




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 for Tropical Storm "FALCON" (15 – 18 July 2019)

Releasing Officer:

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

Sources: DOST-PAGASA, DILG, DSWD, DepEd, DA, OCDROs I, II, and CAR

## I. SITUATION OVERVIEW

### Chronology of Typhoon Track



### 14 July 2019

Tropical Storm "FALCON" is the 6<sup>th</sup> tropical cyclone (TC) that developed inside the Philippine Area of Responsibility (PAR) in 2019.

It originated from a Low Pressure Area (LPA) and part of a monsoon depression located near Mariana Islands. It moved westward and entered the PAR as an LPA on 14 July 2019, 2:00 PM.

### 15 July 2019

The LPA developed into a tropical storm on 15 July 2019, 2:00 PM with estimated maximum winds of 45 km/h.

At 10:00 AM, the center of TD "FALCON" was estimated at 855 km East Northeast of Casiguran, Aurora, or 890 km East of Tuguegarao City, Cagayan (17.1°N, 130.1°E) with maximum winds of up to 55 km/h near the center and gustiness of up to 65 km/h.

Tropical Cyclone Warning Signal (TCWS) No. 1 was raised over Northern Isabela, Cagayan, and Batanes.

## **16 July 2019**

At 5:00 PM, TD "FALCON" intensified into a Tropical Storm (TS) as it moved westward.

At 10:00 PM, the center of TS "FALCON" was estimated based on all available data at 195 km East Southeast of Tuguegarao City, Cagayan moving west at 25 km/h with maximum sustained winds of up to 65 km/h near the center and gustiness of up to 80 km/h.

TWCS No. 2 was raised over Batanes and north-eastern portion of Cagayan including Babuyan Group of Islands. While, TCWS #1 was raised over the rest of Cagayan, Ilocos Norte, Abra, Apayao, Kalinga, Isabela, Mountain Province, Ifugao, northern portion of Aurora, northern portion of Nueva Vizcaya, and northern portion of Quirino.

## **17 July 2019**

At 12:30 AM, "FALCON" made landfall over Gattaran, Cagayan.

At 4:00 AM, the center of TS "FALCON" was estimated in the coastal waters of Aparri, Cagayan (18.5 °N, 121.5 °E) moving West Northwest at 35 km/h with maximum sustained winds of up to 65 km/h near the center and gustiness of up to 80 km/h.

TCWS No. 2 was raised over Apayao, Batanes, and Cagayan including Babuyan Group of Islands.

TCWS No. 1 was raised over Ilocos Norte, Abra, Kalinga, Isabela, Mountain Province, Ifugao, northern portion of Aurora, northern portion of Nueva Vizcaya, and northern portion of Quirino.

As of 8:00 AM, TCWS No. 1 over Abra, Kalinga, Isabela, Mt. Province, and Ifugao has been lifted

As of 11:00 AM, TCWS No. 2 over Apayao and Cagayan including Babuyan Group of Islands has been lifted

## **18 July 2019**

As of 5:00 AM, TCWS No. 1 over northern portion of Cagayan has been lifted.

As of 11:00 AM. TCWS No. 2 over Batanes has been lifted.

As of 5:00 PM, TS "FALCON" has exited the Philippine Area of Responsibility and all TCWS has been lifted.

## **II. EFFECTS**

### **A. Incident Monitored (TAB A)**

A total of **8 incidents** (landslide, flooding/flashflood, and vehicular accident) were reported in Regions II and CAR.

## B. Affected Population (TAB B)

A total of **756 families / 3,444 persons** were affected in **30 barangays** in Regions I, II, and CAR. Of which, a total of **258 families / 1,002 persons** were served inside and outside evacuation centers.

Source: DSWD DROMIC Terminal Report on Tropical Storm "FALCON"

## C. Damaged Houses

A total of **3 damaged houses (1 totally / 2 partially)** were reported in Regions I and CAR.

REGION / PROVINCE / MUNICIPALITY	NO. OF DAMAGED HOUSES		
	Totally	Partially	GRAND TOTAL
<b>TOTAL</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>REGION I</b>	-	1	1
Ilocos Norte	-	1	1
Burgos	-	1	1
<b>CAR</b>	1	1	2
Apayao	1	1	2
Pudtol	1	1	2

Source: DSWD DROMIC Terminal Report on Tropical Storm "FALCON"

## D. Status of Lifelines

### 1. Roads and Bridges (TAB C)

A total of **13 road sections and 3 bridges** were affected in Regions II and CAR.

### 2. Airports

A total of **12 domestic flights were cancelled** on 16-17 July 2019 due to the weather disturbance. All flights have been resumed as of 18 July 2019.

Flight Number	Destination	Date of Cancellation	Date of Resumption
<b>Cebu Pacific</b>	<b>6</b>		
5J 506 / 5J 507	Manila-Tuguegarao-Manila	16-Jul-19	16-Jul-19
5J196 / 197	Manila-Cauayan-Manila	17-Jul-19	18-Jul-19
5J504 / 505	Manila-Tuguegarao-Manila	17-Jul-19	18-Jul-19
<b>Philippine Airlines</b>	<b>4</b>		
PR 2696 / 2697	Clark-Basco-Clark	17-Jul-19	18-Jul-19
PR 2688 / 2689	Clark-Basco-Clark	17-Jul-19	18-Jul-19
<b>SKYJET</b>	<b>2</b>		
M8816 / 817	Manila-Basco-Manila	17-Jul-19	18-Jul-19

Sources: OCDROs and MIAA

### 3. Power Lines

Power interruption was experienced in **eight (8) municipalities** in CAR. Power has been restored in all municipalities.

REGION / PROVINCE	CITY / MUNICIPALITY / BARANGAY	DATE AND TIME OF INTERRUPTION
<b>CAR</b>		
Abra	Municipalities of Malibcong, Licuan - Baay, Dolores, and Tayum	16 July 2019, 9:28 PM

REGION / PROVINCE	CITY / MUNICIPALITY / BARANGAY	DATE AND TIME OF INTERRUPTION
	Lucab	16 July 2019, 10:20 PM
	Brgy. Collago, Lagayan	17 July 2019, 6:42 AM
Benguet	Poblacion, Atok	18 July 2019, 2:00 AM
Kalinga	Upper Municipality of Pasil	16 July 2019, 6:10 PM

Sources: OCDRO CAR

### E. Flooded Areas

Barangay Consuelo in Sta. Marcela, Apayao (CAR) experienced flooding with a depth of 1.5 ft.

### F. Suspension of Classes (TAB D)

Classes were suspended in **129 cities/municipalities** in Regions I, II, and CAR. Classes have been resumed in all cities/municipalities

### G. Damage to Agriculture

A total of **₱38,867,259.00 cost of damage to agriculture** was incurred in Regions II and CAR.

REGION/PROVINCE	CROPS	LIVESTOCK	IRRIGATION	TOTAL COST
<b>TOTAL</b>	<b>12,344,939.00</b>	<b>522,320.00</b>	<b>26,000,000.00</b>	<b>38,867,259.00</b>
<b>II</b>	<b>12,344,939.00</b>	<b>-</b>	<b>26,000,000.00</b>	<b>38,344,939.00</b>
Cagayan	10,556,039.00	-	26,000,000.00	36,556,039.00
Isabela	1,788,900.00			1,788,900.00
<b>CAR</b>	<b>-</b>	<b>522,320.00</b>		<b>522,320.00</b>
Apayao	-	492,320.00		492,320.00
Benguet	-	30,000.00		30,000.00

Sources: DA and OCDRO II

Note: Data on irrigation facilities were based on reports from NIA II submitted to OCD RO II

### H. Damage to Infrastructure (TAB E)

A total of **6 flood control structures and 41 roads and bridges** incurred partial damage amounting to ₱914,000,000.00 in Regions I and II.

## III. DISASTER PREPAREDNESS AND RESPONSE (TAB F)

### A. National Disaster Risk Reduction and Management Council

#### NDRRM Operations Center (NDRRMOC)

- NDRRMOC alert status was raised to BLUE on 15 July 2019, 5:00 PM.
- Conducted Pre-Disaster Risk Assessment (PDRA) Core Group Meeting on 15 July 2019, 3:00 PM at the NDRRMOC Conference Room, NDRRMOC Building, Camp General Emilio Aguinaldo, Quezon City.
- Disseminated a total of three (3) Emergency Alert and Warning Messages (EAWM):

<b>EAWM</b>	<b>Provinces</b>
16 July 2019, 6:16 PM for Severe Weather Bulletin No. 8 for TS "FALCON" TCWS No. 2	Provinces of Cagayan and Babuyan Group of Islands
17 July 2019, 12:30 AM for Severe Weather Bulletin No. 9 including TS "FALCON" landfall over Gattaran, Cagayan	Province of Cagayan
17 July 2019, 8:30 AM for Orange Rainfall Alert	Province of Zambales

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

RDRRMCs/OCDROs I, II, III, and CAR disseminated weather advisories / bulletins to RDRRMC member-agencies, P/C/MDRRMCs, and local media (radio stations) through OCD InfoBoard Text Blast System, and uploaded the same to social media accounts to effectively ensure public safety and achieve zero-casualty.

