



NDRRMC UPDATE

Final Report re Preparedness Measures and Effects of Tropical Storm "JOLINA" (I.N. PAKHAR) (24 – 26 August 2017)

Releasing Officer:

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Executive Director, NDRRMC and
Administrator, OCD

Sources: DOST-PAGASA, DSWD, DPWH, DILG, PCG, DENR-MGB, OCDROs I, II, III, CALABARZON, MIMAROPA, V, CAR, and NCR

I. SITUATION OVERVIEW

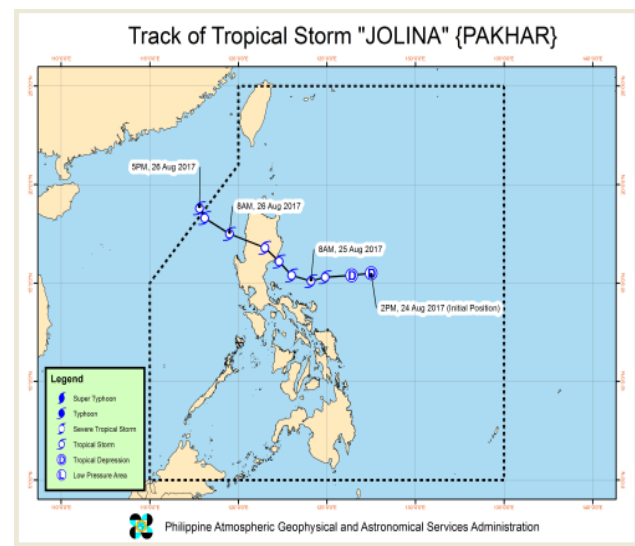
A. Chronology and Typhoon Track

24 August 2017

At 4:00 PM, 24 August 2017, the Low Pressure Area (LPA) estimated over the East Northeast of Virac, Catanduanes has developed into a Tropical Depression (TD) and was named "JOLINA".

At 10:00 PM, TD "JOLINA" has slightly intensified as it continued to move West Northwestward.

Tropical Cyclone Warning Signal (TCWS) No. 1 was raised over Cagayan, Isabela, and Northern Aurora, as well as over Apayao, Kalinga, Mountain Province, Ifugao, Nueva Vizcaya, and Quirino.



25 August 2017

At 4:00 AM, TD "JOLINA" has intensified into a Tropical Storm (TS) and has slightly accelerated as it moved closer towards Northern-Central Luzon area.

At 10:00 AM, 25 August 2017, TS "JOLINA" has intensified further as it moves closer to Isabela-Aurora area.

At 8:15 PM, TS "JOLINA" made its landfall in Casiguran, Aurora.

At 10:00 PM, TS "JOLINA" has made landfall over Casiguran, Aurora and over Quirino Province. The center of TS "JOLINA" was estimated based on all available data in the vicinity of Maddela, Quirino (16.3°N, 121.8°E) with maximum sustained winds of 80 kph near the center and gustiness of up to 110 kph and forecasted to move Northwest at 19 kph

TCWS No. 1 was raised over Cagayan including Babuyan group of Islands, Apayao, Nueva Ecija, Pangasinan, and Northern Quezon including Polilio Island while TCWS No. 2 was raised over Isabela, Aurora, Quirino, Kalinga, Mt. Province, Ifugao, Ilocos Norte, Ilocos Sur, Benguet, Abra, La Union, and Nueva Vizcaya.

26 August 2017

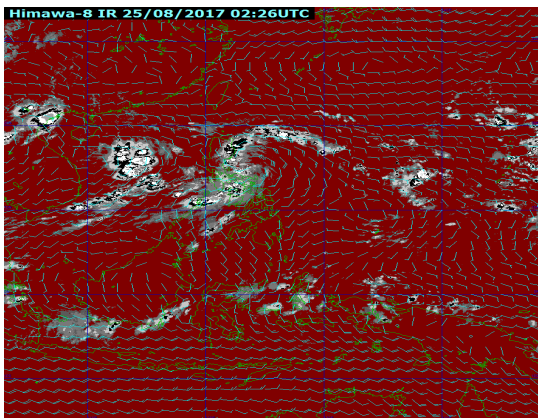
TS “JOLINA” has slightly weakened and is now in the vicinity of Ifugao Province.

At 04:00 AM, the center of TS "JOLINA" was estimated based on all available data in the vicinity of Aguinaldo, Ifugao with maximum sustained winds of 75 kph near the center and gustiness of up to 120 kph. It is forecasted to move West Northwest at 20kph.

TCWS No. 02 is still hoisted over Isabela, Quirino, Kalinga, Mountain Province, Ifugao, Ilocos Norte, Ilocos Sur, Benguet, Abra, La Union, and Nueva Vizcaya. Meanwhile, TCWS No. 01 is raised over Aurora, Cagayan including Babuyan Group of Islands, Apayao, Nueva Ecija, and Pangasinan.

At 7:00 PM, TS "JOLINA" exited the Philippine Area of Responsibility (PAR). All Tropical Cyclone Warning Signals were lifted.

B. Typhoon Analysis



During the stay of TS “JOLINA”, the estimated highest maximum sustained winds attained was 80 kph near the center and gustiness of up to 95 kph with a central pressure of 993 hPa. The estimated rain diameter of TS “JOLINA” was about 400 km in the categories of moderate to occasionally heavy. 9 International Warning for Shipping (IWS) and 15 Severe Weather Bulletin (SWB) - (Alert & Warning) were issued.

TCWS #2 was hoisted over Isabela, Aurora, Benguet, Quirino, Kalinga, Mt. Province, Ifugao, Nueva Vizcaya, Abra, Ilocos Provinces, and La Union.

Meanwhile, TCWS #1 was raised over Cagayan, Babuyan Group of Islands, Apayao, Nueva Ecija, Pangasinan, Northern Quezon, Polillo Island, Catanduanes, and Camarines Provinces.

TS “JOLINA” stayed inside the PAR for three (3) days from 24 (5:00 PM) to 26 (7:00 PM) August 2017.

II. EFFECTS:

A. Affected Population (TAB A)

1. A total of **2,462 families / 8,945 persons** were affected in **91 barangays, 13 provinces, 38 municipalities, and 1 city** in Regions I, II, III, and CAR:

Inside <u>66</u> ECs	:	<u>692 families / 2,569 persons</u>
Served outside ECs:		<u>1,582 families / 5,632 persons</u>

B. Casualty

- A total of **one (1) dead** was reported in Region V due to TS “JOLINA”.

Dead – 1		
NAME	AGE / SEX	REMARKS
Ms. Francia Nangorog	30 y.o./ female	On 25 August 2017, 7:00 AM a heavy rainfall in Bula, Camarines Sur caused a flashflood from the upland part of Barangay Itangon, Zone 1. Ms. Francian Nangorog tried to cross the raging waters together with her common law partner Renaldo Elardo. However, Ms. Nangorog was swept by the current and drowned. The victim’s body was recovered at 10:00 AM of the same day.

C. Flooded Areas (TAB B)

- A total of **sixty-four (64) areas** were reported flooded in Regions III, V, and NCR during the onslaught of TS “JOLINA”.

D. Suspension of Classes and Work (TAB C)

- A total of **338 municipalities** and **37 cities** in Regions I, II, III, CALABARZON, V, CAR, and NCR have declared suspension of classes in view of TS “JOLINA”.
- The Province of Ilocos Sur declared cancellation of work in all public and private services on 26 August 2017.

E. Status of Lifelines

1. Roads (TAB D)

- A total of **nine (9) road sections** in Regions III and CAR were reported affected by TS “JOLINA”. Of which, **one (1) road section** was from Region III, while **eight (8)** were from CAR.

2. Power Supply

- A total of **six (6) areas** in Regions III, V, and CAR had experienced power interruption due to TS “JOLINA”.

REGION / PROVINCE	CITY / MUNICIPALITY / BRGY	DATE AND TIME OF INTERRUPTION	REMARKS
GRAND TOTAL			
REGION III			
Aurora	Brgy. Diarabasin	25 August 2017, 10:00 PM	Restored on 26 August 2017, 3:30 PM
REGION V			
Camarines Sur	Balatan	25 August 2017, 12:00 NN	Restored on 25 August 2017, 7:00 PM
CAR			
Ifugao	Aguinaldo Alfonso Lista	25 August 2017, 11:30 PM	Restored
Benguet	Bokod	26 August 2017, 10:30 AM	Restored on 26 August 2017, 10:32 PM.
Mountain Province	Paracelis	25 August 2017, 10:00 PM	Restored

Sources: OCDROs III, V, and CA

F. STATUS OF PORTS

1. Cancelled Flights

- A total of **eight (8) domestic flights were cancelled** due to the weather disturbance. **All flights were resumed on 26 August 2017:**

FLIGHT NO.	ROUTE	DATE OF CANCELLATION
DOMESTIC FLIGHTS		
PAL Express		
2P 2265	Manila – Naga	25 August 2017
2P 2266	Naga – Manila	25 August 2017
CebGo		
DG 6111	Manila – Naga	25 August 2017
DG 6112	Naga – Manila	25 August 2017
Cebu Pacific		
5J 506	Manila – Tuguegarao	25 August 2017
5J 507	Tuguegarao – Manila	25 August 2017
5J 821	Manila – Virac	25 August 2017
5J 822	Virac – Manila	25 August 2017

Source: Manila International Airport Authority

2. Seaports

- At the height of TS “JOLINA”, a total of **494 passengers, 50 rolling cargoes, 13 vessels, and 2 MBCAs** were reported stranded.

