. 2019-53 to all members and Task Service Unit to ensure that all measures are being undertaken and to be on active status on a 24-hour basis.
- g. Disseminated LCE Memorandum Order No. 2019-55 to all Elementary and Secondary School Heads regarding suspension of classes.

MDRRMC Kayapa, Nueva Vizcaya

- a. Activated the Emergency Operations Center.

- b. Monitored the weather condition, main roads and bridges, other related incidents and water level status of Pingkian Bridge and Pampang Bridge.
- c. Provided updates through situational report to the public, concerned agencies, and other stakeholders.
- d. Ensured all communications hotline of Rescue and Emergency Operations Center were available for inquiries and emergency assistance.
- e. Placed all rescue vehicles and equipment on standby to assist in case of emergency situations.

MDRRMC Santa Fe, Nueva Vizcaya

- a. Activated the Emergency Operations Center and raised its alert status to BLUE.
- b. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- c. Advised all Punong Barangays to monitor flood and landslide prone areas in its respective areas of responsibility and implement possible evacuation when necessary.
- d. Placed all rescue vehicles, equipment and Santa Fe Rescue Team (SAFERT) on standby to assist in case of emergency situations.
- e. Ensured all communications hotline of Rescue and Emergency Operations Center were available for inquiries and emergency assistance.
- f. Conducted inventory of stockpile for food and non-food items.

MDRRMC Solano, Nueva Vizcaya

- a. Activated the Emergency Operations Center and raised its alert status to BLUE.
- b. Prepositioned relief goods and logistics.

PDRRMC Quirino

- a. Activated the Emergency Operations Center and raise its alert status to RED on 01 December 2019, 2:00 PM.
- b. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- c. Conducted PDRA meeting on 02 December 2019, 4:00 PM.
- d. Aired weather advisory through DWQP 92.1 FM on 01 December 2019, 11:00 AM.
- e. Ensured all communications hotline of Rescue and Emergency Operations Center were available for inquiries and emergency assistance.
- f. Provided WASAR augmentation to the province of Isabela on 05 December 2019.
- g. Placed resources and other response assets on standby for immediate response.

MDRRMC Aglipay, Cabarroguis, Maddela, Nagtipunan, and Saguday, Quirino

- a. Activated the Emergency Operations Center
- b. Monitored the weather condition and ensured dissemination of advisories.
- c. Coordinated with member agencies.
- d. Ensured all communications hotline of Rescue and Emergency Operations Center were available for inquires and emergency assistance.
- e. Placed response assets on standby.

MDRRMC Diffun, Quirino

- a. Conducted PDRA meeting on 02 December 2020, 1:00 PM.
- b. Ensured Operations Center on standby 24/7.
- c. Prepositioned Food and Non-food items.

- d. Monitored the weather condition and disseminated weather updates and advisories within AOR.
- e. Coordinated with member agencies.

2. RDRRMC CAR

OCD CAR

- a. Monitored the weather through coordination with PAGASA Baguio, LDRRMOs, official websites of PAGASA, and other relevant sources of information and issued weather forecast and advisories through all means of communication.
- b. Prepositioned logistical assets for possible augmentation to disaster response operations.

DOST CAR

- a. Monitored and maintained the Community-Based Flood Early Warning Systems (CBFEWS) in coordination with LGUs and DOST-ASTI.
- b. Installed 31 CBFEWS stations in CAR.

PAGASA Baguio Synoptic Station - CAR

Monitored the weather condition and disseminated weather updates and advisories within AOR.

DSWD CAR

- a. Placed Quick Response Teams (QRT), Provincial Social Welfare and Development Teams (PSWADT), and Municipal Action Teams (MAT) on standby for possible deployment.
- b. Placed Rapid Emergency Telecommunications Team (RETT) including the INMARSAT equipment on standby.
- c. Activated the Emergency Operations Center and raised its alert status to RED.
- d. DSWD-Field Office CAR and Regional Resource Operations Section and Satellite Warehouses have stockpiles and standby funds amounting to ₱35,320,101.30 with breakdown as follows:
 - Family Food Packs (FFPs): ₱4,942,972.50
 - Other food items: ₱8,602,313.36
 - Non-food Items (FNIs): ₱20,187,364.54
 - Standby funds: ₱1,587,450.90
- e. Directed Detailed Duty Officers to render duty at the Emergency Operations Center.
- f. Coordinated with the focal points of Apayao and Kalinga for updates on its respective AORs.

DILG CAR

- a. Monitored the preparedness measures and activities of LGUs.
- b. Disseminated updates from PAGASA, MGB, and other warning agencies, and cascaded the latest public weather advisories to LGUs.
- c. Facilitated the utilization of Oplan L!sto manuals.
- d. Provided regular updates to DILG field offices on weather situations and landslide and flood prone barangays.
- e. Monitored and disseminated the weather updates to FOUUs.
- f. Furnished the RDRRMCs EOC with regular situational reports.

DPWH CAR

- a. Prepositioned a total of 74 DPWH-Owned Equipment/Asset, 95 tools/light equipment, and 106 privately-owned equipment.

- b. Monitored road closures, clearing operations, and road status.

DOH CAR

- a. Raised its alert status to code WHITE.
- b. Placed Health Emergency Response Team on standby.
- c. Prepositioned drugs and medicines amounting to ₱12,305.07 each in the Provincial DOH Offices of Abra, Benguet, Apayao, Kalinga, Mt. Province, and Ifugao.
- d. Ensured the availability of Medical Assistance for Indigent Patients (MAIP) funds in DOH Retained Hospitals and Benguet General Hospital for the victims of any disaster.
- e. Prepositioned hygiene kits, jerry cans, Aquatabs Traclosene Na, and Campolac kit plus at PDOHO Apayao amounting to ₱116,367.31.
- f. Endorsed the repair of water system at Sta. Filomena and Sta. Ana, Calanasan to PDOHO Apayao for coordination with PLGU and LGU.

DENR CAR

- a. Coordinated with local counterparts, electric cooperatives, and other stakeholder for monitoring and possible augmentation.
- b. Conducted assessment on trees posing danger for possible pruning/cutting.

MGB CAR

- a. Issued an updated List of Barangays that are susceptible to landslides and flooding based on the 72-hour model of PAGASA.
- b. Issued landslide and flooding threat advisories to all PDRRMOs and MDRRMOs.
- c. Activated the MGB-CAR Special Task Action Group (STAG) to assist the LGUs/OCD if needed.

DEPED CAR

Coordinated with CRDRRMC EOC and LDRRMCs for possible suspension of classes.

CHED CAR

- a. Directed the safety officers in different colleges and universities to conduct safety inspection.
- b. Placed personnel on-standby for possible monitoring of class suspensions.

AFP CAR

Placed on heightened alert and monitored the area of responsibility.