#### **IV. COST OF ASSISTANCE (TAB G)**

A total of **₱706,215.50** worth of assistance was provided by DSWD and LGUs to the affected families in Regions I, II, and CAR.

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## Preparedness Measures and Effects for Tropical Storm "FALCON"

## INCIDENTS MONITORED

15 - 18 July 2019

INCIDENT	REGION/AREA	TIME/DATE OF OCCURENCE	DESCRIPTION	ACTIONS TAKEN	REMARKS
<b>TOTAL INCIDENTS MONITORED</b>		<b>8</b>			
<b>FLOODING/FLASHFLOODS</b>		<b>5</b>			
<b>REGION II</b>		<b>5</b>			
<b>Cagayan</b>		<b>5</b>			
Lal-lo	Brgy. Magapit	16 July 2019, 8:30 PM	A flash flood incident occurred in Brgy. Magapit, Lal-lo, Cagaya due to debris blocking the drainage/canal system. A total of 180 households were affected.	Clearing Operation Team conducted declogging and removed the debris blocking the canal/drainage system.	Floodwater subsided on 16 July 2019, 10:00 PM. No casualties reported and families evacuated.
	Brgy. Lalafugan	17 July 2019, 6:00 AM	A flooding incident occurred in Brgy. Lalafugan, Lal-lo, Cagayan due to heavy rains and rising of stream affecting 94 families / 413 persons.	Appropriate action was undertaken by Search and Rescue Unit and Relief Operation Team	Floodwater subsided on 17 July 2019, around 10:00 PM. No casualties reported.
	Brgy. Logac	17 July 2019, 8:00 AM	A flooding incident occurred in Brgy. Logac, Lal-lo, Cagayan affecting 12 households.	Appropriate action was undertaken by Search and Rescue Unit and Relief Operation Team	Floodwater subsided on 17 July 2019, around 10:00 PM. No casualties reported.
Allapacan	Brgy. Labben and Daan-ili	16 July 2019, 8:00 PM	Parts of national roads were submerged due to heavy rains		Floodwaters subsided on 16 July 2019, at around 9:00 PM
	Brgys. Capanickian Sur, Cataratan, and Maluyo	17 July 2019, 12:00 AM	Parts of municipal roads were submerged due to heavy rains		Floodwaters subsided on 17 July 2019, at around 2:00 AM
<b>LANDSLIDE</b>		<b>2</b>			
<b>CAR</b>		<b>2</b>			
<b>Apayao</b>		<b>2</b>			
	Upper Maton, Pudtol, Apayao	17 July 2019, 5:00 AM	A landslide incident occurred in Upper Maton, Maton which damaged one house.	MDRRMC conducted clearing operations.	
	Mataguisi, Pudtol, Apayao	17 July 2019, 5:00 AM	A landslide incident occurred in Mataguisi, Pudtol which damaged one house. No casualties reported	MDRRMC conducted clearing operations.	
<b>VEHICULAR ACCIDENT</b>		<b>1</b>			
<b>CAR</b>		<b>1</b>			
<b>Mountain Province</b>		<b>1</b>			
	Guinzadan Sur, Bauko, Mountain Province	16 July 2019, 09:30 PM	A vehicular accident occurred along the Provincial Road of Guinzadan Sur, Bauko, Mountain Province involving a Toyota Tamaraw FX. The driver of the said vehicle observed that the brake of the vehicle was no longer working while driving along the descending part of the provincial road causing to drive towards the mountain slope and the vehicle incurred scratches and dented the right portion of the vehicle.	Bauko MPS together with 1502nd RMFB augmentation, fire personnel, and MDRRMC Bauko responded to the incident.	There was no reported casualty

Sources: OCDROs II and CAR

**Preparedness Measures and Effects for Tropical Storm "FALCON"**  
**AFFECTED POPULATION**  
 15 - 18 July 2019

Region/Province/ Mun/City	AFFECTED			No. of Evac Centers	Inside Evacuation Centers		Outside Evacuation Centers		TOTAL SERVED - CUMULATIVE (Inside + Outside)	
	Brgys	Families	Persons		Families	Persons	Families	Persons	Families	Persons
<b>GRAND TOTAL</b>	<b>30</b>	<b>756</b>	<b>3,444</b>	<b>34</b>	<b>141</b>	<b>595</b>	<b>117</b>	<b>407</b>	<b>258</b>	<b>1,002</b>
<b>REGION I</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>5</b>
<b>ILOCOS NORTE</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>5</b>
BURGOS	1	1	5	-	-	-	1	5	1	5
<b>REGION II</b>	<b>19</b>	<b>617</b>	<b>2,944</b>	<b>15</b>	<b>116</b>	<b>491</b>	<b>3</b>	<b>11</b>	<b>119</b>	<b>502</b>
<b>CAGAYAN</b>	<b>19</b>	<b>617</b>	<b>2,944</b>	<b>15</b>	<b>116</b>	<b>491</b>	<b>3</b>	<b>11</b>	<b>119</b>	<b>502</b>
TUGUEGARAO				0	0	0	-	-	0	0
ABULUG				0	0	0	0	0	0	0
ALCALA							0	0	0	0
ALLACAPAN	4	74	325	4	74	325	0	0	74	325
AMULUNG				0	0	0	0	0	0	0
APARRI	1	2	5	1	2	5	0	0	2	5
BAGGAO	1	1	3	1	1	3	0	0	1	3
BALLESTEROS							0	0	0	0
BUGUEY							0	0	0	0
CALAYAN							0	0	0	0
CAMALANIUGAN	1	5	19	1	5	19	0	0	5	19
CLAVERIA				-	-	-	-	-	0	0
ENRILE				0	0	0	-	-	0	0
GATTARAN				0	0	0	0	0	0	0
GONZAGA	2	9	41	2	9	41	0	0	9	41
IGUIG				0	0	0	0	0	0	0
LAL-LO	5	297	1,415	3	11	42	0	0	11	42
LASAM	1	8	39	1	8	39	0	0	8	39
PAMPLONA				0	0	0	0	0	0	0
PENABLANCA				0	0	0	0	0	0	0
PIAT				0	0	0	0	0	0	0
RIZAL				0	0	0	0	0	0	0
SANCHEZ-MIRA				0	0	0	0	0	0	0
SANTA ANA				0	0	0	0	0	0	0
SANTA PRAXEDES				-	-	-	0	0	0	0
SANTA TERESITA	3	219	1,091	1	4	11	3	11	7	22
SANTO NINO (FAIRE)				0	0	0	0	0	0	0
SOLANA	1	2	6	1	2	6	0	0	2	6
TUAO				0	0	0	0	0	0	0
<b>CAR</b>	<b>10</b>	<b>138</b>	<b>495</b>	<b>19</b>	<b>25</b>	<b>104</b>	<b>113</b>	<b>391</b>	<b>138</b>	<b>495</b>
<b>ABRA</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>
ILAGAYAN	1	1	2				1	2	1	2
<b>APAYAO</b>	<b>8</b>	<b>120</b>	<b>409</b>	<b>2</b>	<b>8</b>	<b>20</b>	<b>112</b>	<b>389</b>	<b>120</b>	<b>409</b>
PUDTOL	2	2	12	0	0	0	2	12	2	12
SANTA MARCELA	6	118	397	2	8	20	110	377	118	397
<b>MOUNTAIN PROVINCE</b>	<b>1</b>	<b>17</b>	<b>84</b>	<b>17</b>	<b>17</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>84</b>
SABANGAN	1	17	84	17	17	84	0	0	17	84

Source: DSWD DROMIC Terminal Report on Tropical Storm "FALCON"