G. Damaged Houses

- A total of **56 houses were damaged (3 – totally / 53 – partially)** in Regions III and CAR:

	TOTALLY	PARTIALLY	TOTAL
GRAND TOTAL:	3	53	56
REGION III	3	51	54
Aurora	3	51	54
<i>Dilasag</i>	3	51	54
CAR	-	2	2
Ifugao	-	1	1
<i>Aguinaldo</i>	-	1	1
Kalinga	-	1	1
<i>Balbalan</i>	-	1	1

Source: DSWD DROMIC Terminal Report on Tropical Storm “JOLINA”

H. Cost of Damages

- A total of **₱2,511,317.46** worth of damages to agriculture (₱311,317.46) and infrastructure (₱2,200,000.00) were pegged in Regions I and CAR.

REGION / PROVINCE	AGRICULTURE					INFRASTRUCTURE		TOTAL COST
	Crops		Fisheries			Roads/Bridges/Other Structures		
	Type of Crops / Livestock	Estimated Peso Value	Estimated Peso Value	Infrastructure				
			Stocks	Facilities	Others			
GRAND TOTAL	118,329.96		192,987.5			2,200,000.00		2,511,317.46
SUB-TOTAL	-	118,329.96	42,987.50	-	150,000.00	-	2,200,000.00	
REGION I	-	-	42,987.50	-	150,000.00	-	2,200,000.00	2,511,317.46
Ilocos Norte	-	-	-	-	150,000.00	Brgy. Road	2,000,000.00	2,150,000.00

						in Root, Dingras		
La Union	-	-	42,987.50	-	-	-	-	42,987.50
Ilocos Sur	-	-	-	-	-	Manila North Road K0422+585 Barbarit, Magsingal	200,000.00	200,000.00
CAR								118,329.96
Ifugao	Without breakdown	118,329.96	-	-	-	-	-	118,329.96

Source: OCDRO I and CAR

III. DISASTER PREPAREDNESS (TAB E)

A. National Disaster Risk Reduction and Management Council

1. NDRRM Operations Center (NDRRMOC)

- a. The alert status at the NDRRMOC was raised to BLUE effective 25 August 2017, 12:00 NN and was further raised to RED ALERT at 6:00 PM of the same day.
- b. Conducted Pre-Disaster Risk Assessment (PDRA) regarding Tropical Storm "JOLINA" on 25 August 2017, 09:00 AM.
- c. Issued NDRRMC Memorandum No.104 s. 2017 dated 25 August 2017 to all concerned NDRRMC member-agencies and RDRRMCs I, II, III, CALABARZON, MIMAROPA, V, and CAR regarding:
 - Raising of Alert Status at the National Disaster Risk Reduction and Management Operations Center to "BLUE" for TS "JOLINA" effective 25 August 2017, 12:00 NN.
 - RDRRMCs I, II, III, CALABARZON, MIMAROPA, V, and CAR to raise alert status to "RED".
 - RDRRMCs to issue an advisory for the public to refrain from doing outdoor activities (caving, surfing, spelunking, mountaineering, and other similar activities) and avoid going to landslide and flood-prone areas.
 - RDRRMCs to revisit their Contingency Plans for possible simultaneous occurrence of Hydro-Meteorological and Geological Hazards, also considering the Dam Integrity within their respective AORs.
- d. Disseminated Emergency Alert and Warning Message (EAWM) to inform/warn the Public on the landfall of TS "JOLINA" to Isabela-Aurora area on 25 August 2017.
- e. Issued NDRRMC Memorandum No. 105 S. 2017 dated 25 August 2017 raising of the alert status of NDRRMOC from BLUE to RED Alert Status effective 25 August 2017, 6:00 PM.
- f. Activated the National Response Cluster at the NDRRMOC on 25 August 2017.

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

- a. RDRRMCs I, II, III, CALABARZON, MIMAROPA, V, and CAR disseminated weather advisories/bulletins to RDRRMC member-agencies, P/C/MDRRMCs, and local media (radio stations) through OCD Info-Board Text Blast System, and upload the same to social accounts to effectively ensure public safety and achieve zero-casualty; alerted and closely coordinated with all PDRRMCs and RDRRMC member-agencies for possible rescue, relief, and other response

operations relative to the weather disturbance; and monitored the situation in their respective AORs.

- b. RDRRMCs I, II, MIMAROPA, V, and CAR raised alert status to RED in preparation for the possible conduct of Search and Rescue Operations and for the provision of assistance for the affected families.

IV. DISASTER RESPONSE

A. Cost of Assistance (TAB F)

1. A total of ₱1,578,890.00 cost of assistance from DSWD, LGU, and NGOs have been provided to Regions I, II, and III.
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**FINAL REPORT re Preparedness Measures and Effects
of Tropical Storm "JOLINA" (I.N. PAKHAR)
24 - 26 August 2017
AFFECTED POPULATION**

Region/Province/ Mun/City	AFFECTED			No. of Evac Centers	Inside Evacuation Centers		Outside Evacuation Centers		TOTAL SERVED - CURRENT (Inside + Outside)	
	Brgys	Families	Persons		Families	Persons	Families	Persons	Families	Persons
GRAND TOTAL	91	2,462	8,945	66	692	2,569	1,582	5,632	2,274	8,201
REGION I (ILOCOS REGION)	8	60	178	6	45	140	3	11	48	151
ILOCOS SUR	1	3	15	1	3	15	0	0	3	15
LIDLIDDA	1	3	15	1	3	15	-	-	3	15
LA UNION	7	57	163	5	42	125	3	11	45	136
SAN FERNANDO	3	17	50	3	14	39	3	11	17	50
AGOO	2	12	27	-	-	-	-	-	0	0
ARINGAY	1	26	79	1	26	79	-	-	26	79
CABA	1	2	7	1	2	7	-	-	2	7
REGION II (CAGAYAN VALLEY)	31	860	3,222	20	228	903	632	2,319	860	3,222
CAGAYAN	1	20	64	1	20	64	0	0	20	64
APARRI	1	20	64	1	20	64	-	-	20	64
ISABELA	20	265	948	16	197	789	68	159	265	948
BURGOS	1	2	11	1	1	9	1	2	2	11
DINAPIGUE	4	114	437	4	114	437	-	-	114	437
DIVILACAN	1	3	22	1	3	22	-	-	3	22
MACONACON	6	32	97	6	32	97	-	-	32	97
PALANAN	1	38	200	1	38	200	-	-	38	200
REINA MERCEDES	1	1	8	1	1	8	-	-	1	8
ROXAS	1	9	23	1	7	14	2	9	9	23
SAN AGUSTIN	1	1	2	1	1	2	-	-	1	2
SAN ISIDRO	2	62	128	-	-	-	62	128	62	128
SAN MANUEL	2	3	20	-	-	-	3	20	3	20
NUEVA VIZCAYA	8	570	2,180	1	6	20	564	2,160	570	2,180
BAGABAG	3	64	336	-	-	-	64	336	64	336
DUPAX DEL NORTE	1	6	20	-	-	-	6	20	6	20
SOLANO	4	500	1,824	1	6	20	494	1,804	500	1,824
QUIRINO	2	5	30	2	5	30	0	0	5	30
CABARROGUIS	1	2	10	1	2	10	-	-	2	10
SAGUDAY	1	3	20	1	3	20	-	-	3	20
REGION III (CENTRAL LUZON)	38	1,467	5,292	34	358	1,336	934	3,244	1,292	4,580
AURORA	31	1,419	5,147	27	310	1,191	934	3,244	1,244	4,435
CASIGURAN	12	221	805	10	174	674	47	131	221	805
DILASAG	10	1,061	3,799	6	29	115	857	2,972	886	3,087
DINALUNGAN	7	90	364	7	60	223	30	141	90	364
DIPACULAO	1	42	158	3	42	158	-	-	42	158
MARIA AURORA	1	5	21	1	5	21	-	-	5	21
ZAMBALES	7	48	145	7	48	145	0	0	48	145
SAN ANTONIO	1	2	8	1	2	8	-	-	2	8
SAN FELIPE	1	15	32	1	15	32	-	-	15	32
SANTA CRUZ	5	31	105	5	31	105	-	-	31	105
CAR	14	75	253	6	61	190	13	58	74	248
ABRA	5	43	133	3	40	116	3	17	43	133
BUCAY	1	24	70	1	24	70	-	-	24	70
LICUAN-BAAY (LICUAN)	3	18	57	2	16	46	2	11	18	57
PILAR	1	1	6	-	-	-	1	6	1	6
BENGUET	2	9	36	1	7	28	2	8	9	36
BAKUN	1	2	8	-	-	-	2	8	2	8
KIBUNGAN	1	7	28	1	7	28	-	-	7	28
IFUGAO	2	2	10	0	0	0	1	5	1	5
AGUINALDO	1	1	5	-	-	-	-	-	0	0
ALFONSO LISTA (POTIA)	1	1	5	-	-	-	1	5	1	5
KALINGA	2	4	19	1	3	13	0	0	3	13
BALBALAN	1	1	6	-	-	-	-	-	0	0
RIZAL (LIWAN)	1	3	13	1	3	13	-	-	3	13
MOUNTAIN PROVINCE	3	17	55	1	11	33	7	28	18	61
TADIAN	3	17	55	1	11	33	7	28	18	61