Tactical Operations Group 1 (TOG 1), PAF; 14th CAR RCDG, ARESCOM, PA; and 503rd IBde, 5ID, PA

- a. Placed on heightened alert and monitored the AOR.
- b. Ensured the availability of duty personnel for possible response augmentation.

DA CAR

- a. Placed available resources/buffer stocks on standby for early recovery.
- b. Ensured continuous submission of pre-disaster reports.

DOT CAR

Monitored tourist activities and disseminated public travel advisories.

National Telecommunications Commission (NTC) CAR

Placed communication groups on standby for possible mobilization.

PIA CAR

Disseminated public advisories and warning alerts to the public through text blasts, social media accounts, and various media outfits.

PNP Police Regional Office – Cordillera (PROCOR)

- a. Placed on heightened alert and monitored its AOR.
- b. Ensured availability of 838 duty personnel and resources for mobilization.
- c. Disseminated memorandum to lower units and coordinated with its local MDRRMCs.
- d. Placed all SAR equipment, communications equipment, mobility assets, and SAR trained personnel on standby for deployment.

BFP CAR

- a. Placed on heightened alert and monitored its AOR.
- b. Ensured availability of duty personnel, rescue assets, and resources in case of deployment.

PDRRMC Apayao

- a. Raised alert status to RED on 06 December 2019, 1:00 PM.
- b. Conducted PDRA and Emergency Response Preparedness Meeting on 05 December 2019, 10:30 AM.
- c. Issued localized suspension of classes to all levels both private and public within the province effective 04 December 2019, 12:00 PM.
- d. Conducted rescue operations in the municipality of Luna together with MDRRMO personnel, BFP, PNP, and volunteers.
- e. Utilized Early Warning Systems to ensure the widest dissemination of timely weather safety advisories.
- f. Coordinated with various agencies for situation monitoring and response actions.

PDRRMC Abra and Benguet

- a. Placed on heightened alert and monitored its respective AOR.
- b. Placed duty personnel and resources on standby.

CDRRMC Baguio, Benguet

- a. Placed on heightened alert and monitored its AOR.
- b. Placed duty personnel and resources on standby.
- c. Coordinated with TOC of Baguio City Police Office, Baguio City Fire Department, Baguio City EMS, OCD CAR, DILG FO, BDRRMCs, Volunteer Response Group, and Action Communication Groups.
- d. Coordinated with CSWD for any reported and monitored evacuees, and relief assistance.
- e. Coordinated with City Environment and Parks Management Office – Forestry Division for any reported fallen or about to fall trees.
- f. Monitored road and traffic situations.

PDRRMC Ifugao

- a. Placed on heightened alert and monitored its AOR.
- b. Ensured availability of duty personnel, rescue assets, and resources in case needed for deployment.
- c. Prepositioned heavy equipment and rescue vehicle at the operation center.
- d. Placed PDRRM personnel on standby and on roving status for coordination and monitoring.
- e. Disseminated information on weather updates and travel advisories via social media and SMS.

- f. Directed PDRRMC members and Emergency Rescue Volunteers to be on standby ready for any eventualities.

PDRRMC Kalinga

- a. Raised its alert status to BLUE on 29 November 2021, 5:00 PM.
- b. Placed on heightened alert to continuously monitor its AOR.
- c. Ensured availability of duty personnel, rescue assets, and resources in case needed for deployment.
- d. Monitored and coordinated with MDRRMOs regarding updates within their AORs.
- e. Coordinated with DPWH for road network updates.
- f. Prepositioned responders for quick response actions when needed.
- g. Coordinated with KABALIKAT CIVICOM group for communications and monitoring.
- h. Conducted needs assessment of the displaced families in Sitio Pong-ad, Taga, Pinukpuk.
- i. Placed responders and other line agencies on duty at the 24/7 OpCen and monitored the situation.

PDRRMC Mountain Province

- a. Placed on heightened alert and monitored its AOR.
- b. Alerted MDRRMOs and advised to conduct pre-emptive evacuation if needed.

IV. COST OF ASSISTANCE

A total of **₱42,194,305.88** worth of assistance was provided to the affected families, of which **₱24,866,601.88** was provided by DSWD and **₱17,327,704.00** from Local Government Units (LGUs) in Regions II and CAR.

REGION / PROVINCE / MUNICIPALITY	DSWD	LGU	GRAND TOTAL
GRAND TOTAL	24,866,601.88	17,327,704.00	42,194,305.88
REGION II	24,052,257.88	16,698,550.00	40,750,807.88
Cagayan	15,086,909.76	2,003,000.00	17,089,909.76
Abulug	615,798.00	-	615,798.00
Alcala	865,340.92	-	865,340.92
Amulung	1,700,380.18	-	1,700,380.18
Aparri	626,884.00	-	626,884.00
Baggao	239,891.50	-	239,891.50
Ballesteros	347,222.00	-	347,222.00
Camalaniugan	225,140.00	-	225,140.00
Claveria	288,856.00	-	288,856.00
Enrile	780,344.00	2,003,000.00	2,783,344.00
Iguig	214,758.02	-	214,758.02
Lal-lo	633,330.00	-	633,330.00
Pamplona	2,603,953.84	-	2,603,953.84
Rizal	324,717.54	-	324,717.54
Sanchez-Mira	565,710.00	-	565,710.00
Sta.Praxedes	150,568.00	-	150,568.00
Sto. Niño (Faire)	1,985,805.02	-	1,985,805.02
Solana	754,280.00	-	754,280.00
Tuao	51,865.52	-	51,865.52
Tuguegarao City (capital)	2,112,065.22	-	2,112,065.22
Isabela	8,965,348.12	14,695,550.00	23,660,898.12
Aurora	204,399.00	-	204,399.00
Benito Soliven	113,142.00	-	113,142.00
Cabagan	530,451.76	-	530,451.76
Cauayan City	113,142.00	-	113,142.00

REGION / PROVINCE / MUNICIPALITY	DSWD	LGU	GRAND TOTAL
<i>Delfin Albano (Magsaysay)</i>	188,570.00	-	188,570.00
<i>Ilagan (capital)</i>	5,886,737.26	14,226,100.00	20,112,837.26
<i>Roxas</i>	307,204.10	469,450.00	776,654.10
<i>San Mariano</i>	113,142.00	-	113,142.00
<i>San Pablo</i>	377,140.00	-	377,140.00
<i>Santa Maria</i>	188,570.00	-	188,570.00
<i>Santo Tomas</i>	188,570.00	-	188,570.00
<i>Tumauini</i>	754,280.00	-	754,280.00
CAR	814,344.00	629,154.00	1,443,498.00
Apayao	657,837.00	614,154.00	1,271,991.00
<i>Calanasan (Bayag)</i>	-	188,500.00	188,500.00
<i>Conner</i>	-	31,000.00	31,000.00
<i>Flora</i>	-	198,024.00	198,024.00
<i>Luna</i>	657,837.00	115,630.00	773,467.00
<i>Pudtol</i>	-	81,000.00	81,000.00
Kalinga	156,507.00	15,000.00	171,507.00
<i>Pinukpuk</i>	156,507.00	15,000.00	171,507.00