**Preparedness Measures and Effects for Tropical Storm "FALCON"**  
**ROADS AND BRIDGES**  
 15 - 18 July 2019

ROAD SECTION / BRIDGE		STATUS	REMARKS
<b>REGION II</b>			
<b>Cagayan</b>			
Bangag-Magapit Road	K0693+500-K0694+000, Allacapan Section	Passable as of 18 July 2019, 8:30AM Reported Not Passable to Light Vehicles on 17 July 2019 due to flooding	Roadside Maintenance Crew dispatched to assist flow of traffic
Baggao	Bagunot Overflow Bridge	Passable as of 17 July 2019, 1:00 PM Not passable due to swollen river as of 17 July 2019, 5:00 AM.	
	Abusag Overflow Bridge	Reported passable as of 17 July 2019, 6:00 AM Not Passable as of 17 July 2019, 3:30 AM	
Peñablanca	Tawi Overflow Bridge	Passable to light vehicles only as of 17 July 2019, 5:00 AM.	Damaged approach
Rizal	Gagubatan West going to Zinundungan Road	Passable as of 18 July 2019	
		Not Passable as of 16 July 2019, 11:00 PM	
<b>Quirino</b>			
Detour road of on-going construction of Ngilinan Bridge along NRJ Villa Sur-San Pedro-Cabuaan-Ysmael-Disimungal Road	K0368+628 - K0369+015, Brgy. San Pedro, Madella, Quirino	Reported passable on 18 July 2019, 8:30 AM Reported Not Passable to Light Vehicles on 17 July 2019 due to flooded detour road	Roadside Maintenance Crew dispatched to assist flow of traffic. Alternate Route was opened
<b>CAR</b>			
<b>Ifugao</b>			
	K0522 + 200 -K0522 + 220, Matteled Section, Dupligan, Tanudan	Closed to traffic (soil erosion). Section was closed 16 July 2019 at 8:30 AM	Conducted clearing operations
<b>Apayao</b>			
Apayao - Ilocos Norte Road	K0610+100 - K0610+130 Brgy. Madduang, Kabuga	Punch thru open on 17 July 2019, 11:16 AM	Conducted clearing operations
		Reported not passable on 17 July 2019, 6:00 AM	
	K0622+900-k0622+930, Brgy. Madduang, Kabugao, Apayao	Punch thru open on 19 July 2019, 12:00 NN	Conducted clearing operations
		Reported not passable on 17 July 2019	
Claveria - Calanasan - Kabugao Road	K0711+950 - K0711+974, Kabuwagan, Calanasan, Apayao	Punch thru open on 22 July 2019, 12:00 NN	Conducted clearing operations
		Reported not passable on 18 July 2019. Punch Thru Open 07/18/2019, 5:00PM	
Apayao - Ilocos Norte Road	K0725+000 - K0725+025, Namaltugan, Calanasan, Apayao	Punch Thru Open 07/18/2019, 5:00PM	Conducted clearing operations
<b>Upper Kalinga</b>			
Mt. Province Boundary – Calanan-Abbut Road	K0422+550. Lakilak Section, Bugnay, Tinglayan, Kalinga	One lane passable (Soil Erosion). Conducted clearing operations using 1 backhoe and 1 loader	Section was reported one lane passable on 16 July 2019 at 9:00 AM. Section was on open/close situation due to unstable backslope.



ROAD SECTION / BRIDGE		STATUS	REMARKS
<b>Lower Kalinga</b>			
Tabuk - Banaue Road	K0522+200 - K0522+220, Matted Section, Duplingan, Tanudan	Reported not passable on 16 July 2019 due to soil erosion	Alternate Route: Cugal - Gombuwoy Provincial Road. Conducted clearing operations
<b>Benguet</b>			
Kennon Road		Not Passable due to unsafe road conditions	Alternate Route: Marcos Highway, Baguio-Bauang Road (Naguilian Road) or Asin-Nangalisan-San Pascual Road
Baguio-Bontoc Road		Not Passable due to road cut	Installed Warning Signs Alternate Route: Nacagang-Abatan, Bauko, Maba-ay Provincial road (2 lanes, concrete)
Governor Bado Dangwa National Road (formerly Acop-Kapangan-Kibungan-Bakun Road)	K0345+800 - K0345+890, Mogao, Gambang, Bakun, Benguet	Open to light vehicles only on 17 July 2019, 1:00 PM Reported Not Passable due to road slip on 17 July 2019, 5:00 AM	Installed Warning Signs. Alternate Road: Tonguey-Madaymen Road /Palina Acop Section.

Sources: OCD ROs

## Preparedness Measures and Effects for Tropical Storm "FALCON"

**SUSPENSION OF CLASSES**

15 - 18 July 2019

PROVINCE / CITY /MUNICIPALITY	LEVELS	DATE OF SUSPENSION
<b>REGION I</b>		
Ilocos Norte		
<i>Batac City</i>	Elementary	17 July 2019
<i>Laoag City</i>	All Levels	16 July 2019
<i>Pagudpud</i>	Pre-school to Elementary School	17 July 2019
<b>REGION II</b>		
Batanes		
<i>Batanes (Province Wide)</i>	Pre-school to Senior High School	18 July 2019
Cagayan		
<i>Cagayan (Province Wide)</i>	All levels	17 July 2019
<i>Gonzaga</i>	Pre-school - Elementary	16 July 2019
<i>Calayan</i>	Pre-school to Senior High School	16 July 2019
Isabela		
<i>City of Ilagan</i>	Pre-school to Senior High School	17 July 2019
<i>San Pablo</i>	Pre-school to Senior High School	16 July 2019
<i>Alicia</i>	Pre-school to Senior High School	17 July 2019
<i>Cabagan</i>	Pre-school to Senior High School	17 July 2019
Nueva Vizcaya		
<i>Bambang</i>	Pre-school	17 July 2019
<i>Kasibu</i>	Pre-school	17 July 2019
<i>Ambaguio</i>	Pre-school	17 July 2019
<i>Bayombong</i>	Pre-school	17 July 2019
<i>Quezon</i>	Pre-school	17 July 2019
<i>Solano</i>	Pre-school	17 July 2019
<i>Bagabag</i>	Pre-school	17 July 2019
<i>Villaverde</i>	Pre-school	17 July 2019
<i>Diadi</i>	Pre-school	17 July 2019
<i>Kayapa</i>	Pre-school	17 July 2019
<b>CAR</b>		
Abra	All levels	17 July 2019
Apayao	All levels	17 July 2019
Kalinga		
<i>Kalinga (Province Wide)</i>	Pre-school	17 July 2019
<i>Tabuk City</i>	All levels	17 July 2019
<i>Rizal</i>	All levels	17 July 2019
Benguet		
<i>Benguet (Province Wide)</i>	Pre-school to Elementary	17 July 2019
	Pre-school to Kindergarten	18 July 2019
<i>La Trinidad</i>	Pre-school to Elementary	17 July 2019

<b>PROVINCE / CITY / MUNICIPALITY</b>	<b>LEVELS</b>	<b>DATE OF SUSPENSION</b>
<i>Atok</i>	Pre-school to Kindergarten	17 July 2019
<i>Mankayan</i>	Pre-school to Elementary	17 July 2019
<i>Buguias</i>	Pre-school to Elementary	17 July 2019
<i>Kapangan</i>	Pre-school to Elementary	17 July 2019
<i>Itogon</i>	Pre-school to High school	17 July 2019
<i>Tuba</i>	Pre-school to High school level	17 July 2019
	Pre-school	18 July 2019
<i>Tubiay</i>	Pre-school to Elementary level	18 July 2019
<i>Kibungan</i>	Pre-school to High school level	17 July 2019
		18 July 2019
<i>Bokod</i>	All levels	17 July 2019
	Pre-school to Elementary	18 July 2019
<b>Ifugao</b>		
<i>Ifugao (Province Wide)</i>	Pre-school level	17 July 2019
<i>Lamut</i>	All levels	17 July 2019
<i>Mayoyao</i>	All levels	17 July 2019
<i>Tinoc</i>	Pre-school to Elementary	17 July 2019
<b>Mt. Province</b>		
<i>Mt. Province (Province Wide)</i>	Pre-school level	17 July 2019
<i>Sagada</i>	Pre-school to Elementary	17 July 2019
<i>Sabangan</i>	All levels	17 July 2019

Sources: OCDROs I, II, CAR, and DepEd

**Preparedness Measures and Effects for Tropical Storm "FALCON"**  
**DAMAGE TO INFRASTRUCTURE**  
 15 - 18 July 2019

REGION / PROVINCE	NAME OF INFRASTRUCTURE	TOTALLY DAMAGED	PARTIALLY DAMAGED	DESCRIPTION OF DAMAGE	AMOUNT (P)
<b>TOTAL</b>		<b>0</b>	<b>47</b>		<b>914,000,000.00</b>
<b>FLOOD CONTROL</b>		<b>0</b>	<b>6</b>		<b>900,000,000</b>
<b>REGION I</b>		<b>0</b>	<b>6</b>		<b>900,000,000</b>
<b>Ilocos Norte</b>		<b>0</b>	<b>6</b>		<b>900,000,000.00</b>
<i>Vintar</i>	Vintar Flood Control, Bislak River Revetment (Tamdagan)		1	Damaged/eroded concrete bank revetment	80,000,000.00
	Vintar Flood Control, Bislak River Revetment (Salsalamagi - Alsem)		1	Damaged/eroded concrete bank revetment	78,000,000.00
	Vintar Flood Control, Bislak River Revetment (Salsalamagi - Brgy. 24)		1	Damaged/eroded concrete bank revetment	84,000,000.00
	Vintar Flood Control, Bislak River Revetment (Alsem)		1	Damaged/eroded concrete bank revetment	100,000,000.00
	Vintar Flood Control, Bislak River Revetment (Tamdagan)		1	Damaged/eroded concrete bank revetment	98,000,000.00
	Laoag Flood Control		1	Damaged/eroded concrete bank revetment	460,000,000.00
<b>ROADS / BRIDGES</b>		<b>0</b>	<b>41</b>		<b>14,000,000</b>
<b>REGION I</b>		<b>0</b>	<b>6</b>		<b>14,000,000</b>
<b>Ilocos Norte</b>		<b>0</b>	<b>6</b>		<b>14,000,000</b>
<i>Bangui</i>	Manila North Road (K0 543+200 - K0 543+240)		1	Collapsed riprap and slope protection, eroded shoulder	2,500,000.00
<i>Sarrat</i>	Ilocos Norte - Apayao Road (K0 491+290 - K0491+310)		1	Damaged slope protection and caved concrete pavement	1,000,000.00
<i>Laoag City</i>	Rodolfo Fariñas Jr. Bypass Road (K0 488+180 - K0 488+240)		1	Damaged slope protection and shoulder	3,000,000.00
<i>Bacarra</i>	Rodolfo Fariñas Jr. Bypass Road (K0 494+512 - K0 494+652)		1	Flooded area / water ponding on road	1,000,000.00
	Batac - Pinili via Maipalig (K0 487+010)		1	Damaged slope protection	5,500,000.00
<i>Pagudpud</i>	Manila North Road Bolo Bridge (K0 555+896)		1	Damaged slope protection of Bolo Bridge Approach A	1,000,000.00
<b>REGION II</b>		<b>0</b>	<b>35</b>		<b>136,909,500</b>
<b>Cagayan</b>		<b>0</b>	<b>32</b>		<b>118,879,500.00</b>
	Magapit Bridge (K0 553+305) along CVR		1	Scoured bridge approach	800,000.00
	Junction Gattaran - Cumao - Capissayan - Sta. Margarita - Bolos Point Road (K0585+200 - K0 585+350)		1	Eroded shoulder	50,000,000.00
	Magapit Capissayan Road (K0 560+800 - K0 650+970)		1	Eroded shoulder and damaged canal lining	10,000,000.00
	Junction Gattaran - Cumao - Capissayan - Sta. Margarita - Bolos Road (K0 593+500 - K0 593+620)		1	Eroded shoulder and damaged slope protection	50,000,000.00