Source: DSWD DROMIC Terminal Report on Tropical Storm "Jolina" (I.N. Pakhar) as of 6 September 2017, 6PM

AFFECTED AREAS	
REGIONS	4
PROVINCES	13
CITIES	1
MUNICIPALITIES	38
BARANGAYS	91

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FLOODED AREAS

Region / Province / City / Municipality	Area (Barangay / Street Name / Sitio)	Water Level (ft)	Remarks
REGION III			
Bataan			
Mariveles	Baylon	3 ft	Subsided as of 26 August 2017, 3:00PM
	Maligaya	1 to 2 ft	Subsided as of 26 August 2017, 3:00PM
Pampanga			
Candaba	San Agustin	1.6 ft	Due to water coming from Aurora and Nueva Ecija
	Caduan Tete	2 ft	Due to water coming from Aurora and Nueva Ecija
Macabebe	Sto. Niño	2 ft	Due to water coming from Aurora and Nueva Ecija
	Mataguti	3 ft	Due to water coming from Aurora and Nueva Ecija
	San Gabriel	3 ft	Due to water coming from Aurora and Nueva Ecija
	Castuli	3 ft	Due to water coming from Aurora and Nueva Ecija
	Tacasan	3 ft	Due to water coming from Aurora and Nueva Ecija
	San Rafael	2 ft	Due to water coming from Aurora and Nueva Ecija
Masantol	Alauli	1.5 ft	Due to High Tide
	Sapang Kawayan	1.5 ft	Due to High Tide
	Balibago	2 ft	Due to High Tide
	Bagang	2 ft	Due to High Tide
	Sagrada	2 ft	Due to High Tide
	Nigui	2 ft	Due to High Tide
San Simon	Dela Paz	2.5 ft	Due to Heavy Rainfall and clogged drainages
	San Pablo proper	1 ft	Due to Flash flood
	Sta Monica	1 ft	Due to Flash flood
	San Isidro	2 ft	Due to Flash flood
REGION V			
Camarines Sur			
Baao	Sta Elena	2 ft	Subsided
	Santiago	2 ft	Subsided
Lagonoy	San Roque	knee level	Subsided
Balatan	Luluasan	6.5 ft	Subsided
Pasacao	-	-	Flashflood (poblacion area)
Iriga	San Roque	-	Subsided
	San Jose	-	Subsided
	San Francisco	-	Subsided
	Francia	-	Subsided
	San Miguel	-	Subsided
Minalabac	Hamorawon	-	Subsided
Pamplona	Poblacion	-	Subsided
Nabua	Topas Proper	-	Subsided
	Sta. Elena	-	Subsided
Bula	Balaogan	-	Subsided
	Palsong	-	Subsided
NCR			
Quezon City	N.S. Amoranto Retiro St. Cor Sto. Domingo Ave.	2-3 ft	Subsided
Valenzuela City	Brgy. Malanday, M.H Del Pilar Pamana	10-12 inches	Subsided
	Brgy. Malanday, Front of Phoenix	13-14 inches	Subsided
	Brgy. Polo, M.H Del Pilar Polo	-	Subsided
	Brgy. Arkong Bato, M.H Del Pilar Road	-	Subsided
	Brgy. Palasan, Palasan Road	-	Subsided
	Brgy. Mabolon, M.H Del Pilar cor Lee Hongkong	-	Subsided
	Brgy. Mabolon, Cor. San Roque Church	-	Subsided
	Brgy. Dalandana, G. Lazaro Rd	10-14 inches	Subsided
	Brgy. Dalandanan, Malanday cor. T Santiago	-	Subsided
	Veinte Reales Natl HS	12-14 inches	Subsided
	Veinte Reales Plastic City Entrance	-	Subsided
	Veinte Reales T Santiago	-	Subsided

Sources: OCDROs III, V, and NCR

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SUSPENSION OF CLASSES**

PROVINCE / MUNICIPALITY / CITY	LEVEL / SCHOOL	DATE OF SUSPENSION
REGION I		
Ilocos Norte		
Laoag City	Preschool	25 August 2017
Batac City	Preschool	25 August 2017
Ilocos Sur		
Province-wide	All Levels	26 August 2017
Candon City	Preschool to High School	25 August 2017
Vigan City	Preschool to High School	25 August 2017
La Union		
Province-wide	Preschool	25 August 2017
San Fernando City	All Levels	26 August 2017
Agoo	Preschool to High School	25 August 2017
Caba	Preschool to Senior High School	
San Gabriel	Preschool to Senior High School	25 August 2017
Aringay	All Levels	25 August 2017
Pangasinan		
Alaminos City	Preschool	25 August 2017
San Carlos City		25 August 2017
Dagupan City		25 August 2017
Urdaneta City		25 August 2017
Calasiao	Preschool to Elementary	25 August 2017
Mangaldan	Preschool	25 August 2017
REGION II		
Isabela	All Levels	25 August 2017
Cagayan	Preschool to Senior High School	25 August 2017
Quirino	Preschool to Senior High School	25 August 2017
Nueva Vizcaya	Preschool to Senior High School	25 August 2017
Region III		
Aurora		
Baler	All Levels	25 August 2017
Casiguran	All Levels	25 August 2017
Dilasag	All Levels	25 August 2017
Dingalan	All Levels	25 August 2017
Dipaculao	All Levels	25 August 2017
Nueva Ecija	All Levels	26 August 2017
Pampanga		
Guagua	All Levels	26 August 2017

PROVINCE / MUNICIPALITY / CITY	LEVEL / SCHOOL	DATE OF SUSPENSION
Bulacan		
City of Meycauayan	All Levels	26 August 2017
Sta. Maria	All Levels	26 August 2017
Bocaue	All Levels	26 August 2017
Sto. Niño	All Levels	-
Mataguiti	All Levels	-
San Gabriel	All Levels	-
Bataan	All Levels	26 August 2017
CALABARZON		
Province of Cavite	All Levels	26 August 2017
Rizal		
Angono	All Levels	26 August 2017
Binangonan	All Levels	26 August 2017
San Mateo	All Levels	26 August 2017
Taytay	All Levels	26 August 2017
Morong	All Levels	26 August 2017
Rodriguez	All Levels	26 August 2017
Cainta	All Levels	26 August 2017
Antipolo City	All Levels	26 August 2017
Region V		
Camarines Norte	Preschool	As of 25 August 2017, 12:00 NN
Camarines Sur		
Province-wide	All Levels	As of 25 August 2017, 12:00 NN
Naga City	Preschool	As of 25 August 2017, 12:00 NN
Catanduanes	Preschool	As of 25 August 2017, 12:00 NN
CAR		
Benguet		
Province-wide	Preschool	25 August 2017
Baguio City	All Levels	-
Mankayan	Preschool to Elementary	-
La Trinidad	All Levels	26 August 2017
Apayao	Preschool	25 August 2017
Abra	Preschool	25 August 2017
Ifugao	Preschool to High School	25 August 2017
Kalinga	Preschool to High School	25 August 2017
Mt. Province	Preschool to High School	25 August 2017
NCR		
Malabon	All Levels	25 August 2017
Manila	All Levels	25 August 2017
Marikina	All Levels	25 August 2017
Parañaque	All Levels	25 August 2017
San Juan	All Levels	25 August 2017
Navotas	Governor Andres Pascual College and Navotas Polytechnic College	26 August 2017

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ROADS AND BRIDGES

ROAD SECTION / BRIDGE	DESCRIPTION	REMARKS
REGION III		
Bulacan		
MNR KM0020+900-K0021+300 SM, Marilao Section	Not passable to all types of vehicles.	Passable as of 26 August 2017, 6:00 PM.
CAR		
Apayao		
Conner-Kabugao Road, K0601+700 Mallag, Kabugao	-	-
Baguio City		
Kennon Road	Closed to traffic at 25 August 2017, 08:00 PM, due to TS JOLINA.	Marcos Highway or Naguilian Road as alternate route going to and from Baguio City. Passable as of 26 August 2017, 9:28 AM.
Ifugao		
Kiangan-Tinoc-Buguias Boundary Road K0342+600 Luhab, Tinoc	Soil collapse covering the whole road width with an approximate length of 20 m	Not passable. Mobilized equipment for clearing operations. Passable as of 25 August 2017, 8:14 PM.
Banaue-Mayoyao-Alfonso Lista-Isabela Boundary Road, K0352+000 – K0407+000	Intermittent sections, Bangaan, Banaue to Galonogon, Aguineldo, Ifugao	-
Lower Kalinga		
Tabuk-Banaue Road, k0543+600 – k0543+800 Dumanay Section, Tanudan	Slide and road collapse were reported. Section is aggravated due to continuous heavy rains.	Not passable. Installed warning signs
Benguet		
Baguio-Bua-Itogon Road, k0259+400 – k0259+500 1 st Gate, Ucab, Itogon	Sinking Pavement	Not passable. Installed warning signs
Acop-Kapanagan-Kibungan-Bakun Road, K0306+985 – K0307+015 Poblacion, Kibungan	-	-
Mt. Province		
Talubin-Barlig-Natonin-Parcelis-Calaccad Road	-	-