Source: DSWD DROMIC Terminal on the Effects of Surge of the Northeast Monsoon and Tail-End of a Cold Front, as of 05 January 2020, 6:00 PM

**Preparedness Measures and Effects of Northeast Monsoon and Tail-End of a Cold Front (TECF) in
Regions II and CAR
AFFECTED POPULATION**

REGION / PROVINCE / CITY / MUNICIPALITY	NO. OF AFFECTED			No. of ECs	Inside Evacuation Centers		Outside Evacuation Centers		TOTAL SERVED (CURRENT)	
	Brgys.	Families	Persons		Families	Persons	Families	Persons	Families	Persons
GRAND TOTAL	710	164,109	604,541	273	8,249	30,559	35,519	148,695	43,768	179,254
REGION II	657	159,527	588,744	249	7,782	28,939	35,244	147,727	43,026	176,666
Cagayan	407	92,729	346,695	169	4,892	18,227	15,497	62,007	20,389	80,234
Abulug	14	3,147	15,970	7	442	2,112	2,698	13,443	3,140	15,555
Alcala	23	3,963	13,598	10	251	959	322	940	573	1,899
Allacapan	3	43	156	1	11	31	32	125	43	156
Amulung	37	5,880	27,453	17	225	967	315	1,294	540	2,261
Aparri	22	6,168	22,650	6	76	206	1,106	4,253	1,182	4,459
Baggao	19	607	2,168	9	259	918	348	1,241	607	2,159
Ballesteros	16	4,440	16,703	11	222	682	1,743	5,892	1,965	6,574
Camalaniugan	22	1,495	5,449	8	99	365	272	932	371	1,297
Claveria	14	424	1,033	6	206	328	218	705	424	1,033
Enrile	17	7,170	29,485	3	18	65	105	473	123	538
Gattaran	14	539	1,942	14	235	885	297	1,058	532	1,943
Iguig	12	322	1,317	9	277	1,157	121	538	398	1,695
Lal-lo	23	2,636	11,258	11	136	531	1,017	4,050	1,153	4,581
Lasam	11	752	3,204	8	128	432	178	611	306	1,043
Pamplona	17	7,577	30,308	16	1,355	5,011	929	3,071	2,284	8,082
Piat	1	102	381	-	-	-	3	12	3	12
Rizal	15	911	3,296	-	-	-	231	779	231	779
Sanchez-Mira	13	4,283	13,719	4	286	1,088	141	423	427	1,511
Santa Ana	1	7	23	-	-	-	7	23	7	23
Santa Praxedes	10	339	1,338	6	19	58	51	149	70	207
Santo Niño (Faire)	13	2,039	7,004	-	-	-	36	121	36	121
Solana	20	4,716	18,824	3	168	530	1,534	6,332	1,702	6,862
Tuao	32	18,241	63,029	1	64	256	30	128	94	384
Tuquegarao City (capital)	38	16,928	56,387	19	415	1,646	3,763	15,414	4,178	17,060
Isabela	248	66,795	242,035	79	2,889	10,708	19,747	85,720	22,636	96,428
Alicia	7	344	1,478	5	106	455	238	1,023	344	1,478
Aurora	9	740	3,914	3	50	178	556	2,492	606	2,670
Benito Soliven	3	497	1,295	-	-	-	497	1,295	497	1,295
Cabagan	17	6,338	29,691	7	234	768	5,340	25,091	5,574	25,859
Cabatuan	14	1,587	6,057	1	60	189	90	286	150	475
City of Cauayan	8	415	1,499	4	289	934	126	565	415	1,499
Delfin Albano (Magsaysay)	10	1,717	6,631	7	734	2,699	983	3,932	1,717	6,631
Devilacan	1	64	257	-	-	-	-	-	-	-
Ilagan (Capital)	91	35,829	113,342	25	471	1,868	611	2,017	1,082	3,885
Luna	1	27	104	1	27	104	-	-	27	104
Quirino	1	96	328	-	-	-	96	328	96	328
Roxas	3	933	4,640	3	65	206	868	4,340	933	4,546
San Isidro	3	40	162	6	40	162	-	-	40	162
San Mariano	36	7,330	27,288	7	342	1,377	168	624	510	2,001
San Pablo	8	2,329	10,226	3	56	205	1,518	7,590	1,574	7,795
Santa Maria	8	1,806	8,129	3	75	307	1,708	7,724	1,783	8,031
Santo Tomas	12	1,633	5,211	1	242	781	1,391	4,430	1,633	5,211
Tumauini	16	5,070	21,783	3	98	475	5,557	23,983	5,655	24,458
Nueva Vizcaya	1	2	10	0	0	0	0	0	0	0
Santa Fe	1	2	10	-	-	-	-	-	-	-
Quirino	1	1	4	1	1	4	0	0	1	4
Saguday	1	1	4	1	1	4	-	-	1	4
CAR	53	4,582	15,797	24	467	1,620	275	968	742	2,588
Apayao	51	4,515	15,513	23	412	1,385	263	919	675	2,304
Calanasan (Bayaq)	4	668	2,352	7	31	110	63	265	94	375
Conner	3	55	216	2	19	72	36	144	55	216
Flora	4	444	1,359	-	-	-	-	-	-	-
Luna	15	2,742	9,159	12	330	1,105	159	494	489	1,599
Pudtol	22	531	2,195	1	13	55	-	-	13	55
Santa Marcela	3	75	232	1	19	43	5	16	24	59
Kalinga	2	67	284	1	55	235	12	49	67	284
Pinukpuk	2	67	284	1	55	235	12	49	67	284

Source: DSWD DROMIC Terminal Report on the Effects of Surge of the Northeast Monsoon and Tail-End of a Cold Front as of 05 January 2020, 6:00 PM

**Preparedness Measures and Effects of Northeast Monsoon and Tail-End of a Cold Front (TECF) in
Regions II and CAR
DAMAGED SCHOOLS**