REGION / PROVINCE	NAME OF INFRASTRUCTURE	TOTALLY DAMAGED	PARTIALLY DAMAGED	DESCRIPTION OF DAMAGE	AMOUNT (₱)
<i>Allapacan</i>	Various barangay roads		8	Scouring on the carriageway and damaged culvert	879,500.00
<i>Lal-lo</i>	Various barangay roads		20	Washed-out gravel surface	7,200,000.00
<b>Isabela</b>		<b>0</b>	<b>2</b>		<b>15,030,000.00</b>
	Minanga Bridge along Naguilian San Mariano Road(K 0404-660)		1	Collapsed slope protection, shoulder, carriageway, and guardrails.	15,000,000.00
<i>Angadanan</i>	Dioton Bridge		1	Partially washed out surfacing materials of bridge approach	30,000.00
<b>Nueva Vizcaya</b>		<b>0</b>	<b>1</b>		<b>3,000,000.00</b>
	Daan Maharlika (K0 213+300 - K0 213+315)		1	Roadslip	3,000,000.00

Sources: OCDROs I and II

**Preparedness Measures and Effects of TS “FALCON”  
DISASTER PREPAREDNESS and RESPONSE  
15 -18 July 2019**

**DISASTER PREPAREDNESS AND RESPONSE****A. Pre-emptive Evacuation**

A total of 17 families were pre-emptively evacuated at Sabangan Central School in Cordillera Administrative Region.

**B. NATIONAL DRRM COUNCIL (NDRRMC)****1. Department of Science and Technology – Philippine Atmospheric, Geophysical and Astronomical Services Administration (DOST-PAGASA)**

- a. Conducted continuous weather monitoring and provision of weather updates.
- b. Attended the PDRA Meeting on 15 July 2019, 3:00 PM.

**2. Department of Environment and Natural Resources – Mines and Geosciences Bureau (DENR-MGB)**

Provided the list of areas that are susceptible to flooding and rain-induced landslide.

**4. Department of the Interior and Local Government (DILG)**

- a. Provided information/advisories to all concerned DILG ROs and FOs regarding the Low-Pressure Area (LPA) through texts and emails.
- b. Instructed all concerned DILG ROs to take proactive measures and conduct widest dissemination of the advisories within its respective AOR.
- c. Recommended the following actions to all concerned LGUs:
- d. Establish critical preparedness actions based on the Operation L!STO protocols, and prioritize prepositioning of supplies and equipment for response.
- e. Continue to monitor all PAGASA weather advisories and typhoon bulletins and MGB Geo-Hazard Web Portal.
- f. CODIX participated in the NDRRMC's Pre-Disaster Risk Assessment Core Group Meeting for the impending entry of TD “FALCON”.
- g. Issued an advisory and advised all concerned DILG Regional Offices to monitor TD “FALCON”.
- h. Advised all LGUs to monitor all PAGASA weather advisories and typhoon bulletins, Met-Hydro Decision Support InfoSys, ASTI Philsensors website, and MGB Geo-Hazard Web Portal.
- i. Recommended pre-emptive evacuation in areas with high to very high susceptibility to flooding and landslide as identified by PAGASA and DENR-MGB.
- j. Recommended that all LGUs which are not in the list of MGB's high to very high susceptibility to floods and rain-induced landslides but have recently experienced landslides, thunderstorms and heavy rainfalls be advised to take extra precautionary measures in conducting critical preparedness actions in anticipation for possible flooding, especially in areas prone to landslide.
- k. DILG field offices relayed all advisories and updates of TD “FALCON” to all concerned LGUs.

## 5. Department of Social Welfare and Development (DSWD)

- a. Placed all transport logistics assets on standby and ready for handling/hauling of relief resources.
- b. Prepositioned stockpiles of **359,124 Family Food Packs (FFPs)** amounting to **₱134,922,306.28**, available **Food and Non-food Items (FNIs)** amounting to **₱658,954,045.07**, and standby funds amounting to **₱1,190,869,415.84**.

FIELD OFFICE	STANDBY FUNDS	STOCKPILES					Total FUNDS STOCKPILE	STANDBY &
		Family Food Packs		Other Food Items	Non-Food Items	SUB-TOTAL (Food and FNIs)		
		Quantity	Total Cost	Total Cost	Total Cost			
<b>TOTAL</b>	<b>1,190,869,415.84</b>	<b>359,124</b>	<b>134,922,306.28</b>	<b>161,342,886.34</b>	<b>497,611,158.73</b>	<b>658,954,045.07</b>	<b>1,984,745,767.19</b>	
Central Office	1,146,974,543.16						1,146,974,543.16	
NRLMB - NROC	0.00	98,800	37,261,432.00	79,438,561.86	330,957,856.78	410,396,418.64	447,657,850.64	
NRLMB - VDRC	0.00	11,700	4,212,000.00	1,203,200.00	5,224,562.31	6,427,762.31	10,639,762.31	
I	2,379,275.00	7,846	2,824,560.00	2,257,200.00	37,869,937.80	40,127,137.80	45,330,972.80	
II	2,607,537.00	17,434	5,731,851.40	3,352,676.29	349,602.75	3,702,279.04	12,041,667.44	
III	2,404,557.00	26,229	11,140,309.24	899,919.70	241,706.00	1,141,625.70	14,686,491.94	
CALABARZON	2,544,350.00	4,859	1,750,614.94	3,418,826.40	2,398,989.61	5,817,816.01	10,112,780.95	
MIMAROPA	1,494,971.58	24,764	10,351,352.00	2,243,173.55	859,605.00	3,102,778.55	14,949,102.13	
V	3,000,000.00	20,187	7,823,020.34	11,417,748.72	40,704,948.22	52,122,696.94	62,945,717.28	
VI	3,000,000.00	20,373	7,497,110.00	8,109,495.37	3,738,152.50	11,847,647.87	22,344,757.87	
VII	3,000,000.00	20,232	7,283,520.00	17,439,687.87	14,879,591.20	32,319,279.07	42,602,799.07	
VIII	3,001,960.00	29,306	10,591,774.52	1,304,119.84	1,163,983.00	2,468,102.84	16,061,837.36	
IX	1,768,321.35	10,119	3,642,840.00	813,730.00	3,793,242.35	4,606,972.35	10,018,133.70	
X	3,000,000.00	9,004	3,241,440.00	6,564,325.20	31,673,552.96	38,237,878.16	44,479,318.16	
XI	3,028,750.00	19,181	6,932,013.40	11,053,700.00	10,869,627.34	21,923,327.34	31,884,090.74	
XII	3,680,801.30	5,908	2,369,108.00	2,769,132.67	851,017.26	3,620,149.93	9,670,059.23	
CARAGA	3,000,000.00	13,617	4,966,096.50	1,682,002.00	6,193,295.05	7,875,297.05	15,841,393.55	
NCR	3,292,543.50	3,665	1,341,789.14	1,998,746.57	928,770.00	2,927,516.57	7,561,849.21	
CAR	2,691,805.95	15,900	5,961,474.80	5,376,640.30	4,912,718.60	10,289,358.90	18,942,639.65	

- c. Placed the Disaster Response Management Bureau (DRMB) on BLUE alert status and advised to coordinate with concerned DSWD-Field Offices for significant disaster preparedness for response updates.
- d. Placed all QRT members and emergency equipment on standby and ready for deployment.