Sources: DPWH, OCDROs III and CAR

**Preparedness Measures and Effects of Tropical Storm “JOLINA” (I.N. PAKHAR)
24 – 26 August 2017
DISASTER PREPAREDNESS**

A. National Disaster Risk Reduction and Management Council

1. NDRRM Operations Center (NDRRMOC)

- a. A Pre-Disaster Risk Assessment (PDRA) Meeting was convened on 25 August 2017, 9:00 AM regarding Tropical Storm “JOLINA”. Consequently, the alert status at the NDRRM Operations Center was raised from normal to BLUE effective 25 August 2017, 12:00 NN and was further raised to RED ALERT at 6:00 PM on the same day.
- b. Issued NDRRMC Memorandum No.104 s. 2017 dated 25 August 2017 to all concerned NDRRMC member-agencies and RDRRMCs I, II, III, CALABARZON, MIMAROPA, V, and CAR regarding:
 - Raising of Alert Status at the National Disaster Risk Reduction and Management Operations Center to “BLUE” for TS “JOLINA” effective 25 August 2017, 12:00 NN.
 - RDRRMCs I, II, III, CALABARZON, MIMAROPA, V, and CAR to raise alert status to “RED”.
 - RDRRMCs to issue an advisory for the public to refrain from doing outdoor activities (caving, surfing, spelunking, mountaineering, and other similar activities) and avoid going to landslide and flood-prone areas.
 - RDRRMCs to revisit their Contingency Plans for possible simultaneous occurrence of Hydro-Meteorological and Geological Hazards, also considering the Dam Integrity within their respective AORs.
- c. Issued NDRRMC Memorandum No. 105 S. 2017 dated 25 August 2017 raising of the alert status of NDRRMOC from BLUE to RED Alert Status effective 25 August 2017, 6:00 PM.
- d. Activated the National Response Cluster at the NDRRMOC on 25 August 2017.

2. Department of Interior and Local Government (DILG)

- a. Provided information/advisories to all concerned DILG ROs regarding the development of the TS “JOLINA” thru emails and text blasts.
- b. Activated the DILG Regional Disaster Reporting and Monitoring.
- c. Instructed all concerned DILG ROs to take proactive measures in the impending disaster.
- d. Advised Local Government Units (LGUs) to activate pre-disaster monitoring.
- e. Directed Local Chief Executives (LCEs) to comply with the disaster preparedness protocols.
- f. Provided constant updates on weather alerts/advisories to LGUs.
- g. Activated Disaster Monitoring and Reporting System for Regions I, II, III, and CAR.
- h. Advised Regional Offices of I, II, III, CALABARZON, V, and CAR to activate their respective disaster monitoring and reporting systems.
- i. Ensured that LGUs were actively carrying out actions as suggested in Operation LISTO and more, if necessary, to prepare communities

especially those in low-lying and/or landslide-prone areas, highways and riverbanks, including fishermen.

- j. Advised all Regions concerned for the Tropical Storm and directed to advise all LGUs concerned on the following to:
 - Monitor all PAGASA weather advisories and typhoon bulletins as well as the Project NOAH via website
 - Establish critical preparedness actions based on the Operation L!STO protocols, and prioritize prepositioning of supplies and equipment for response
 - CODIX coordinate with PAGASA, MGB, and other concerned agencies in monitoring and updates for the Tropical Depression.
- k. Provided concerned DILG ROs PAGASA's List of Potential Critical Cyclone Track Chart (Hotdog track) for dissemination to concerned LGUs.

3. Department of Social Welfare and Development (DSWD)

- a. Prepositioned a total of 410,635 Family Food Packs (FFPs) amounting to ₱143,592,079.54 and available Food and Non-food Items (FNIs) amounting to ₱447,093,798.52.
- b. Standby fund amounting to **₱835,069,814.20** is available in the Central Office and Field Offices. Of the said amount, ₱788,045,921.47 is the available Quick Response Fund in the Central Office:

FIELD OFFICE	STANDBY FUNDS	STOCKPILE					TOTAL STANDBY FUNDS AND STOCKPILE
		Family Food Packs		Food	Non-Food	Sub-Total (Food and FNIs)	
		Quantity	Total Cost				
TOTAL	835,069,814.20	410,635	143,592,079.54	145,013,124.32	302,080,674.20	447,093,798.52	1,425,755,692.26
CO*	788,045,921.47	-	-	-	-	-	788,045,921.47
NROC	-	48,860	16,707,188.40	39,534,271.83	44,935,644.40	84,469,916.23	101,177,104.63
CAR	3,021,659.00	9,735	3,848,440.86	2,803,501.07	671,300.00	3,474,801.07	10,344,900.93
I	3,249,542.66	10,106	4,033,102.48	532,502.00	10,166,650.16	10,699,152.16	17,981,797.30
II	2,316,400.00	30,596	11,520,757.75	1,682,022.50	5,473,375.67	7,155,398.17	20,992,555.92
III	3,000,000.00	15,464	5,412,400.00	1,297,968.40	5,864,020.02	7,161,988.42	15,574,388.42
CALABARZON	3,000,000.90	23,842	8,061,457.04	863,671.05	7,906,857.72	8,770,528.77	19,831,986.71
MIMAROPA	584,450.79	31,656	10,334,370.60	3,483,074.98	7,123,357.93	10,606,432.91	21,525,254.30
IX	3,000,000.54	18,862	6,919,458.00	6,708,843.00	960,826.36	7,669,669.36	17,589,127.90
NCR	3,274,200.00	42,739	17,087,578.00	796,599.60	37,724,783.78	38,521,383.38	58,883,161.38
NIR	3,000,000.00	4,910	1,854,886.00	32,424,141.00	2,348,737.45	34,772,878.45	39,627,764.45
V	3,000,000.00	25,160	6,841,224.94	618,283.80	6,079,705.79	6,697,989.59	16,539,214.53
VI	3,000,000.00	75,604	27,217,440.00	22,990,095.85	41,525,356.42	64,515,452.27	94,732,892.27
VII	3,000,000.00	24,615	7,657,254.60	14,241,060.41	116,579,734.53	130,820,794.94	141,478,049.54
VIII	633,566.34	3,257	1,172,520.00	1,757,447.50	2,037,602.10	3,795,049.60	5,601,135.94
X	3,944,072.50	5,200	1,846,292.00	2,465,431.00	995,406.00	3,460,837.00	9,251,201.50
XI	3,000,000.00	19,664	6,522,710.63	2,037,762.97	5,006,323.46	7,044,086.43	16,566,797.06
XII	3,000,000.00	6,153	2,215,080.00	10,052,725.00	3,821,721.67	13,874,446.67	19,089,526.67
CARAGA	3,000,000.00	14,212	4,339,918.24	723,722.36	2,859,270.74	3,582,993.10	10,922,911.34

- c. The DSWD-DReAMB was on RED alert status on 25 August 2017, 6:00 PM.
- d. Placed all Quick Response Teams (QRTs) on standby.
- e. The Disaster Response Operations Monitoring and Information Center (DROMIC) of DSWD-DReAMB monitored reports related to TS "JOLINA".

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

- a. Disseminated weather forecasts, General Flood Advisories, and Severe Weather Bulletins re Tropical Storm “JOLINA”.
- b. Magat FFWS Dam Office commenced the Flood Precaution Period of the Dam Discharge Warning Operation on 25 August 2017, 9:30 AM.

5. Mines and Geosciences Bureau (DENR-MGB)

- a. Provided list of areas susceptible for flooding and landslides.

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

- RDRRMCs I, II, III, CALABARZON, MIMAROPA, V, CAR, and NCR disseminated weather advisories/bulletins to RDRRMC member-agencies, P/C/MDRRMCs, and local media (radio stations) through OCD Info-Board Text Blast System, and uploaded the same to social accounts to effectively ensure public safety and achieve zero-casualty; alerted and closely coordinated with all PDRRMCs and RDRRMC member-agencies for possible rescue, relief, and other response operations relative to the weather disturbance; and monitored the situation in their respective AORs.
- RDRRMCs I, II, MIMAROPA, V, and CAR raised their respective alert status to RED Alert in preparation for the possible conduct of Search and Rescue Operations and for the provision of assistance to the affected families.

1. RDRRMC I

Office of Civil Defense (OCD) I

- a. Raised Alert Status to RED effective 25 August 2017, 4:00 PM.
- b. Conducted Pre-Disaster Risk Assessment (PDRA) Meeting at 10:00 AM, 25 August 2017.
- c. Activated the Emergency Operations Center (EOC) and the Regional Response Cluster effective 25 August 2017, 5:00 PM.
- a. Disseminated Memorandum to RDRRMC I member-agencies and PDRRMOs re Raising of Alert Status into Blue Alert and subsequently elevated to Red Alert.
- b. Advised Regional IMT, RETT, and RDANA Team to be on standby for possible deployment.