REGION / PROVINCE / CITY / MUNICIPALITY	SCHOOL	TOTALLY DAMAGED	PARTIALLY DAMAGED	REMARKS
GRAND TOTAL		0	77	
REGION II		0	64	
Cagayan		0	11	
<i>Abulug</i>	Calog Sur Elementary School	-	1	damaged due to flooding
<i>Pamplona</i>	Capalalian Elementary School	-	1	damaged due to flooding
	Pimpila Elementary School	-	1	damaged due to flooding
<i>Tuguegarao City</i>	Buntun Elementary School	-	1	damaged due to flooding
	Balzain East Elementary School	-	1	damaged due to flooding
	Linao National High School	-	1	damaged due to flooding
	Libag Elementary School	-	1	damaged due to flooding
	Cataggaman National High School	-	1	damaged due to flooding
	Gosi Elementary School	-	1	damaged due to flooding
	Bagay Elementary School	-	1	damaged due to flooding
	Ugac Elementary School	-	1	damaged due to flooding
Isabela		0	53	
<i>Ilagan City</i>	Agassin Elementary School	-	1	damaged due to flooding
	Alinguigan 2nd Elementary School	-	1	damaged due to flooding
	Alinguigan 3rd Elementary School	-	1	damaged due to flooding
	Bangag Elementary School	-	1	damaged due to flooding
	Cabecera 19 Elementary School	-	1	damaged due to flooding
	Cabecera 23 Elementary School	-	1	damaged due to flooding
	Camunatan Elementary School	-	1	damaged due to flooding
	Fugu Elementary School	-	1	damaged due to flooding
	Guinatan Elementary School	-	1	damaged due to flooding
	Malalam Elementary School	-	1	damaged due to flooding
	Marana 2nd Elementary School	-	1	damaged due to flooding
	Nangalisan Elementary School	-	1	damaged due to flooding
	Sablang Elementary School	-	1	damaged due to flooding
	Sto. Tomas Elementary School	-	1	damaged due to flooding
	Lupigue Integrated School	-	1	damaged due to flooding
	Dappat Integrated School	-	1	damaged due to flooding
	Doña Aurora National High School	-	1	damaged due to flooding
<i>Isabela</i>	Bannawag Elementary School	-	1	damaged due to flooding
	S.G. Diamantina Elementary School	-	1	damaged due to flooding
	Ragan Elementary School	-	1	damaged due to flooding
	Bustamante Elementary School	-	1	damaged due to flooding
	Dorganda High School	-	1	damaged due to flooding
	Dingading Integrated School	-	1	damaged due to flooding
	Rizal Integrated School	-	1	damaged due to flooding
	San Ignacio Elementary School	-	1	damaged due to flooding
	Malasin Elementary School	-	1	damaged due to flooding
	Gaddanan Elementary School	-	1	damaged due to flooding
	Calamaqui North Elementary School	-	1	damaged due to flooding
	San Rafael Elementary School	-	1	damaged due to flooding
	Fugu Abajo Elementary School	-	1	damaged due to flooding
	Paragu Elementary School	-	1	damaged due to flooding
	Anao Elementary School	-	1	damaged due to flooding
	San Bernardo Elementary School	-	1	damaged due to flooding
	Casibarag Norte Elementary School	-	1	damaged due to flooding
	San Juan Elementary School	-	1	damaged due to flooding
	Pilig Alto Elementary School	-	1	damaged due to flooding
	Pilig Abajo Elementary School	-	1	damaged due to flooding
	San Andres Elementary School	-	1	damaged due to flooding
	Carmencita Elementary School	-	1	damaged due to flooding
	Annanfunan Elementary School	-	1	damaged due to flooding
	Echaque National High School	-	1	damaged due to flooding
	Echague West Central School	-	1	damaged due to flooding
	Quinalabasa Elementary School	-	1	damaged due to flooding
	Santiago Elementary School	-	1	damaged due to flooding
	Santor Elementary School	-	1	damaged due to flooding
	Reina Mercedes National High School	-	1	damaged due to flooding
	Nuessa Elementary School	-	1	damaged due to flooding
	Mozzozzin Elementary School	-	1	damaged due to flooding
	San Francisco Elementary School	-	1	damaged due to flooding
	Josephina Albano National High School	-	1	damaged due to flooding
	Caligayan Elementary School	-	1	damaged due to flooding

REGION / PROVINCE / CITY / MUNICIPALITY	SCHOOL	TOTALLY DAMAGED	PARTIALLY DAMAGED	REMARKS
<i>Isabela</i>	Liwanag Elementary School	-	1	damaged due to flooding
	Tumauini National High School	-	1	damaged due to flooding
CAR		0	13	
Apayao		0	6	
<i>Luna</i>	Luyon Primary School	-	1	damaged due to flooding
	Palungkada Elementary School	-	1	damaged due to flooding
	Tumog Elementary School	-	1	damaged due to flooding
	Tumog National Agricultural and Trade High School	-	1	damaged due to soil erosion and mudflow
	Luna National High School	-	1	damaged due to flooding
	Capagaypayan Primary School	-	1	damaged due to flooding
Benguet		0	7	
<i>Bokod</i>	Bakian Guiniawan Elementary School	-	1	damaged due to landslide
<i>Buguias</i>	Pugo James Mocate Elementary School	-	1	damaged due to landslide
	Cayapa Elementary School	-	1	damaged due to landslide
	Tonglo Cariño Elementary School	-	1	damaged due to landslide
<i>Kabayan</i>	Abucot Elementary School	-	1	damaged due to landslide
<i>Kapangan</i>	Taba-ao Marcos Elementary School	-	1	damaged due to landslide
	Pongayan Barrio School	-	1	damaged due to landslide

Source: DEpED

**Preparedness Measures and Effects of Northeast Monsoon and Tail-End of a Cold Front (TECF) in
Regions II and CAR
ROADS AND BRIDGES**