## 6. Department of Health (DOH)

- a. Raised code alert.
- b. Issued alert memorandum to all Centers for Health Development (CHDs) and hospitals on the following:
  - Weather Disturbance
  - Activation of Code Alert and 24/7 Operations Center
  - Health Emergency Response Teams on standby and ready for deployment.

### Center for Health Development

- a. Alerted all Provincial DOH Offices to actively monitor and report untoward incidents in its respective area of responsibility.
- b. Cagayan Valley CHD prepositioned a total of ₱1,250,000.00 worth of logistics.

- c. Alerted DOH Regional Hospitals for possible augmentation in case there is an increase in patients.
- d. Placed the Health Emergency Response Teams on standby for immediate deployment.
- e. Coordinated with the Provincial DOH Offices (PDOHOs), Provincial Health Offices (PHOs), OCD, Regional and Local Disaster Risk Reduction and Management Councils.

## **7. Department of Education (DepEd)**

- a. Disseminated weather advisories from DOST-PAGASA to affected and exposed regions and divisions.
- b. Coordinated with the Division Coordinators relative to class suspensions.
- c. Reiterated the preparedness measures for rainy season.

## **C. REGIONAL DRRM COUNCILS (RDRRMC)**

### **1. RDRRMC I**

#### **OCD I**

- a. Conducted PDRA Meeting at OCD R1 Conference Hall on 16 July 2019 to discuss the preparedness measures of each agency, harmonize response operations, and address the operational gaps of all frontline agencies for TS "FALCON".
- b. Advised P/C/MDRRMCs to conduct PDRA and submit report to the Regional DRRMC.
- c. Updated the inventory of response resources and directories to concerned offices in all levels of the government.

#### **DOST I**

- a. Coordinated with PAGASA for the monitoring of Hydromet Stations established within the region.
- b. Utilized different weather monitoring tools and websites.

#### **DSWD I**

- a. Disaster Response Management Division (DRMD) monitored the possible effects of the weather disturbance.
- b. Provincial Operations Offices (POOs) coordinated with OCD and different Provincial/City/Municipal DRRM Councils.
- c. Prepositioned a total of 7,846 stockpiled relief goods amounting to ₱2,824,560.00 at different strategic locations.
- d. Ensured the availability of Quick Response Fund amounting to ₱2,379,275.00

#### **Bureau of Fire Protection I**

- a. Activated and placed on alert in connection with TD "FALCON".
- b. Placed all personnel ready for deployment.
- c. Placed HAZMAT Team on standby ready for emergency response action.
- d. Placed one (1) Strike Team on standby for possible clearing operations.

#### **DOH I**

- a. Activated the OpCen on 24/7.
- b. Coordinated with the four (4) Provincial DOH Office Operations Center ready for emergency operations when needed.



- c. Ensured continuous duty of the three (3) DOH Retained Hospitals:
  - MMMH and MC – Ilocos Norte
  - ITRMC – La Union
  - R1MC – Pangasinan
- d. Prepared for possible activation of the contingency plan.
- e. Placed Rapid Health Assessment Team on standby for provision of QUAD services and commodities if needed.
- f. Conducted latest inventory and pre-positioning of emergency supplies and medicines.

#### **DPWH I**

- a. Activated the DPWH Regional Office - Emergency Operations Center manned by RDRRM team and Emergency Brigade Team.
- b. Implemented the Department Order No. 15, s. 2014 re “Guidelines to ensure Disaster preparedness of DPWH Field Offices in promptly responding to typhoons and calamities including criteria in the release of calamity funds.”
- c. Provided prompt assistance and accurate information to motorists and the general public during the onset of typhoons and calamities.
- d. Prepositioned all equipment at strategic locations and all maintenance crew on standby for any emergency response as needed.

#### **Department of Agriculture I**

- a. Activated the Regional Command Center.
- b. Implemented preparedness measures in all operating units.

#### **Naval Force Northern Luzon**

- a. Placed DRTU teams on standby in San Fernando City, La Union.
- b. Updated the inventory of equipment ready to be utilized.

#### **Philippine Coast Guard – North Western Luzon**

- a. Implemented the NHQ-PCG/CG-3 LOI Nr. 0619-023 “OPLAN KAHANDAAN for Typhoon Season 2019”.
- b. Placed one (1) Team on standby for possible deployment and sea patrol.

#### **Philippine Information Agency I**

- a. Disseminated weather advisories through all means of communication especially using the social media.
- b. Prepared press release for the public.

#### **AFP – 1st RCDG & 3rd Mech Bn**

Placed two (2) Platoons on standby for possible deployment.

#### **Philippine National Police**

Placed WASAR-trained personnel on standby for possible deployment.

#### **PDRRMC ILOCOS NORTE**

- a. Advised all DRRMOs to inform all BDRRMC to regularly monitor the health condition of vulnerable groups, senior citizens, PWDs, and pregnant women.
- b. Advised all LDRRMOs to inform all BDRRMCs to prohibit children from swimming in swollen rivers and creeks.

- c. Advised all residents to limit outside exposure and stay indoors during heavy downpour thunderstorm accompanied by lightning.
- d. Advised the Barangay Officials to inform the farmers/livestock raisers to secure livestock shelters and for fishermen not to venture out to the sea when during thunderstorm, lightning, gale warning, typhoons or adverse sea weather condition.
- e. Advised DRRMOs to conduct inspection of Evacuation Centers and ensure its functionality.
- f. Advised DRRMOs to monitor flood risk areas and ready equipment – dump truck, rubber boats, evacuation centers, ambulances, food packs, relief goods, medicines, SAR Teams, personnel, and other resources to be used when needed.
- g. Conducted PDRA Meeting on 16 July 2019, 2:30 PM.
- h. Conducted continuous monitoring of emergency incidents through 911.

## **2. RDRRMC II**

### **OCD II / CVDRRMC**

- a. Placed the CVRDRRM Operations Center on BLUE alert status on 15 July 2019, 1:00 PM and raised to RED effective 16 July 2019 at 6:00 A.M.
- b. Conducted PDRA Core Group Meeting on 15 July 2019 at 10:00 AM at OCD-CVRDRRMOC, Regional Government Center, Tuguegarao City.
- c. Participated in the Joint PDRA of the NDRRMC and RDRRMCs on 15 July 2019, 3:00 PM at the NDRRMOC, Camp General Aguinaldo, Quezon City through video conferencing.
- d. Monitored the regional situation and disseminated weather updates to Cagayan Valley RDRRMC member-agencies, P/C/MDRRMCs, media, and other stakeholders through SMS.
- e. Coordinated with PDRRMOs, CDRRMOs, and MDRRMOs particularly the coastal municipalities of Region II.
- f. Established communication link through HF/VHF radio communications.
- g. Conducted Joint Regional Development Council (RDC), Cagayan Valley RDRRM Council (CVRDRRMC) and Provincial DRRM Councils (PDRRMCs) meeting and discussed the preparations, actions taken, and effect of TS “FALCON” with the DOLE Secretary and CORDS Region held at Pulsar Hotel, Buntun, Tuguegarao City on 19 July 2019.

### **DILG II**

- a. Disseminated a memorandum to all LGUs to establish critical preparedness actions based on Operations L!STO Protocol.
- b. Disseminated memorandum to all Local Chief Executives to stay-put in its respective AORs.
- c. Disseminated a memorandum re Activation of Disaster Monitoring and Reporting System for Tropical Depression “FALCON”.

### **DSWD II**

- a. Provided advisories to Social Welfare and Development Teams (SWADTs) and Municipal Action Teams (MSATs) in the five (5) provinces and advised to conduct preparatory activities in coordination with its respective P/C/MDRRMCs.
- b. Coordinated with the SWAD Teams, P/C/M DRRMCs and the P/C/M SWDOs.

- c. Prepositioned a total stockpile and standby funds amounting to **₱12,888,820.41** with breakdown as follows:

**Stockpiles**

PARTICULARS	AMOUNT (₱)	REMARKS
Family Food Packs (FFPs)	10,487,520.00	29,132 FFPs available in the Field Office
Non-Food Items (NFIs)	349,602.75	Available in the Field Office
Family Food Packs (FFPs)	243,360.00	Stockpile at the SWAD Office of Nueva Viscaya

**Standby Funds**

With a total standby fund amounting to **₱1,808,337.66**.

- d. Augmented 400 FFPs for the affected families in the Municipality of Santa Teresita, Cagayan and 84 FFPs for the stranded individuals.  
 e. Conducted continuous sharing of weather advisories to SWADTs and P/C/MATs for information and appropriate action.

**DOH II**

- a. Placed the Emergency Operations Center on 24/7 operation.  
 b. Activated Code White Alert in the Region.  
 c. Activated the Regional Emergency Incident Command System (ICS).  
 d. Prepositioned drugs, medicines, and other HEM related logistics amounting to **₱250,000.00** to the different PDOHOs in the Region.  
 e. Placed all emergency response teams on standby and ready for deployment.  
 f. Coordinated with the CVRDRRMC, PDRRMCs, and attached agencies.  
 g. Monitored health-related untoward incident in the region.