Department Of Science and Technology (DOST) I

- a. Monitored the Hydromet Stations in the region for timely updates.
- b. Prepared for Operation HANDA to strengthen monitoring of Natural Hazards.

Department of Interior and Local Government (DILG) I

- a. Forwarded Severe Weather Bulletins to all four (4) Provinces.
- b. Advised Provincial Offices to ensure that Local DRRMCs within their AORs are carrying-out preparedness actions, as suggested in the Operation LISTO Protocols, and prepare communities in low-lying and/or landslide-prone areas, highways, and riverbanks.

Department of Social Welfare and Development (DSWD) I

- a. Monitored updates re TS "JOLINA" while the Social Welfare Action Development Team coordinated with the P/M/CSWDO on the status of their respective areas.
- b. Activated the DReAM Unit EOC.
- c. Maintained a stockpile of 30,597 FFPs of which, some were prepositioned in satellite warehouses.
- d. Monitored inventory of stockpile and prepositioned goods.
- e. Prepositioned a total of ₱11,520,757.75 worth of relief goods and ₱2,316,400.00 quick response fund for disaster operation.

Bureau of Fisheries and Aquatic Resources (BFAR) I

- a. Activated the Regional Command Center for close monitoring.
- b. Issued Memorandum re Blue Alert Status to concerned Operating Units.
- c. Executed preparedness measures.
- d. Monitored fisheries projects and production facilities.

Bureau of Fire Protection (BFP) I

- a. Directed all BFP personnel to be ready and extend the necessary assistance in case of emergencies and other eventualities that may arise; distributed information materials/flyers on disaster preparedness to the citizenry; and conducted "Ugnayan sa Barangay" particularly on the Basic Safety Tips on what to do during typhoon.
- b. Ensured the availability of fire personnel, apparatus, and auxiliary units that suit the needs of the emergency situation.
- c. Ensured prompt and effective delivery of basic emergency services.
- d. Utilized the siren of the rescue ambulance/fire trucks as an early warning system to inform the citizenry that a typhoon is approaching the area.

Department of Agriculture (DA) I

- a. Ensured availability of supplies of basic agricultural commodities of which as per monitoring by Agribusiness and Marketing Assistance (AMAD).
- b. Prepared sufficient seed buffer stock in rice, corn, and vegetable to be distributed to affected farmers.

Department of Education (DepEd) I

- a. Disseminated advisories from DepEd DRRMS Central Office to DepEd DRRM Regional/Division Coordinators and DepEd Regional Chiefs/School Heads or DRRM Coordinators to ensure preparedness measures.
- b. Coordinated with the concerned municipalities / cities on class suspension/resumption and learning continuity to assure quality education.
- c. Tracked the location of regional/division/school personnel and learners.

Department of Health (DOH) RO I

- a. RESU HEMS Operations Center was on code white alert status and was on an 8-hour duty (8AM - 12 PM).
- b. The OpCen of the 4 Provincial DOH Offices were also on 8-hour duty and in direct coordination with their respective DRRMCs.
- c. Prepositioned Drugs and Medicines to the PDOHOs.

Department of Public Works and Highways (DPWH) I

- a. Activated District DRRM Team.
- b. Placed all response resources and assets.
- c. Monitored road status.
- d. Submitted Situational Report Regularly to RDRRMC I EOC.

COAST GUARD DISTRICT NORTH WESTERN LUZON (CGD-NWLZN)

- a. Activated Deployable Response Group (DRG) within AOR including the CGDNWLZN DRG Team, CGS Sual and Sub-Station DRG Team, CGS Salomague and Sub-stations DRG Team, and CGS Currimao and Sub-stations DRG Team.
- b. Activated District Crisis Management Council (DCMC).
- c. Conducted Information Drive including “Paalala sa Mangingisda”/ MC No. 01-09 Guidelines on Movement of Vessels during Heavy Weather.
- d. District stations were on heightened alert, floating assets were prepositioned, and Deployable Response Groups (DRG) were on standby.

Philippine Army (PA)

- a. Response teams were on standby alert for deployment and possible conduct of Humanitarian Assistance and Disaster Relief (HADR) operations.

Philippine Information Agency (PIA) I

- a. Monitored effects of the weather disturbance from LGUs by PIA’s info officers/action officers, partner agencies in all 4 provinces.
- b. Disseminated weather reports/alerts via social media, CP contacts, SMART InfoBoard, and radio programs.
- c. Maintained linkage to RDRRMC I spokesperson and media.
- d. Prepared Press Releases regarding the situation.

Police Regional Office (PRO) I

- a. Advised the lower units re activation of their respective Disaster Incident Management Task Group (DIMTG) as the situation may require.
- b. Reminded all responders to secure/evacuate their family to safe area before disaster strikes.
- c. Coordinated with LDRRMCs.
- d. Strengthened resilience of emergency telecommunications.
- e. Ensured the readiness of SRR equipment and supplies to support the operational requirements (e.g. rubber boats, utility ropes, floating devise, gasoline, flashlights, communication equipment, and first aid kit).
- f. Forwarded deployment and prepositioning of Search and Rescue Assets.

Naval Force Northern Luzon, AFP (NFNL)

- a. Ensured that response resources are available and ready for deployment.

702nd Brigade, AFP

- a. Activated Response Units.
- b. Placed resources and assets on available status in preparation for deployment.
- c. Coordinated with RDRRMC I for any assistance.

Philippine Red Cross (PRC) La Union/San Fernando City Chapters

- a. Alerted chapter staff, RC 143 Municipal Coordinators, and volunteers to be on standby, and reported to Chapter OPCEN any untoward incident.
- b. Daily Weather Bulletin and flood advisory from OCD were disseminated among RC 143 Municipal Coordinators thru text blast.
- c. Conducted chapter Capacity Assessment on the following inventories:
 - Manpower available
 - Inventory of relief items
 - Food and Non-food item
 - Inventory of chapter vehicles, response equipment, and radio communications equipment.

PDRRMC Ilocos Norte

- a. Informed all City/Municipal DRRMCs to be on alert status and monitor weather bulletins from PAGASA, regarding TS “JOLINA”. Furthermore, they advised them to prepare equipment - dump trucks, rubber boats, evacuation centers, ambulances, food packs, medicines, and personnel and other resources and monitor flood-risk areas.
- b. Informed PNP, BFP, 5057 Search and Rescue Team of the Philippine Air Force, Coast Guard, and Philippine Army to be on alert status.
- c. Monitored the health condition of vulnerable groups.
- d. Prohibited children from swimming and fishing in swollen rivers and creeks.
- e. Advised all residents to limit outside exposure and stay indoors during heavy downpour and thunderstorm accompanied by lightning.
- f. Advised farmers to secure their livestock in safe areas and for fishermen not to venture out to sea.
- g. Informed PDRRMC members to be on alert status and monitor weather updates.
- h. Conducted PDRA at the EOC.
- i. Prepositioned relief goods, food packs, and non-food items to the 7 Resiliency Headquarters.
- j. Provided medicines, jerry cans, hyposol, aquatabs, and chlorine to RHUs.
- k. Prepositioned heavy equipment and rubber boat at the EOC.

PDRRMC Ilocos Sur

- a. Disseminated Information to the C/MDRRMOs as well as the public through text blast and social media about up-to-date weather information and warnings.
- b. Updated the Tropical Cyclone Information Board of LGU.
- c. Prepared rescue vehicles and equipment for deployment.
- d. PDRRM Staff on duty monitored updates on Tropical Storm “JOLINA”.

PDRRMC La Union

- a. Raised alert status at Operations Center effective 25 August 2017.
- b. Disseminated Critical Cyclone Track Chart, updated list of landslide and flood areas, PAGASA’s GSM/WRFM/Forecast Rainfall, PDRA presentation on TS “JOLINA”, and river basins and municipalities affected by TS “JOLINA”.

PDRRMC Pangasinan

- a. Raised status from Blue to Red Alert.

- b. Monitored the situation and prepared disaster rescue equipment for possible response operation.
- c. Monitored PAGASA's Weather Bulletin, San Roque Dam monitoring, Agno Flood Forecasting, and Warning Advisories.
- d. Issued Memo to lower DRRMO/Cs in the Province of Pangasinan to implement their Preparedness Plan and to undertake all precautionary measures.
- e. Disseminated information on preparedness and advisories through Tri-Media and social media to ensure public safety.
- f. Alerted Cities and Municipalities along the river basins to continuously monitor the water level.
- g. Prepositioned PDRRMC rescue boats in the hazard prone Municipalities of San Fabian, Bani, Dasol, Mangataram, Calasiao, Lingayen, and Mabini.
- h. Informed BDRRMCs to monitor and not to allow residents especially the minors to swim along the river system.
- i. Monitored water level in the AOR.
- j. Disseminated weather situations and updates to the Field Officers thru the Cluster leaders and Provincial Government of Pangasinan and PDRRMC thru emails and SMS.
- k. Disseminated flood alert advisories to all municipalities, especially along riverbanks.
- l. Informed LGUs with coastal barangays to take precautionary measures when going out to sea and be alerted to any warnings as disseminated by their respective DRRMCs.