ROAD SECTION / BRIDGE		STATUS	REMARKS
TOTAL	126		
REGION II	64		
CAGAYAN	57		
Abulug	Manila North Road, K0664+000-K0664+500, Calog Sur	Passable as of 07 December 2019, 7:20 AM	Reported not passable due to landslide on 06 December 2019
	Sition Bannag Road	Passable as of 07 December 2019	Reported not passable due to flooding on 05 December 2019, 10:00 AM
Alcala, Cagayan Valley Road	K0513+300-K0514+000, K0515+700-K0515+740	Passable as of 07 December 2019, 4:00 AM	Reported not passable due to flooding on 06 December 2019
	K0515+900-K0516+300, Alcala Section	Passable as of 07 December 2019, 4:00 AM	Reported not passable due to flooding on 06 December 2020
Amulung	Aguirit Road	Passable on 07 December 2019	Not passable due to flooding on 5 December 2019, 4:00 PM
	Bacuit Road	Passable on 07 December 2019	Not passable due to flooding on 5 December 2019, 4:00 PM
	Annabuculan Road	Passable on 07 December 2019	Not passable due to flooding on 5 December 2019, 4:00 PM
	Unneg Road	Passable on 07 December 2019	Not passable due to flooding on 5 December 2019, 4:00 PM
	Bauan Road	Passable on 07 December 2019	Not passable due to flooding on 5 December 2019, 4:00 PM
	Dafunganay Road	Passable on 07 December 2019	Not passable due to flooding on 5 December 2019, 4:00 PM
	Palaku Road	Passable on 07 December 2019	Not passable due to flooding on 5 December 2019, 4:00 PM
	Calamagui Road	Passable on 07 December 2019	Not passable due to flooding on 5 December 2019, 4:00 PM
Allacapan	Anquiray Road	Passable on 07 December 2019	Not passable due to flooding on 5 December 2019, 4:00 PM
	Mapurao Kapanickian Road	Passable as of 09 December 2019, 8:00 AM	Reported not passable on 05 December 2019, 7:00 AM due to flooding
Baggao	Mocag Overflow Bridge	Passable as of 08 December 2019	Reported not passable due to swollen river on 05 December 2020, 12:00 PM
	San Isidro Taytay Overflow Bridge	Passable as of 08 December 2019	Reported not passable due to swollen river on 05 December 2020, 12:00 PM
	Annayatan Santor Overflow Bridge	Passable as of 08 December 2019	Reported not passable due to swollen river on 05 December 2020, 12:00 PM
	Ibulo Overflow Bridge	Passable as of 08 December 2019	Reported not passable due to swollen river on 05 December 2020, 12:00 PM
	Massisit Section, K0533 + 270	Passable as of 06 December 2019, 6:00 PM	Reported not passable due to landslide on 05 December 2020
	Massisit Detour	Passable as of 08 December 2019	Reported not passable due to swollen river on 05 December 2020, 12:00 PM
	Bitag Pequeno Overflow Bridge	Passable as of 08 December 2019	Reported not passable due to swollen river on 05 December 2020, 12:00 PM
	Hacienda – Asinga Via Overflow Bridge	Passable as of 08 December 2019	Reported not passable due to swollen river on 05 December 2020, 12:00 PM
	Baybayog-Baggao-San Jose-Abusag-Dalin-Sta. Margarita Road K0520+050	Passable as of 06 December 2019, 6:00 PM	Reported not passable on 05 December 2019, 12:00 NN
Poblacion - Bagunot Road	Passable as of 08 December 2019	Reported not passable due to swollen river on 05 December 2020, 12:00 PM	
Buguey	Pattao-Binag	Passable as of 08 December 2019	Reported not passable on 06 December 2019, 10:00 AM due to flooding
Claveria	Manila North Road, K0600+700 - K0600+670, Lablabig	Passable as of 10 December 2019, 6:00 PM	Reported not passable on 06 December 2019 due to landslide
	Manila North Road, K0602+300, Union going to Lablabig	Passable	Passable to light vehicles only due to road cut
	Claveria Dibalio Luzon Cagayan Boundary Road K0621+000 - K0621+600	One lane Passable	Scoured shoulder
Iguig	Barangay Santiago Bridge	Passable as of 17 December 2019	Reported not passable due to swollen river on 05 December 2020, 9:00 AM
Lal-Lo	Malanao Brgy Road going to Brgy Hall	Passable as of 08 December 2019	Reported not passable to light vehicles on 06 December 2019, 8:00 AM due to above knee level flooding.
	Catugan Brgy Road	Passable as of 08 December 2019	Reported not passable to light vehicles on 06 December 2019, 8:00 AM due to above knee level flooding.
	Paranum Barangay Road	Passable as of 08 December 2019	Reported not passable to light vehicles on 06 December 2019, 8:00 AM due to above knee level flooding.
	Tucalana Real St. Provincial Road z1 and z2	Passable as of 08 December 2019	Reported not passable to light vehicles on 06 December 2019, 8:00 AM due to above knee level flooding.
	Dappa, Centro Municipal Road	Passable as of 08 December 2019	Reported not passable to light vehicles on 06 December 2019, 8:00 AM due to above knee level flooding.
	Malanao Overflow Bridge	Passable as of 08 December 2019	Reported not passable due to swollen river
	Catayauan - Dalaya Barangay Road	Passable as of 08 December 2019	Reported not passable to light vehicles on 07 December 2019, 8:00 AM due to flooding.
Lasam	Callapangan Bridge going to Sto. Niño	Passable as of 08 December 2019	Reported not passable on 05 December 2019, 10:00 AM due to swollen river