**DPWH II**

- a. Prepositioned personnel and heavy equipment.  
 b. Activated every District Disaster Operations Center in the region.  
 c. Conducted clearing operations along major roads in the region.

**DOST II**

Monitored the automatic rain gauges / water level monitoring system installed in the region to ensure that all are in good working condition.

**DOST - PAGASA Northern Luzon**

- a. Conducted continuous briefing on TD "FALCON" for CVRDRRMC and P/C/M DRRMCs.  
 b. Conducted continuous monitoring and timely submission of significant weather observations of all PAGASA stations.  
 c. Conducted continuous monitoring and dissemination of Severe Weather Bulletins, flood and other advisories.  
 d. Closely coordinated with LDRRMCs.  
 e. Published rainfall warnings to areas covered by the NLPRSD Doppler Radars (Baguio and Baler) through official websites and social media account.

## **DA II**

Conducted monitoring and validation on the extent of the effects of TS “FALCON”.

## **DENR – MGB**

- a. Provided lists of barangays in Region 2 that have high – very high landslide and flood susceptibility to OCD/CVRDRRMC and PDRRMCs.
- b. Provided Geohazard advisory to OCD/CVRDRRMC members and PDRRMC of Cagayan and Batanes.
- c. Coordinated with the mining companies in the region to standby and requested for possible augmentation of its Emergency Response Teams.

## **PNP - PRO II**

- a. Directed all Provincial Directors (PDs) and City Directors to preposition its Disaster Response Teams in disaster prone and low-lying areas in coordination with its respective PDRRMC.
- b. All PDs and CD, SCPO, and Regional Mobile Force Battalion ensured readiness of the SAR equipment and supplies in coordination with PDRRMC and MDRRMC to support the operational requirements (e.g. rubber boat, utility rope, floating device, multi-tool items, 30L of GOL generator, flashlights with extra battery, communication equipment, first aid kit, and MRE).

## **BFP RO II**

- a. Placed all operating units within AOR on heightened alert (Code BLUE) effective 15 July 2019.
- b. Advised all Provincial/City/Municipal Fire Stations/Offices to coordinate with its respective LDRRMCs.

## **PCG - Coast Guard District North Eastern Luzon**

- a. Conducted maritime safety-related measures such as the conduct of meetings, coordination, consultations and public information campaign to highlight sea safety awareness.
- b. Prepared PCG Boarding Teams, SAR assets and multi role Deployable Response Group and closely monitor the maritime traffic and weather condition for prompt, sustained, effective implementation of existing command policies, rules and regulations, and doctrines.

## **PIA RO II**

Supported CVRDRRMC in information sharing and dissemination.

## **PDRRMC Batanes**

- a. Conducted continuous monitoring of the situation within the AOR.
- b. Coordinated with MDRRMC re situation within its respective AOR.
- c. Disseminated weather updates to MDRRMOs.

## **MDRRMCs of Batanes**

- a. Monitored the situation within the AOR.
- b. Disseminated weather updates to MDRRMOs.
- c. Distributed nylon ropes to residents with houses made of light materials.

### **PCCDRRM Cagayan**

- a. Raised the alert status of PCCDRRM Operations Center from Blue to Red effective 16 July 2019, 6:00 AM.
- b. Placed the PCCDRRM EOC on 24/7 monitoring of the weather systems and all hazard web-based system.
- c. Conducted hourly monitoring of water levels of Tuguegarao Gauging Station (Buntun Bridge), Isabela, Quirino Province tributaries and upper main Cagayan River including all tributaries in the province of Cagayan.
- d. Disseminated warning advisories to the public.
- e. Coordinated with the local C/MDRRMO/Cs in its respective AOR.
- f. Placed the Task Force Lingkod Cagayan (TFLC) / PCCDRRM Alpha Team / Responders in the province on standby alert.
- g. Prepared food and non-food stockpile.

### **CDRRM Tuguegarao City, Cagayan**

- a. Monitored the situation within the AOR.
- b. Disseminated weather updates to BDRRMCs.
- c. Convened a Pre-Disaster Risk Assessment (PDRA) Core Group Meeting on 16 July 2019, 4:00 PM.
- d. Placed CDRRM Operations Center on RED alert status effective 16 July 2019, 6:00 AM.
- e. Prepositioned DRRM equipment and rescue personnel.

### **MDRRMCs Abulug, Calayan, Gattaran, Peñablanca, and Solana, Cagayan**

- a. Conducted monitoring of the situation within the AOR.
- b. Disseminated weather updates to BDRRMCs.
- c. Convened the Municipal DRRM Council for a PDRA Meeting.
- d. MDRRM Abulug conducted Search Operations since 17 July 2019.
- e. MDRRM Peñablanca activated the EOC on 16 July 2019.

### **MDRRM Allacapan, Cagayan**

- a. Maintained all communication/hotline of Rescue 2285 command center open for inquiries regarding typhoon and emergency assistance.
- b. Convened the council for PDRA meeting on 16 July 2019 at the Municipal Conference Hall.
- c. Deployed Search and Rescue to flooded barangays at Daan-ili and western barangays.
- d. Coordinated with barangays for data and report on damaged crops and affected population
- e. Coordinated with DILG and PCCDRRM.

### **MDRRM Baggao, Cagayan**

- a. Convened a PDRA Core Group Meeting on 16 July 2019 at 2:00 PM.
- b. Pre-positioned four (4) Search and Rescue Teams equipped with rubber boats, ambulance, and heavy equipment in Barangays Poblacion, Tallang, San Jose, and San Isidro.
- c. Conducted clearing operations at Sitio Tueg, Bitag Grande, Baggao on 17 July 2019.

### **MDRRMC Iguig, Cagayan**

- a. Convened LDRRMC for special meeting in preparation for Tropical Cycle “FALCON” on 16 July 2019.
- b. Organized different responding teams for Administrative/Logistical Support, SRR, Security, Medical, Clearing Operations, Monitoring, and Reporting.
- c. Activated the Emergency Operations Center and Incident Management Team.
- d. Conducted inventory of supplies, equipment, and stockpile of goods.
- e. Disseminated warnings, advisories, and weather bulletins to all member agencies and barangays.

### **MDRRMC Lal-lo, Cagayan**

- a. Conducted continuous monitoring of the Cagayan River.
- b. Installed Flood Early Warning System and Rain Gauges.
- c. Conducted continuous monitoring of hazard prone and critical areas.
- d. Prepositioned response team, equipment, and relief goods.
- e. Conducted clearing operations at Brgy. Magapit Cloverleaf.

### **PDRRMC Isabela**

- a. Conducted continuous monitoring of the situation within the AOR.
- b. Convened Emergency Meeting with the city/municipal mayors of the province at Blue Conference Room, Isabela Provincial Capitol, Alibagu, City of Ilagan, Isabela held on 15 July 2019.
- c. Coordinated with MDRRMCs and CDRRMCs regarding the situation in the AOR.
- d. Disseminated weather updates to MDRRMOs.
- e. Enforced Liquor Ban and No Sail Policy.
- f. Prepositioned response assets.
- g. Disseminated advisories, warnings, and precautionary measures to all constituents down to the barangay level through text messages, social media, and text blast.
- h. Directed all Local Chief Executives to convene its respective MDRRMOs regarding its preparation on the occurrence of “FALCON”.
- i. Prepositioned and distributed relief goods in the four (4) coastal municipalities.

### **MDRRMC Alicia, Isabela**

- a. Monitored and plotted storm track gathered from DOST–PAGASA, main roads and bridges, water level status of Magat Dam, rain gauges installed within the municipality, present weather condition, multi–media accounts, and disseminated situation reports to concerned agencies.
- b. Maintained all communication/hotline Rescue 531 command center open for inquiries regarding typhoon and for emergency assistance.
- c. Convened the council for PDRA meeting at the Municipal Conference Hall on 17 July 2019.
- d. Convened the Local School Heads regarding the cancellation of classes from Pre-School to Senior High School.
- e. Conducted continuous monitoring of flood prone barangays.
- f. Regularly updated weather status through the MDRRMC social media account.

### **CDRRMC Cauayan, Isabela**

- a. Conducted continuous monitoring and plotting of storm track gathered from DOST-PAGASA, main roads and bridges, water level status of Magat Dam, rain gauges installed within the city and present weather condition.
- b. Provided weather updates and early warnings on radio base communication and multimedia.
- c. Maintained all communication/Hotline of Rescue 922 command center open for inquiries regarding typhoon and emergency assistance.

### **MDRRMC Cabagan, Isabela**

- a. Convened the PDRA Core Group Meeting on 16 July 2019 at 9:00 AM.
- b. Conducted continuous monitoring of the river system and overflow bridges.
- c. Prepositioned medicines and equipment.
- d. Monitored the prices of basic goods and commodities.

### **MDRRMC Delfin Albano, Isabela**

- a. Convened the PDRA Core Group Meeting on 16 July 2019 at 9:00 AM.
- b. Conducted close monitoring of main roads, electric transmission line, water level, and flood prone areas.