CDRRMC Dagupan City (Pangasinan)

- a. Monitored the situation in their AOR.
- b. Requested assistance from PCG to advise fisherman not to venture out into the sea.
- c. Advised BDRRMC to activate its respective Operations Center.
- d. Conducted flood monitoring on low-lying barangays and coastal areas.
- e. Implemented no swimming policy due to TS "JOLINA".

MDRRMC Calasiao (Pangasinan)

- a. Prepared necessary equipment and evacuation centers.
- b. Disseminated information and advisories to all barangay officials and other concerned agencies.

LGU San Fernando City

- a. Activated Operations Center as of 25 August 2017.
- b. Prepositioned equipment and assets.

LGU San Gabriel

- a. Activated Operations Center as of 25 August 2017.
- b. Temporarily closed Tangadan Falls to public as of 25 August 2017.

LGU Luna

- a. Activated Operations Center on 25 August 2017.
- b. Coordinated with local PNP and BFP.
- c. Monitored coastal barangays.

MDRRMC Vintar (Ilocos Norte)

- a. Convened MDRRM Council members upon receipt of signal.
- b. Utilized the electronic activated siren to warn the public.
- c. Activated the Vintar Search and Rescue Group and Incident Response Management.
- d. Prepared all the response vehicles, heavy equipment and search and rescue equipment for disaster preparedness and response measures.
- e. Placed Vintar Search and Rescue Group (VSARG) and Vintar Incident Response and Management on standby for possible deployment.
- f. The clearing team conducted roving operation and ocular inspection to check all major and municipal road networks for possible blockages.

MDRRMC Paoay (Ilocos Norte)

- a. Advised BDRRMCs to monitor the situation in their AOR.
- b. Prepositioned heavy equipment.

MDRRMC Anda (Pangasinan)

- a. Informed BDRRMCs to monitor the situation and not to allow their residents to venture out into the sea.

MDRRMC Bautista (Pangasinan)

- a. Conducted PDRA Meeting with BDRRMCs.
- b. Disseminated preparedness and advisories through telephone calls, social media and Automatic Disaster Response Information System (ADRIIS) text blast to ensure public safety.
- c. Advised BDRRMCs to initiate pre-emptive evacuation especially those along the high risk flood Barangays.
- d. Monitored the flow of Agno River.
- e. Placed all Accredited Community Disaster Volunteers (ACDVs), Emergency Response Teams (ERT), WASAR teams and vehicles for deployment on standby status.
- f. Informed BDRRMCs not to allow residents along Agno River to swim.
- g. Alerted Philippine Red Cross 143 Trained Community Based Health First Aid (CBHFA) volunteers in the AOR to assist BDRRMCs for possible emergency response.
- h. Raised Red Alert Level effective 25 August 2017, 3:00 PM.
- i. Alerted BDRRMCs along the Agno River Basins to continuously monitor the water level.

MDRRMC Mangaldan (Pangasinan)

- a. Raised alert status to RED.
- b. Activated EOC and prepared rescue equipment.
- c. Advised BDRRMCs not to allow swimming for residents, particularly minors, along the Agno River.

MDRRMC Sta. Barbara (Pangasinan)

- a. Monitored and prepared all necessary equipment for possible response.
- b. Monitored the flow of water of Sinucalan River from upstream.
- c. Coordinated with the Barangay Officials especially to low-lying areas.
- d. Monitored and coordinated with BFP and PNP-Sta. Barbara.
- e. Coordinated with BDRRMCs that are prone to flooding.

- f. Alerted all volunteers and WASAR teams.

MDRRMC Labrador (Pangasinan)

- a. Disseminated information on preparedness and advisories through the Tri-media to ensure public safety especially for fishermen along coastal areas to prevent them from venturing out to sea.

CDRRMC Alaminos City (Pangasinan)

- a. Raised the alert status of the Alaminos City DRRM OpCen to BLUE as of 25 August 2017, 5:00 AM.
- b. Monitored weather bulletins/updates to be sent to CDRRMC member agencies.
- c. WASAR teams communicated and coordinated with the CDRRMC barangays, flood-prone barangays and along Alaminos River.
- d. Advised punong barangays to activate their BDRRMC.

MDRRMC Bolinao (Pangasinan)

- a. Monitored PAGASA Weather Updates.
- b. Prepared response team and equipment in case of an emergency.
- c. Monitored AOR for any possible incidents.
- d. Coordinated with the Punong Barangays, PNP, BFP, MSWDO, PCG, and other agencies involved.

MDRRMC Dasol (Pangasinan)

- a. Raised status to Blue Alert.
- b. Monitored weather condition and its possible effects.
- c. Advised Punong Barangays to initiate pre-emptive evacuation specially those living along the river banks.
- d. Alerted residents in low-lying and mountainous areas against possible flashfloods and landslides.
- e. Activated the LOCAL (Barangay) Disaster Risk Reduction and Management Council for early warning measures and vigilant monitoring on their respective AOR.

CDRRMC San Carlos (Pangasinan)

- a. Monitored national agencies' website for additional information and alerts.
- b. Coordinated with CDRRM Council, Partner Agencies, NGOs, DepEd, and BDRRMCs.

MDRRMC Villasis (Pangasinan)

- a. Monitored the movement of TS "JOLINA" through PAGASA's weather Bulletins.
- b. Disseminated information through Tri-Media and social media to ensure public safety.
- c. Coordinated with the barangays that are prone to flooding.
- d. Disseminated TCWS advisory to all BDRRMCs.

MDRRMC Bugallon (Pangasinan)

- a. Conducted ocular inspection with the PDRRMC Pangasinan and Municipal Police Office.

MDRRMC Currimao (Ilocos Norte)

- a. Activated MDRRMC-EOC as of 25 August 2017.

MDRRMC Infanta (Pangasinan)

- a. Activated Incident Command System (ICS).
- b. Disseminated weather updates through social media and tri-media, and coordinated with the local PNP and PCG personnel in monitoring and informing BDRRMCs.

2. RDRRMC II

OCD II

- a. Raised Alert Status to BLUE effective 24 August 2017, 5:00 PM.
- b. Conducted PDRA Meeting with Cagayan Valley DRRM Council members on 25 August 2017 at PAGASA Northern Luzon Conference Hall, Tuguegarao City.
- c. Coordinated with Cagayan Valley DRRM Council members and PDRRMCs on TS "JOLINA" updates.
- d. Disseminated Cagayan Valley DRRMC Memorandum to all P/C/M DRRMCs re raising alert status.
- e. Coordinated with 17th IB, Philippine Army re Deployment of one (1) RET Team at the Cagayan Valley DRRM Operations Center.
- f. Placed the Regional RETT and RDANA Teams on stand-by/alert status.
- g. Established communication link with PDRRM Operations Center thru HF/VHF radio communications.

DOST II

- a. Monitored Automatic Rain Gauges (ARG), Water level, Monitoring Stations (WLMS), and automatic Weather Stations (AWS) to ensure sending of data every 10 - 15 minutes.
- b. Disseminated latest weather bulletins to LGUs and concerned institutions.
- c. Posted latest weather bulletins to DOST RO2 and Facebook account.

DILG II

- a. Disseminated weather bulletins/advisories to LGUs and coordinated with OCD and PAGASA re situation updates.

DSWD II

- a. Alerted the Social Welfare and Development (SWAD) Teams and the Disaster Management and Response Team (DMRT) in the provinces of Cagayan, Isabela, Quirino, and Nueva Vizcaya and rendered duty effective 25 August 2017 together with their respective PDRRMCs.
- b. Prepositioned a total of ₱10,330,246.43 standby funds and 15,464 Family Food Packs (FFPs). Likewise, readily available goods for packing were:
 - Sacks of NFA rice
 - Boxes of corned beef
 - Sardines
 - Meat Loaf
 - Sausage
 - Blend 45 Coffee 3-in-1
- c. Attended the PDRA Meeting of the RDRRMC initiated by OCD at the PAGASA Building, Cagayan Provincial Capitol, Tuguegarao City.

DOH II

- a. Activated Code white alert.
- b. Prepositioned drugs and medicines and other logistics amounting to ₱ 250,000.00 per province.
- c. Activated Regional Response Team and Rapid Health assessment Team per PDOHOs on standby for possible deployment.

CGDNELZN

- a. Closely monitored PAGASA weather bulletins and strict implementation of the Guidelines on Movement of Vessels during heavy Weather Forecast and other PCG rules and regulations.
- b. Placed Quick Response teams (QRTs), OPCON SAR units/vessels, and other responding teams/units on standby.
- c. Manned 24/7 Command Centers.

PIA II

- a. Disseminated bulletins/updates regarding TS “JOLINA” thru SMS.
- b. Disseminated SMS updates to the PIA Central Office and posted at the official website of the Philippine Information Agency.
- c. Posted a press release at its website and at the national office.