ROAD SECTION / BRIDGE		STATUS	REMARKS
Pamplona	Gattu Road	Passable as of 08 December 2019	Reported not passable to light vehicles on 05 December 2019, 9:00 AM
Peñablanca	Baliuag-Namabalan Road	Passable as of 08 December 2019	Reported not passable on 05 December 2019, 8:00 AM due to flooding
Sanchez Mira	Sanchez Mira Bridge, Manila North Road K0632+474		Closed to traffic due to scoured pier on 07 December 2019
	Sitio Balleg of Brgy. Bangan to Sitio Labbeng of Brgy. Dagueray	Passable as of 08 December 2019	Reported not passable on 05 December 2019, 9:00 AM due to flooding
	Brgy. Bangan to Sitio Cusipeng	Passable as of 08 December 2019	Reported not passable on 05 December 2019, 9:00 AM due to flooding
Santa Praxedes	Manila North Road, K0590 +(020) San Juan	One lane passable to light vehicles on 13 December 2019, 7:00 AM	Closed to traffic on 11 December 2019 due to road cut
	Manila North Road, K0590 +150 - K05920 + 200, San Juan	One lane passable to light vehicles on 13 December 2019, 12:00 PM	Reported one lane passable on 08 December 2019
	Manila North Road, K0589 +800, San Juan	Passable as of 08 December 2019	
Solana	Ubong Road	Passable as of 08 December 2019	Reported not passable on 05 December 2019, 7:30 AM due to flooding
	Carilucud Road	Passable as of 08 December 2019	Reported not passable on 05 December 2019, 7:30 AM due to flooding
	Dassun Road	Passable as of 08 December 2019	Reported not passable on 05 December 2019, 12:00 AM due to flooding
	Sitio Ipil Road	Passable as of 08 December 2019	Reported not passable on 05 December 2019, 12:00 AM due to flooding
	Brgy. Bauan Road	Passable as of 08 December 2019	Reported not passable on 05 December 2019, 12:00 AM due to flooding
Sto. Niño	Calassitan Bridge	Passable as of 11 December 2019, 12:00 PM	Reported not passable on 05 December 2019 due to collapsed span/portion of the bridge
Tuao	Malumin Bridge	Passable as of 07 December 2019	Reported not passable on 05 December 2019, 4:00 AM due to swollen bridge
Tugegerao City	Divisoria Bridge, K0461 + (-465) along Cagayan Valley Road	Passable as of 06 December 2019, 12:00 PM	Reported not passable on 5 December 2019, 8:00 AM
	Linao Road (back of airport)	Passable as of 07 December 2019, 7:00 PM	Reported not passable on 05 December 2019, 11:45 AM due to flooding
	Diversion Road in front of Florida Terminal	Passable as of 06 December 2019, 2:00 PM	Reported not passable on 05 December 2019, 10:40 AM due to flooding
	Macapagal Avenue	Passable as of 08 December 2019	Reported not passable on 05 December 2019 due to swollen river
	Don Domingo Road	Passable as of 07 December 2019, 7:00 PM	Reported not passable on 05 December 2019 due to flooding
ISABELA	5		
Cauayan City	Sipat Bridge	Passable as of 06 December 2019, 10:00 AM	Reported not passable on 05 December 2019, 6:36 AM due to swollen river
	Ragpatan Bridge to Brgy. District 3	Passable as of 06 December 2019, 10:00 AM	Reported not passable on 05 December 2019, 6:42 AM due to flooding
	Buduan Bridge	Passable as of 06 December 2019, 10:00 AM	Reported not passable on 05 December 2019, 6:57 AM due to flooding
	Villa Luna Stretch (Brgy. Mabantad going to Brgy. Villa Luna)	Passable as of 06 December 2019, 10:00 AM	Reported not passable on 05 December 2019, 7:00 AM due to flooding
Ilagan City	Abuan Bridge going to Divilacan Isabela	Passable as of 10 December 2019	Reported not passable on 06 December 2019, 11:00 AM due to landslide
NUEVA VIZCAYA	2		
Kasibu	K0310+300, Pap-Mal-Wang-Bin-tad-Runruno (Binowagan Section, Kasibu)	One lane passable	One lane passable due to road slip
	K03012+150, Pap-Mal-Wang-Bin-tad-Runruno (Tadji Section, Kasibu)	One lane passable	One lane passable due to road slip
CAR	62		
APAYAO	34		
Apayao -Ilocos Norte Road	K0631+000 - K0632+050, Dibagat, Kabugao	Passable as of 10 December 2019	Reported closed to traffic on 06 December 2019 due to soil slope collapse
	K0631+050, Dibagat, Kabugao	Passable as of 10 December 2019	Reported closed to traffic on 06 December 2019 due to soil slope collapse
	K0608+(000) - K0608+030, Bunot Section	One lane passable as of 10 December 2019	Reported closed to traffic on 6 December 2019, 10:00 AM due to soil slope collapse
	K0608+(100) - K0608+120, Bunot Section	One lane passable as of 10 December 2019	Reported closed to traffic on 6 December 2019, 10:00 AM due to soil slope collapse
	K0626+000-K0626+150, Sta. Elena, Calanasan	Passable as of 15 December 2019	Reported closed to traffic on 09 December 2019, 5:00 PM due to soil slope collapse
	K0636+300-K0636+330, Maragmin Section, Calanasan	Passable as of 15 December 2019	Reported closed to traffic on 06 December 2019, 5:00 PM due to soil slope collapse
	K0633+550-K0634+900, with exceptions Sta Elena, Calanasan	Closed to traffic	Reported closed to traffic on 06 December 2019, 5:00 PM due to series of soil slope collapse
	K0638+000 - K0644+000 with exceptions, Maragmin Section, Calanasan,	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 06 December 2019, 10:00 AM due to series of soil collapse and road slip
	K0639+400 - K0639+420, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 06 December 2019, 10:00 AM due to series of soil collapse and road slip
	K0639+500 - K0639+510, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 06 December 2019, 10:00 AM due to series of soil collapse and road slip
	K0639+750 - K0639+770, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 06 December 2019, 10:00 AM due to series of soil collapse and road slip
	K0639+850 - K0639+880, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 06 December 2019, 10:00 AM due to series of soil collapse and road slip
	K0639+950 - K0639+990, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 06 December 2019, 10:00 AM due to series of soil collapse and road slip

ROAD SECTION / BRIDGE		STATUS	REMARKS
Claveria-Calanasan - Kabugao Road	K0640+300 - K0640+310, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 06 December 2019, 10:00 AM due to series of soil collapse and road slip
	K0640+550 - K0640+565, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 06 December 2019, 10:00 AM due to series of soil collapse and road slip
	K0640+700 - K0640+720, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 06 December 2019, 10:00 AM due to series of soil collapse and road slip
	K0641+300 - K0641+320, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 06 December 2019, 10:00 AM due to soil slope collapse
	K0641+650 - K0641+670, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 08 December 2019, 10:00 AM due to soil slope collapse
	K0641+850 - K0641+945, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 08 December 2019, 10:00 AM due to soil slope collapse
	K0642+750 - K0642, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 08 December 2019, 10:00 AM due to soil slope collapse
	K0643+150 - K0643+175, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 08 December 2019, 10:00 AM due to road cut
	K0643+450 - K0643+468, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 08 December 2019, 10:00 AM due to soil slope collapse
	K0643+750 - K0643+780, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 08 December 2019, 10:00 AM due to soil slope collapse
	K0643+880 - K0643+940, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 08 December 2019, 10:00 AM due to soil slope collapse
	K0644+280 - K0644+330, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 08 December 2019, 10:00 AM due to road slip with damaged PCCP (4 Blocks)
	K0644+380 - K0644+410, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 08 December 2019, 10:00 AM due to soil slope collapse
	K0644+550 - K0644+590, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 08 December 2019, 10:00 AM due to soil slope collapse with road slip and damaged cribwall
	K0646+300 - K0646+525, Maragmin Section, Calanasan	Passable as of 10 December 2019, 5:00 PM	Reported closed to traffic on 07 December 2019, 5:45 PM due to soil slope collapse
	K0646+525 - K0649+600, with exceptions, Salagunting Section, Calanasan	Passable as of 10 December 2019, 5:00 PM	Reported closed to traffic on 07 December 2019, 5:45 PM due to series of soil collapse and road slip
Claveria-Calanasan - Kabugao Road	K0639+600 - K0639+625, Maragmin Section, Calanasan	Passable as of 05 December 2019, 12:30 PM	
	K0638+000 - K0641+000, Maragmin Section, Calanasan	Passable as of 13 December 2019, 10:00 AM	Reported closed to traffic on 6 December 2019, 10:00 AM
	K0643+400 - K0643+450, Maragmin Section, Calanasan	Passable as of 05 December 2019, 12:30 PM	
	K0608+(-075) - K0608+(-045), Bunot Section	Passable as of 07 December 2019	Reported closed to traffic on 6 December 2019, 10:00 AM
	K0646+300 - K0649+600 with exceptions, Salagunting Section, Calanasan	Passable	DPWH equipment and private equipment were mobilized in the area
BENGUET	1		
	K0344+250 - K0344+280 Congressman Andres Acop Cosalan Road	One lane passable as of 06 December 2019, 10:55 AM	
IFUGAO	9		
Kiangnan-Tinoc-Buguias Road	K0327+100 - K0327+110, Nagacadan, Kiangnan	Passable as of 06 December 2019, 10:55 AM	
	K0345+950 - K0346+020, Binablayan, Tinoc, Ifugao	Passable as of 05 December 2019, 12:30 PM	
	K0352+020 - K0352+050, Gumhang, Tinoc, Ifugao	Passable as of 05 December 2019, 12:30 PM	
	K0353+000 - K0353+005, Gumhang, Tinoc, Ifugao	Passable as of 05 December 2019, 12:30 PM	
	K0353+500 - K0353+508, Gumhang, Tinoc, Ifugao	Passable as of 05 December 2019, 12:30 PM	
	K0354+000 - K0354+080, Gumhang, Tinoc, Ifugao	Passable as of 05 December 2019, 12:30 PM	
	K0356+300 - K0356+310, Apapid, Tinoc, Ifugao	Passable as of 05 December 2019, 12:30 PM	
Banaue-Hunduan-Benguet Bdry Road	K0396+300 - K0396+336, Tulludan, Tinoc, Ifugao	Passable as of 05 December 2019, 12:30 PM	
	K0402+100 - K0402+140, Tukucan, Tinoc, Ifugao	Passable as of 15 December 2019	Reported closed to traffic on 05 December 2019, 12:30 PM due to road slip
KALINGA	6		
Tabuk-Banaue Road	K0522+200 - K0522+250 Matteled Section, Dupligan, Tanudan	Passable as of 10 December 2019, 6:30 AM	Reported closed to traffic on 05 December 2019, 08:50 AM due to road slip
	K0538+100 - K0538+115, Lubo, Tanudan	Passable as of 10 December 2019, 6:30 AM	Reported closed to traffic on 05 December 2019, 08:50 AM due to soil collapse
Balbalan - Pinukpuk Road	K0487+290, Brgy. Maling, Balbalan, Kalinga	CLOSED TO TRAFFIC	Closed to traffic on 9 December 2019, 11:00 AM. Alternate route: Mt. Province Bdry. - Calanan-Pinukpuk-Abbut Road
Lubuagan-Batong-Buhay Road	K0452+350 - K0452+380	One lane passable as of 07 December 2019, 6:45 AM	Reported closed to traffic on 6 December 2019, 5:00 PM due to debris flow
	K0465+790, Colong Section	One lane passable as of 07 December 2019, 6:45 AM	
Pasil Kalinga	K0478+200 - K0478+205 Balatoc, Pasil, Kalinga	Passable as of 08 December 2019	Reported closed to traffic on 6 December 2019, 5:00 PM.
MOUNTAIN PROVINCE	12		
	K0421+850 - K0421+870, Kadaclan, Barlig	Passable as of 06 December 2019, 8:30 AM	
	K0426+200 - K0426+225, Banao, Natonin	Passable as of 06 December 2019, 10:30 AM	