### **MDRRMC Naguilian, Isabela**

- a. Monitored the situation within the AOR.
- b. Conducted a Pre-Disaster Preparedness Meeting for Tropical Depression "FALCON".
- c. Prepared and checked the functionality of all necessary rescue equipment for the operation.
- d. Coordinated with all the Punong Barangays within the AOR to activate its BDRRMC and undertake necessary actions and safety measure.
- e. Convened the MDRMMO personnel and the NR101 team for proper delegation of tasks and functions.
- f. Disseminated alert and warning to residents near the Cagayan River and to flood prone barangays.

### **MDRRMC Quirino, Isabela**

- a. Conducted PDRA Core Group Meeting for "FALCON" on 16 July 2019, 9:00 AM.
- b. Conducted information dissemination re TD "FALCON" through public address.
- c. Continuously disseminated weather updates, advisories, and bulletins to all barangays.

### **MDRRMCs Delfin Albano, Ramon, Roxas, San Mateo, San Guillermo, and Echague, Isabela**

- a. Disseminated weather updates to BDRRMCs and monitored the situation within the AOR.
- b. Convened an emergency meeting relative to the activation, monitoring, and reporting system for TD "FALCON".

**PDRRMCs Nueva Vizcaya**

- a. Monitored the situation within the AOR.
- b. Disseminated weather updates to MDRRMOs.
- c. Coordinated with MDRRMOs, DPWH, North and South Districts, NIA, PNP, BFP, Philippines Red Cross Nueva Viscaya Chapter, Kabalikat Civicom, Pugad Lawin Radio Group, Delta Com Radio Group, and other concerned member – agencies.
- d. Monitored the road status/traffic.

**MDRRMC Ambaguio, Nueva Vizcaya**

- a. Activated the EOC and convened the MDRRMC for the conduct of PDRA Meeting.
- b. Conducted an inventory of supplies and equipment.
- c. Coordinated with all Punong Barangays regarding “FALCON” and mandated to implement preparedness action and monitor its AOR.

**MDRRMC Aritao, Nueva Vizcaya**

- a. Activated the EOC and advised all Punong Barangays to activate its respective EOC.
- b. Coordinated with PNP, BFP, ARMS volunteers, and DENR–CENRO for preparation and monitoring measures.
- c. Monitored the weather updates and disseminated to all concerned agencies.
- d. Prepositioned assets and equipment for immediate response actions when needed.

**MDRRMC Bambang, Nueva Vizcaya**

- a. Activated the Emergency Operations Action Center and monitored possible landslide and flooded areas within the AOR.
- b. Coordinated with PNP, BFP 203<sup>rd</sup> Reservist, Kabalikat Civi-com, MDRRMC, RHU Staff for the preparation and monitoring measures for Tropical Storm “FALCON”.
- c. Prepositioned assets, equipment, including Food and Non-Food Items for immediate response actions when needed.
- d. Monitored the weather updates and disseminated advisories to all concerned.

**MDRRMC Dupax Del Sur, Nueva Vizcaya**

- a. Monitored the situation within the AOR.
- b. Disseminated weather updates to BDRRMCs.
- c. Activated the Municipal EOC on 15 July 2019.
- d. Placed Rescue 142 on alert and standby status.
- e. Coordinated with the Barangay Officials, PNP, and BFP.

**MDRRM Kayapa, Nueva Vizcaya**

- a. Activated the Emergency Operations Center.
- b. Convened the MDRRMC for the conduct of PDRA Meeting on 16 July 2019.
- c. Conducted continuous monitoring of weather updates and reports to be submitted to MDRRM Council members.
- d. Placed KERT, PNP, BFP, MHO, DSWDO Teams on standby and ready for mobilization.



- e. Disseminated memoranda and weather updates to BDRRMCs and concerned member agencies.
- f. Conducted road clearing operations.

**MDRRMC Solano, Nueva Vizcaya**

- a. Monitored the situation within the AOR.
- b. Convened the MDRRMC for the conduct of PDRA Meeting on 16 July 2019.
- c. Conducted inspection on critical areas.
- d. Checked interconnectivity with concerned agencies, offices, and barangays.

**MDRRMC Kasibu, Nueva Vizcaya**

- a. Monitored the situation within the AOR.
- b. Disseminated weather updates to BDRRMCs.
- c. Activated the Municipal Emergency Operations Center on 15 July 2019.
- d. Placed the Kasibu Response Team on standby.

**PDRRMC Quirino**

- a. Monitored the situation within the AOR.
- b. Coordinated with MDRRMCs re situation in its respective AOR.
- c. Disseminated weather updates to MDRRMOs.
- d. Convened a PDRA Core Group Meeting on 16 July 2019.

**3. RDRRMC III**

**OCD III**

- a. Participated in the NDRRMC PDRA Meeting on 15 July 2019, 3:00 PM.
- b. Raised its alert status to BLUE.
- c. Issued Memo No. 43, s. 2019 to R/P/C/MDRRMCs re Preparedness Measures ICOW Tropical Depression "FALCON".
- d. Monitored the situation and other incidents within the AOR.
- e. Coordinated with concerned LGUs and RDRRMC member agencies regarding the preparedness measures re TD "FALCON" and Southwest Monsoon.
- f. Disseminated weather bulletins and advisories to concerned provinces through email and social media.
- g. Conducted a coordination meeting with MGB Region 3, PAGASA – PRFFWC, DILG Region 3, DSWD Region 3, and NTC Region 3 re Effects of Tropical Storm "FALCON".

**DPWH III**

Submitted report to OCD 3 OpCen on the status of roads and bridges within the vicinity of Region 3.

**PAGASA – FFWS**

Disseminated advisories to RDRRMC3 member agencies and LGUs.

**DSWD**

- a. Conducted stockpiling and pre-positioning of Food and Non-Food Items in the satellite warehouses.
- b. Monitored the weather updates in coordination with the RDRRMC3.

### **MDRRMC Baler, Aurora**

- a. Issued Memorandum Circular No. 1, s. 2019 to all Punong Barangays re activation of BDRRMCs' Operations Center.
- b. Positioned red flags to warn people on the "No Water Activities, No Sailing and No Fishing Policy".
- c. Retained the Emergency Operations Center alert status to WHITE.
- d. Instructed the Operation and Warning Section to continuously monitor the weather advisories and typhoon bulletins from PAGASA and ensure to be disseminated properly and timely to general public especially to the Barangay DRRM Committees.
- e. Monitored the water tributaries and wave conditions within the AOR.
- f. Prepared and checked conditions of rescue assets and equipment.
- g. Ensured the readiness of evacuation centers and availability of relief goods.
- h. Instructed rescuers to be on alert anytime for possible deployment if situation warrants.

### **4. Cordillera Administrative Regional DRRMC**

- a. Retained the Emergency Operations Center alert status to BLUE on 15 July 2019, 5:00 PM to prepare and monitor the entry of TD "FALCON" and the enhanced Southwest Monsoon (Habagat) through the issuance of Cordillera RDRRMC Memorandum No. 35, s. 2019.
- b. Conducted a PDRA meeting on 16 July 2019 to discuss the updates on preparations and provide instructions for response preparedness for the Tropical Storm "FALCON".
- c. Issued Cordillera RDRRMC Memorandum No. 34, s. 2019 re Preparedness Measures for the Possible Effects of "FALCON" and Enhanced Habagat.

### **OCD CAR**

- a. Disseminated weather advisories and alert status to all stakeholders through all means of communication and public advisories and warning alerts via text blasts, social media accounts and in all available means of communication in partnership with PIA-CAR and local media outlets.
- b. Coordinated with PAGASA Baguio Synoptic Station and sent weather advisories to the public, LDRRMCs, and member-agencies of the Cordillera RDRRMC.
- c. Issued preparedness tips to prevent any possible eventualities due to the enhanced southwest monsoon and localized thunderstorms.

### **DOST CAR**

Monitored and maintained the Community-Based Flood Early Warning Systems (CBFEWS) in coordination with LGUs and DOST-ASTI.

### **DOST-PAGASA Baguio Synoptic Station**

Monitored the AOR and disseminated weather updates or forecast.

### **DSWD CAR**

- a. Raised the alert status to Blue.
- b. Provided DROMIC report to the CRDRRMC EOC.
- c. Placed the Quick Response Teams (QRTs) from the six (6) Provincial Social Welfare and Development Teams on alert and stand by for the possible effects of the weather disturbance.

- d. Updated the DSWD response assets.
- e. DRMD monitored the situation on the ground.
- f. Placed the Provincial Social Welfare and Development Teams (PSWADT) DRMD Personnel on alert and members on standby for the possible effects of the weather disturbance.
- g. Placed the Municipal Action Teams on alert and on standby.
- h. Coordinated with the DRMD Personnel assigned in the PSWADTs with the LDRRMOs for updates.
- i. Placed the Rapid Emergency Telecommunications Team (RETT) and the International Maritime/Marine Satellite (INMARSAT) equipment on standby.