PRO II

- a. Attended PDRA Meeting of the RDRRMC initiated by OCD at the PAGASA Building, Cagayan Provincial Capitol, Tuguegarao City.
- b. Disseminated bulletins/updates re TS “JOLINA” to all PPOs and SCPO.
- c. Placed all PDs and CD, SCPO, BC, and RPSB2 on stand-by status with their Disaster Response Teams particularly in disaster-prone areas.
- d. Coordinated with PDRRMC and MDRMC for operational support to ensure readiness of SAR equipment and supplies of all PDs and CD, SCPO, BC, and RPSB2.
- e. Alerted all residents living in low-lying and mountainous areas against possible flashfloods and landslides. Likewise, alerted all those living in coastal areas against huge waves or storm surges generated by TS “JOLINA”.
- f. Advised all fishermen using fishing boats and other small sea crafts not to venture out into the sea.
- g. Monitored all overflow bridges and water levels.
- h. Directed Cagayan PPO and Isabela PPO to monitor overflow bridges and water level of bridges
- i. Assisted displaced persons inside the evacuation centers and those who are returning to their respective homes.
- j. Conducted patrol and security to houses left by evacuees to prevent looting.
- k. Assisted in the clearing operations of roads.

PDRRMC Batanes

- a. Disseminated weather updates to MDRRMCs and other members of the council.

PDRRMC Isabela

- a. Monitored the situation within its AOR and issued directive on the suspension of classes at all levels.
- b. Conducted PDRA Meeting at 25 August 2017, 9:00 AM.

- c. Implemented a No Sail, No Fishing Policy and Liquor Ban in the Province.
- d. Disseminated weather bulletins/ advisories to its AOR.
- e. Convened the PDRRMC for news and updates regarding TS “JOLINA”.
- f. Deployed rescue teams.
- g. Distributed relief goods in all affected LGUs.
- h. Prepositioned 250 packs of relief goods each in the municipalities of Jones, San Agustin, San Guillermo and 4 coastal municipalities.
- i. Prepositioned 250 packs of relief goods each in the municipalities of Jones, San Agustin, San Guillermo and 4 coastal municipalities
- j. Deployed rescue teams and distributed relief goods in all affected LGUs.

PDRRMC Nueva Vizcaya

- a. Raised alert status to Blue.
- b. Conducted PDRA Meeting on 25 August 2017, 10:00 AM.
- c. Monitored the situation within its AOR.
- d. Issued advisory on the suspension of classes in all levels.
- e. Disseminated weather bulletins/advisories to its AOR.
- f. Dispatched 6 teams of DPWH for monitoring of roads and bridges.
- g. Conducted Rapid Damage Assessment and Needs Analysis (RDANA).

PDRRMC Quirino

- h. Raised alert status to Blue.
- i. Conducted PDRA Meeting at 25 August 2017, 10:00 AM.
- j. Monitored the situation within its AOR.
- k. Issued advisory on the suspension of classes in all levels.
- l. Disseminated weather bulletins/advisories to its AOR.
- m. Dispatched 6 teams of DPWH for monitoring of roads and bridges.
- n. Conducted Rapid Damage Assessment and Needs Analysis (RDANA).
- o. Dispatched 6 teams of DPWH DEO for monitoring of roads and bridges.

PDRRMC Cagayan

- a. Attended the PDRA Meeting of the RDRRMC initiated by OCD at the PAGASA Building, Cagayan Provincial Capitol, Tuguegarao City.
- b. Monitored water level of Tuguegarao Gauging Stations in Isabela, Quirino province tributaries and upper main Cagayan River.
- c. Disseminated weather bulletins/ advisories within its AOR.
- d. Alerted all TFLC/POPE/QRT/Responders in the province.
- e. Coordinated with 17th IB, PA and Social Welfare and Development (SWAD) Cagayan team of DSWD FO II for possible deployment.

CDRRMC Tuguegarao (Cagayan)

- a. Disseminated weather bulletins/advisories within its AOR.
- b. Raised alert status to Blue.
- c. Placed Recue 111 on alert status for possible deployment.

CDRRMC Cauayan (Isabela)

- a. Disseminated weather bulletins/ advisories within its AOR.
- b. Monitored status of all roads and bridges.
- c. Monitored water level of Magat Dam and the rivers at Cuayan City.
- d. Placed Disaster Response Team (DRT) on alert status.

3. RDRRMC III

OCD III

- a. Raised alert status from Blue Alert to Red Alert effective 25 August 2017, 12:00 NN.
- b. Advised all agencies to alert their field units and continuous monitor any possible effects of the TS “JOLINA.”
- c. Raised RDRRMC Emergency Operation Center (EOC) alert Status to Blue Alert effective 24 August 2017, 05:00 PM in preparation for the possible effects of TS “JOLINA” in the region and effects of the Avian Influenza (Bird Flu) in Pampanga and Nueva Ecija.
- d. Conducted PDRA Meeting for TS “JOLINA” on 25 August 2017.
- e. Advised PDRRMC Nueva Ecija to take precautionary measures against possible occurrence of floods in low lying areas, flashfloods and landslides in mountainous areas. Also advised PDRRMC Nueva Ecija to monitor fishing activities to prevent maritime incidents.
- f. Sent RDRRMC Memorandum to 7ID, PCG, PNP, BFP, NTC, and PAGASA to render duty at the RDRRMOC.

DILG III

- a. Issued advisories to all Field Offices to activate its Oplan Listo and continuously monitor the weather situations in its AOR.
- b. Reactivated the DILG Aurora LDRRM Operation Centers in the LGUs to ensure close monitoring and proper coordination as well as the dissemination of Advisory No. 1 re: TD “JOLINA” thru SMS and phone calls to Barangay Disaster Risk Reduction and Management Committee.
- c. Issued sailing prohibitions to LGUs with coastal barangays, raised gale warning flag from green to red, and conducted “Bandilyo” to warn residents at high risk areas regarding possible flood and storm surge.
- d. Coordinated with MDRRMO, PNP, Coast Guards and Barangay Officials to ensure the effective implementation of directives.
- e. Disseminated advisories received from PAGASA and DILG CODIX to all 11 Municipalities and 1 City.
- f. Coordinated with PDRRMO for an intensified preparedness monitoring and appropriate actions to be done if warrants.
- g. Informed LGUs with coastal barangays to take precautionary measures when going out to sea and be alerted to any warnings (if any) as disseminated by its respective DRRMCs.
- h. Forwarded all text messages received from DRR and CODIX Regional Focal Person re: weather updates, and bulletins to all concerned.
- i. Advised C/MLGOOS and informed LCEs regarding reactivation of Operations Center.
- j. Monitored the situation in the province through the Cluster Team Leaders and the C/MLGOOs.
- k. DILG Pampanga and all LGUs are on alert status.
- l. Disseminated advisory received from DILG CODIX to all 13 Municipalities.

DSWD III

- a. Advised the DSWD-FO III Provincial Extension Offices to take all precautionary measures re TS “JOLINA”.

NTC

- a. Augmented radio communication group at the OCD III Operations Center for faster communication in the region.
- b. Alerted and activated all radio communication groups in the region.
- c. As of 26 August 2017, 07:30 PM personnel from the Radio Communication augmented at the OCD III Operations Center.

BFP III

- a. All BFP Units were on RED Alert Status.
- b. Alerted all BFP stations for possible rescue and response activities.
- c. Conducted roving within AOR per station.

PDRRMCs Aurora and Bataan

- a. Disseminated NDRRMC and PAGASA on Weather Bulletin, Gale Warnings and General Flood Advisories to all MDRMMCs and PDRRMC Member Agencies thru Social media, SMS, and radios.
- b. Coordinated with RDRRMC/PAGASA for further notice.
- c. Prepositioned all resources and response teams.
- d. Advised all DRRM and concerned agencies to report any eventuality.
- e. Monitored critical areas on flooding/landslide in their respective AOR.
- f. Advised to conduct pre-emptive evacuation if necessary.

PDRRMC Aurora

- a. Conducted PDRA Meeting with the mandated members of PDRRM Council on 25 August 2017, 1:00 PM in preparation for TS "JOLINA".
- b. Governor gave directives on repositioning of manpower, equipment, and goods.
 - National agencies (Philippine Army, PNP, Philippine Coast Guard, BFP) continuous coordination with Municipal DRRMCs.
 - DPWH-District Office prepositioned equipment (payloader and dump truck) at Northern Aurora.
 - DSWD already prepositioned a total of 9,000 family food packs for 8 municipalities and for the province.
 - DSWD already prepositioned non-food items at Northern and Dingalan, Aurora.
 - Deployed Philippine Coast Guard personnel along shoreline for strict monitoring and gale warning activation.
 - Medicines are on standby at Provincial Health Office.
- c. Activated 24/7 PDRRMO Operations Center with duty personnel from PDRRMO, PNP, BFP, and Communication Division, AFP.

PDRRMC Nueva Ecija

- a. Activated PDRRMC Operations Center and prepositioned Disaster Response Equipment and Manpower on standby 24/7.
- b. Conducted PDRA Meeting with its PDRRMC member agencies.
- c. Advised the upland for possible landslides and flashfloods.