ROAD SECTION / BRIDGE	STATUS	REMARKS
Jct. Talubin-Barlig-Natonin-Paracelis-Calaccad Road	K0426+250 - K0426+290, Banao, Natonin	Passable as of 05 December 2019, 10:00 AM
	K0426+300 - K0426+330, Banao, Natonin	Passable as of 06 December 2019, 10:30 AM
	K0428+350 - K0426+360, Banao, Natonin	Passable as of 06 December 2019, 10:30 AM
Jct. Talubin-Barlig-Natonin-Paracelis-Calaccad Road	K0429+940 - K0429+950, Banao, Natonin	Passable as of 06 December 2019, 10:30 AM
	K0396+750 - K0396+760, Poblacion, Barlig	Passable as of 05 December 2019, 10:00 AM
	K0426+150 - K0426+170, Banao, Natonin	Passable as of 05 December 2019, 10:00 AM
	K0430+500 - K0430+510, Tonglayan, Natonin	Passable as of 5 December 2019, 12:20 PM
	K0433+950 - K0433+980, Alunogan, Natonin	Passable as of 5 December 2019, 12:20 PM
	K0433+450 - K0433+520, Poblacion, Natonin	Passable as of 5 December 2019, 1:40 PM
	K0443+350 - K0443+360, Banawel, Natonin	Passable as of 06 December 2019, 10:30 AM

Sources: OCDROs CAR and II

**Preparedness Measures and Effects of Northeast Monsoon and Tail-End of a Cold Front (TECF) in
Regions II and CAR
FLOODED AREAS**

Region / Province / City / Municipality	Area (Barangay / Street Name / Sitio)	Water Level (ft)	Remarks
GRAND TOTAL	117		
REGION II	101		
Cagayan	18		
<i>Lal-Lo</i>	Centro	Less than 2 ft	Subsided on 08 December 2019
	Logac	Above the knee	Subsided on 08 December 2019
	Malanao	Above the knee	Subsided on 08 December 2019
	San Antonio	Above the knee	Subsided on 08 December 2019
	Jurisdiction	Knee level	Subsided on 08 December 2019
	Maxingal	Below the knee	Subsided on 08 December 2019
	Lalafugan	Above the knee	Subsided on 08 December 2019
	Tucalana	Knee level	Subsided on 08 December 2019
<i>Lasam</i>	Bagumbayan	Knee level	Subsided on 08 December 2019
	Cabatacan East	2 ft	Subsided on 04 December 2019, 4:00 PM
	Cabatacan West	2 ft	Subsided on 04 December 2019, 4:00 PM
<i>Rizal</i>	Sitio Cordero, Brgy. San Pedro	2 ft	Subsided on 04 December 2019, 4:00 PM
	Brgy Duyun	2.6 ft	Subsided on 08 December 2019
	Brgy Mauanan	2.6 ft	Subsided on 08 December 2019
	Brgy Baluncanag	2.6 ft	Subsided on 08 December 2019
<i>Santo Niño</i>	Gagabutan West	2.6 ft	Subsided on 08 December 2019
	Brgy Nag-uma	39.3 ft	Subsided on 08 December 2019
	Brgy Niug Norte	39.3 ft	Subsided on 08 December 2019
Isabela	83		
<i>Mallig</i>	Rang-ayan	1 ft	Subsided on 08 December 2019
<i>Alicia</i>	Rizal	3.2 ft	Subsided on 08 December 2019
<i>Cauayan</i>	District 2	6.5 ft	Subsided on 08 December 2019
	San Isidro	1.6 ft	Subsided on 5 December 2019, 8:00 AM
	Cainaoan Sur	3.2 ft	Flooding started on 5 December 2019, 4:00 AM and subsided on 6 December 2019, 5:00 AM
	San Roque	3.2 ft	Flooding started on 5 December 2019, 5:00 AM and subsided on 5 December 2019, 9:00 PM
	Visitacion	3.2 ft	Flooding started on 5 December 2019, 4:00 AM and subsided on 5 December 2019, 10:00 PM
	San Adres	3.2 ft	Flooding started on 5 December 2019, 6:00 AM and subsided on 5 December 2019, 7:00 PM
	San Patricio	3.2 ft	Flooding started on 5 December 2019, 8:30 AM and subsided on 5 December 2019, 4:40 PM
<i>Ilagan City</i>	Ragan	3.2 ft	Flooding started on 5 December 2019, 4:00 AM and subsided on 5 December 2019, 5:00 AM
	Aggasian (Purok 7)	5 ft.	Subsided on 08 December 2019
	Alibagu	4 ft.	Subsided on 08 December 2019
	Alinguigan 2nd	18 ft.	Subsided on 08 December 2019
	Alinguigan 3rd	15 ft.	Subsided on 08 December 2019
	Baculud	10 ft.	Subsided on 08 December 2019
	Bagumbayan	6 ft.	
	Baligatan	4 ft.	Subsided on 08 December 2019
	Bangag	4 ft.	Subsided on 08 December 2019
	Batong Labang	3 ft.	Subsided on 08 December 2019
	Cabisera 8	6 ft.	Subsided on 08 December 2019
	Cabisera 10	10 ft.	Subsided on 08 December 2019
	Cabisera 14-16	8 ft.	Subsided on 08 December 2019
	Cabisera 19	10 ft.	Subsided on 08 December 2019
	Cabisera 22	4 ft.	Subsided on 08 December 2019
	Cabisera 25	8 ft.	Subsided on 08 December 2019
	Calamagui 1st	4 ft.	Subsided on 08 December 2019
	Calamagui 2nd	3 ft.	Subsided on 08 December 2019
	Camunatan	12 ft.	Subsided on 08 December 2019
	Fugu	12 ft.	Subsided on 08 December 2019
Guinatan	5 ft.	Subsided on 08 December 2019	
Malalam	8 ft.	Subsided on 08 December 2019	
Manaring	5 ft.	Subsided on 08 December 2019	
Marana 2nd	12 ft.	Subsided on 08 December 2019	