#### **DILG CAR**

- a. Activated the Disaster Monitoring and Reporting System.
- b. Forwarded advisories on the activation of the Provincial Disaster Monitoring and Reporting Systems and regional advisories on the Low Press Area to DILG Local Offices.
- c. Updated the DILG Field Offices on the weather situation on landslide and flood-prone areas.

#### **DPWH CAR**

- a. Provided Situational Reports on national roads and bridges.
- b. Prepositioned a total of 57 heavy equipment and 93 tools/light equipment at the regional/ district engineering offices.
- c. Recorded a 119 privately-owned heavy equipment prepositioned all over CAR ready for possible augmentation.
- d. DPWH-CAR maintained its 24/7 monitoring of road status through the Maintenance Division.

#### **DENR CAR**

- a. Monitored dead or alive trees that are posing danger, for possible pruning/cutting.
- b. Coordinated with its local counterparts, electric cooperatives, and other stakeholders for monitoring and possible augmentation.

#### **Commission on Higher Education CAR**

- a. Advised the delegated safety officers in different colleges or universities to conduct safety inspections.
- b. Placed on standby for possible monitoring of class suspensions.

#### **AFP 503<sup>rd</sup> IBde, 5<sup>th</sup> ID, PA, TOG 1-PAF, PMA-DRTG, and 14<sup>th</sup> CAR RCDG ARESKOM**

Placed manpower and capabilities/resources on standby for possible deployment for response.

#### **PNP PRO CAR**

- a. Placed on heightened alert and monitored the AOR.
- b. Placed the PNP-PROCOR personnel and capabilities/resources on standby for possible augmentation for response.
- c. Prepared the SAR equipment, communication equipment, GRAB/GO Bag, and SAR mobility units.
- d. Placed 1,172 SAR trained personnel on standby.

- e. Implemented Oplan Tangguyob and Oplan Saklolo to advise residents living in areas identified to be at risk of flooding and landslides to take precautionary measures.
- f. Conducted IEC to raise awareness on disaster preparedness and provided public advisories through traditional and non-traditional media.

#### **BFP CAR**

- a. Placed on heightened alert and monitored the AOR.
- b. Placed the BFP-CAR personnel and capabilities/resources on standby ready for deployment.
- c. Prepared to extend assistance or response in case of emergencies and other eventualities.

#### **PIA CAR**

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

#### **PDRRMC Abra**

- a. Raised its alert status to BLUE on 16 July 2019, 10:00 AM.
- b. Conducted PDRA Meeting on 16 July 2019 at 3:30 PM.
- c. Issued advisories to LGUs re conduct of PDRA and suspension of classes at all levels.

#### **MDRRMC Dolores and Bucay, Abra**

Convened the council for a PDRA meeting on 16 July 2019, 9:00 AM.

#### **MDRRMC Pilar, Abra**

- a. Convened the Council for a PDRA Meeting.
- b. Activated the EOC on 16 July 2019 at 11:30 AM.

#### **MDRRMC Tayum, Abra**

- a. Issued Memorandum Order No. 12, s. 2019 re Activation of Emergency Operations Center (EOC).
- b. Conducted pruning/cutting of trees as a preventive measure.

#### **MDRRMC Licuan Baa-ay, Abra**

- a. Placed on BLUE alert as of 16 July 2019, 9:00 AM and raised the alert status to RED on 16 July 2019, 8:30 PM.
- b. Issued Licuan – Baay DRRM Council Memorandum No. 10-19 dated 16 July 2019, 12:30 PM re Class Suspension for Kinder, Pre-school, and Elementary Levels.

#### **MDRRMCs Tubo, Lagayan, Dolores, Malibcong, and La Paz, Abra**

Raised the EOC alert status to BLUE.

#### **MDRRMCs Danglas, Manabo, Peñarrubia, San Juan, Lagangilang, Dolores, and Tayum, Abra**

Monitored its respective AOR.

#### **PDRRMC Apayao**

- a. Convened the PDRRMC for a PDRA meeting on 16 July 2019 at 2:30 PM.

- b. Raised the alert status to RED on 16 July 2019, 5:00 PM through PDRRMC Memorandum Order No. 006, s. 2019.
- c. Disseminated information and weather bulletin to MDRRMCs, MDRRMOs, and to stakeholders through text blasting, social media, and phone calls.
- d. Monitored the AOR, and placed assets and human resource on standby.

**MDRRMC Conner, Apayao**

- a. Conducted a PDRA meeting on 16 July 2019, 8:30 AM.
- b. Raised the alert status to BLUE.
- c. Ensured the activation of all Barangay DRRM Committees' Operations Centers.

**PDRRMC Benguet**

**MDRRMC La Trinidad, Benguet**

- a. Conducted a PDRA meeting on 16 July 2019, 11:30 AM.
- b. Provided situational reports to the CRDRRMC EOC.

**MDRRMCs Itogon, Benguet**

- a. Provided the constituents with public advisories and information regarding TS "FALCON".
- b. Monitored the AOR relative to the weather situation.

**MDRRMC Tuba, Benguet**

- a. Placed municipal responders on standby at the Operations Center
- b. Coordinated with all barangays.
- c. Conducted IEC on pre-emptive evacuation in cooperation with PCP Camp 6 and PCP Philex to Tuba Barangay Officials
- d. Conducted inspection of flood prone areas and evacuation centers.

**MDRRMC Kapangan, Benguet**

Continuously monitored its AOR.

**PDRRMC Ifugao**

**MDRRMC Lamut, Lagawe, Hungduan, and Mayoyao, Ifugao**

Raised the alert status to BLUE and placed emergency response teams on standby.

**PDRRMC Kalinga**

- a. Placed on BLUE alert status effective 16 July 2019, 6:00 AM.
- b. Ensured that the PDRRMC staff and responders are operational 24/7.
- c. Coordinated with all Local DRRMO's to communicate its respective AOR status.
- d. Monitored the Chico River's water level.
- e. Organized and prepositioned responders and equipment.
- f. Coordinated with KABALIKAT CIVICOM for continuous monitoring via HF radios and in case telecommunications fail.
- g. Conducted joint coordination meeting on reporting form.

**CDRRMC Tabuk, Kalinga**

- a. Raised its alert status to Blue.

- b. Conducted Emergency Response Preparedness (ERP) meeting on 16 July 2019, 2:00 PM for TD “FALCON” and Enhanced Habagat.

**MDRRMC Balbalan, Kalinga**

- a. Advised miners to take precautions and temporarily stop mining.
- b. Disseminated weather updates to the community and BDRRMCs.

**MDRRMC Rizal, Kalinga**

- a. Issued advisory dated 16 July 2019 at 8:00 PM re suspension of classes in all levels on 17 July 2019.
- b. Advised the public to proactively undertake disaster risk reduction measures before the landfall of TS “FALCON”.
- c. Activated the EOC and alerted BDRRMCs.
- d. Ensured availability and stockpile of food and non-food items.

**MDRRMC Pinukpuk, Kalinga**

Conducted a PDRA meeting on 16 July 2019.

**MDRRMCs Balbalan, Lubuagan, Pasil, Pinukpuk, Rizal, Tinglayan, and CDRRMC Tabuk**

Continuously monitored its respective AOR.

## Preparedness Measures and Effects for Tropical Storm "FALCON"

COST OF ASSISTANCE

15 - 18 July 2019

REGION / PROVINCE	DSWD (₱)	LGU (₱)	TOTAL (₱)
<b><u>GRAND TOTAL</u></b>	<b>192,405.50</b>	<b>513,810.00</b>	<b>706,215.50</b>
<b>REGION I</b>	<b>7,005.50</b>	<b>6,500.00</b>	<b>13,505.50</b>
Ilocos Norte	7,005.50	6,500.00	13,505.50
<i>Burgos</i>	<b>7,005.50</b>	<b>6,500.00</b>	<b>13,505.50</b>
<b>REGION II</b>	<b>174,240.00</b>	<b>458,778.00</b>	<b>633,018.00</b>
Cagayan	174,240.00	8,778.00	183,018.00
<i>Calayan</i>	30,240.00	-	30,240.00
<i>Gonzaga</i>	-	2,394.00	2,394.00
<i>Lal-lo</i>	-	6,384.00	6,384.00
<i>Santa Teresita</i>	144,000.00	-	144,000.00
Isabela	-	450,000.00	450,000.00
<i>Dinapigue</i>	-	112,500.00	112,500.00
<i>Divilacan</i>	-	112,500.00	112,500.00
<i>Maconacon</i>	-	112,500.00	112,500.00
<i>Palanan</i>	-	112,500.00	112,500.00
<b>CAR</b>	<b>11,160.00</b>	<b>48,532.00</b>	<b>59,692.00</b>
Abra	-	1,400.00	1,400.00
<i>Lagayan</i>		1,400.00	1,400.00
Apayao	-	47,132.00	47,132.00
<i>Pudtol</i>		3,000.00	3,000.00
<i>Santa Marcela</i>		44,132.00	44,132.00
Mountain Province	11,160.00	-	11,160.00
<i>Sabangan</i>	11,160.00		11,160.00

Source: DSWD