Region / Province / City / Municipality	Area (Barangay / Street Name / Sitio)	Water Level (ft)	Remarks
Ilagan City	Marana 3rd	3 ft.	Subsided on 08 December 2019
	Osmeña	4 ft.	Subsided on 08 December 2019
	Cabisera 2	2 ft.	Subsided on 08 December 2019
	Cabisera 3	2 ft.	Subsided on 08 December 2019
	Cabisera 9-11	4 ft.	Subsided on 08 December 2019
	Lullutan	3 ft.	Subsided on 08 December 2019
	Naguilian Sur	3 ft.	Subsided on 08 December 2019
	Rugao	4 ft	Subsided on 08 December 2019
	San Felipe	5 ft	Subsided on 08 December 2019
	San Juan	4 ft.	Subsided on 08 December 2019
	San Vicente	10 ft.	Subsided on 08 December 2019
	Sipay	18 ft.	Subsided on 08 December 2019
	Sta Barbara	8 ft.	Subsided on 08 December 2019
	Sto. Tomas	8 ft.	Subsided on 08 December 2019
	Aggasian		Subsided on 08 December 2019
	Alinguigan 1st		Subsided on 08 December 2019
	Cabisera 4		Subsided on 08 December 2019
	Cabisera 5		Subsided on 08 December 2019
	Cabisera 6-24		Subsided on 08 December 2019
	Cabisera 7		Subsided on 08 December 2019
	Cabisera 8		Subsided on 08 December 2019
	Cabisera 17-21		Subsided on 08 December 2019
	Cabisera 23		Subsided on 08 December 2019
	Cabisera 27		Subsided on 08 December 2019
	Centro San Antonio		Subsided on 08 December 2019
	Nanaguan		Subsided on 08 December 2019
Paliueg		Subsided on 08 December 2019	
Sindun Bayabo		Subsided on 08 December 2019	
Sidun Maride		Subsided on 08 December 2019	
San Ignacio		Subsided on 08 December 2019	
Roxas	Sotero Nuesa	1 ft	Subsided on 08 December 2019
	Sitio Puragit, San Antonio	1 ft	Subsided on 08 December 2019
	Sitio Acacia, San Jose	1 ft	Subsided on 08 December 2019
Tumauini	Balug	6.5 ft	Subsided on 06 December 2019
	Minanga	6.5 ft	Subsided on 06 December 2019
	Sisim Abajo	6.5 ft	Subsided on 06 December 2019
	Sisim Alto	6.5 ft	Subsided on 06 December 2019
	Pilitan	6.5 ft	Subsided on 06 December 2019
	Paragu	6.5 ft	Subsided on 06 December 2019
	Sta. Catalina	6.5 ft	Subsided on 06 December 2019
	Fugu Abajo	6.5 ft	Subsided on 06 December 2019
	Fugu Norte	6.5 ft	Subsided on 06 December 2019
	Moldero	6.5 ft	Subsided on 06 December 2019
	Fugu Sur	6.5 ft	Subsided on 06 December 2019
	Malamag East	6.5 ft	Subsided on 06 December 2019
	Sinippil	6.5 ft	Subsided on 06 December 2019
	Malamag West	6.5 ft	Subsided on 06 December 2019
	Fermeldy	6.5 ft	Subsided on 06 December 2019
	Ugad (Portion only)	6.5 ft	Subsided on 06 December 2019
Lanna	6.5 ft	Subsided on 06 December 2019	
CAR	16		
Apayao	16		
Luna	Zumigui	1 ft	Subsided on 08 December 2019
	Lappa	1 ft	Subsided on 08 December 2019
	Poblacion	1 ft	Subsided on 08 December 2019
	Turod	1 ft	Subsided on 08 December 2019
	Capagaypayan	1 ft	Subsided on 08 December 2019
	Luyon	1 ft	Subsided on 08 December 2019
	San Isidro Norte	1 ft	Subsided on 08 December 2019
	San Gregorio	1 ft	Subsided on 08 December 2019
	San Isidro Sur	1 ft	Subsided on 08 December 2019
	San Sebastian	1 ft	Subsided on 08 December 2019
Calayuay	1 ft	Subsided on 08 December 2019	
Calanasan	Sta. Filomena	3-4 feet	Subsided on 6 December 2019, 7:00 AM
	Macalino	3-4 feet	Subsided on 6 December 2019, 7:00 AM
	Sta. Elena	3-4 feet	Subsided on 6 December 2019, 7:00 AM
Flora	Sta. Maria	2-3 feet	Subsided on 6 December 2019, 5:00 AM
Pudtol	Cabatacan	2-3 feet	Subsided on 6 December 2019, 12:00 PM

Sources: OCDROs II and CAR