PDRRMC Tarlac

- a. Raised alert status to RED effective 25 August 2017, 5:00 PM.
- b. Coordinated with LDRRMC's Partner Agencies and monitored the situation.

MDRRMC Baler (Aurora)

- a. Conducted an orientation of partner agencies regarding the Municipal wide Simultaneous Evacuation Drill to prepare the community on the possible effects of Tropical Storm "JOLINA".
- b. Released a directive regarding the lifting of classes for Elementary and Secondary schools effective 25 August 2017, 1:00 PM.
- c. Informed the Barangay Captains to observe the weather and advised to take precautionary measures.
- d. Activated its early warning system (EWS) Gale warning flags.
- e. Advised the Operations Center to activate one Rescue Team to monitor the weather disturbance.
- f. Ensured the readiness of evacuation centers and relief goods.
- g. Informed and instructed the Municipal Tourism Officer to discourage tourists to travel going to Baler, Aurora until weather condition permits.
- h. Assessed the readiness of the SAR team in terms of manpower and equipment.
- i. Raised alert status of the Operation Center to RED effective 25 August 2017, 5:00 PM.
- j. Conducted inspection of water levels at its major rivers and tributaries.

MDRRMC Dingalan (Aurora)

- a. Conducted PDRA with MDRRMC and Barangay Captains at 25 August 2017, 10:00 AM.
- b. Activated Gale Warning Pole from Green to Red flag.
- c. Advised tourists/ travellers to reschedule all planned activities in Dingalan due to TS "JOLINA".
- d. Issued directive in resorts to avoid sea water activities and mountain climbing/hiking activities.
- e. Suspended classes in all private and public elementary and secondary schools.
- f. Monitored weather updates from PAGASA and informed 11 barangays and other concerned thru SMS and social media.
- g. Posted Tropical Cyclone Information Board regarding the updates of Tropical Storm "JOLINA" in conspicuous places.
- h. Informed Search and Rescue and Emergency Response Team re: Tropical Storm "JOLINA".
- i. Conducted information dissemination (BANDILYO, info text) re: Tropical Storm "JOLINA" by the MDRRMO and 11 Barangays.
- j. Assessed and identified possible Evacuation Areas.
- k. Coordinated with Detachment Commander of 56 IB, PA for possibility of Search and Rescue Operation.
- l. Distributed relief goods in Barangays Dikapanikian, Umiray, Ibona, and Matawe.

4. RDRRMC CALABARZON

OCD CALABARZON

- a. Raised alert status at the RDRRMC CALABARZON Operations to BLUE effective 25 August 2017, 8:00 AM.

- b. Raised Red Alert Status per NDRRMC Memorandum No. 104 S. 2017 effective 25 August 2017, 4:00 PM.
- c. Convened PDRA Core Group Meeting on 25 August 2017 in OCD CALABARZON Emergency Operations Center.

DSWD CALABARZON

- a. Prepositioned a total of ₱7,078,800.00 worth of goods.
- b. Activated DMU to monitor possible effects of TS “JOLINA”.
- c. DMU coordinated with the Provincial/Municipal Offices for any significant updates on the effects of TS “JOLINA”.

DILG CALABARZON

- a. Disseminated updates from DILG CODIX to Provincial, City, and Municipal DRRM Focal.

DEPED CALABARZON

- a. Facilitated the suspension of classes in coordination with LGUs.
- b. Prepared the schools for possible use as evacuation centers.
- c. Disseminated weather advisories.
- d. Activated the Response Committee of Standardized DRRM teams.
- e. Prepositioned materials and equipment for possible response operations.

PDRRMCs Cavite, Laguna, Batangas, Rizal, and Quezon

- a. 24/7 on-standby alert status at the PDRRMO Operations Center and continuously coordinating and communicating with the PDRRM Council members and LDRRMOs.

PDRRMC Quezon

- a. All operations of eastern seaboard oriented ports were suspended in view of the anticipated effects of the severe weather.

5. RDRRMC MIMAROPA

OCD MIMAROPA

- a. Joined the PDRA Meeting of NDRRMC via skype for TS “JOLINA”.
- b. Issued Memorandum to RDRRMC Member Agencies and P/C/MDRRMOs of MIMAROPA re Red Alert Status of RDRRMC Operation Center in Batangas City.
- c. Placed Operations Center on Red Alert Status re TS “JOLINA” for coordination/monitoring and assistance.
- d. Issued Memorandum to P/C/MDRRMOs of MIMAROPA re preparedness measures for TS “JOLINA” advising P/C/MDRRMOs in MIMAROPA to observe vigilance and if the situation warrants, effect pre-emptive evacuation of communities identified as highly vulnerable to flooding, landslide, and storm surges.
- e. Coordinated with response agency and monitored weather situation its AOR.
- f. Coordinated with RDRRMC member agencies re Preparedness Measure for TS “JOLINA”.
- g. Ensured close coordination with response agencies and concerned LGUs re situation updates and the possible effects of TS “JOLINA”.
- h. Coordinated with Coast Guard Stations and Substation within the area re Status of Port Operations.

DILG MIMAROPA

- a. Disseminated advisories and rainfall output to all provincial offices and Red Alert Status re TS “JOLINA” to LGUs.
- b. Informed all DRR-CCA Provincial Focal persons to coordinate with DILG Regional Office re preparedness measures of provinces and possible effect of TS “JOLINA”.
- c. Coordinated with Field Officers re effects of TS “JOLINA”.

DSWD MIMAROPA

- a. Activated all P/C/M Quick Response Teams in 5 provinces of MIMAROPA to regularly monitor the situations in its AOR.
- b. Activated all members of R/P/C/M QRTs together with special projects on a 24/7 basis in case there is any untoward incident report happened due to weather disturbance.
- c. Advised our P/MQRTs to coordinate with concerned LGUs to report any unusual eventualities in its respective areas.
- d. Coordinated with the Office of Civil Defense (OCD) for any warning signal updates for monitoring purposes and response mechanism for areas that were affected.
- e. Prepositioned 23,995 Family Food Packs as stockpile to all SWADT and Regional Warehouses including prepositioned goods in identified GIDA/critical areas. Likewise, prepositioned ₱2,090,608.54 standby funds

Warehouse Location	# of Available of Family Food Packs
Regional office manila	6,923
Oriental Mindoro	2,946
Occidental Mindoro	3,650
Marinduque	3,137
Romblon	4,579
Palawan	2,760
Total	23,995

DOH MIMAROPA

- a. Activated OPCEN on a 24/7 basis and was manned by RO MIMAROPA and DOH Retained Hospital will be manned by hospital and HEMS employees.
- b. Monitored all health emergencies of the region and surge capacity of DOH Retained Hospitals and LGU hospitals.
- c. Coordinated with all hospital within the region to prepare for the influx of patients and alerts additional teams (ERT’s and PHT’s) that may be needed.
- d. Prepared materials, logistical and human resources support to the Provincial Health Team Offices and Local Government Units.
- e. Activated Regional Health Emergency Incident Command System.
- f. Coordinated with local response groups for unified health emergency response.
- g. Deployment of PDOHO Public Health Team within its catchment areas.
- h. Prepositioned drugs/medicines in PDOHO, DOH Retained Hospitals, and LGU Strategic and Areas of Concern.
- i. Coordinated with nearby region for augmentation.
- j. Coordinated with SAR teams and other response units.

- k. Initiated Routine Health Assessment and Routine Health Task once CODE ALERT MEMO is activated.
- l. Advised 505 SAR PAF for possible utilization of Air Ambulance.
- m. Advised PAMAS Air Ambulance Services for possible air evacuation.
- n. Issued order to deploy NDP's and RHMPP's to all areas of concern including exit entry points (Air/Sea Ports) , identified evacuation areas to establish Health Assistance Desk on 24/7 basis.
- o. Issued Order for Quad Cluster Team (MHPSS, Nutrition, WASH, Health) for deployment.
- p. Issued order for Rapid Health Assessment Team.
- q. Advised all health personnel on access to mobile phones and 2-way radios must be available until declaration of safe environment.
- r. Advised all DOH REPS/PDOHO in 5 Provinces to be available at the Local Government Units.
- s. Advised Finance Division to ensure availability of funds in cases of emergency purchase.
- t. Advised Supply Section to coordinate with suppliers for additional requirements.
- u. Advised Transport Section to ensure availability of all vehicles and back-up fuel.
- v. Coordinated with RDRRMC and LDRRMC.
- w. Prepositioned water disinfectant and collapsible Jerry Cans in flood-prone areas of MIMAROPA and PDOHO.
- x. Coordinated with Logistics Management Unit in relation to the availability of essential drugs/medicines and medical supplies.
- y. Prepositioned drugs, medicines, and medical supplies to the strategic areas and areas of concern in the Provinces of Occidental Mindoro, Oriental Mindoro, Marinduque, Romblon, and Palawan, and in Ospital ng Palawan, Culion Sanitarium and General, Region Proper and different Rural Health Units.
- z. Prepositioned a total of ₱425,000.00 worth of water disinfectants (Sodium Hypochlorite Hyposol and Water Purification Tablets) and 2,500 pieces of Collapsible Jerry Cans to Rural Health Units in the region.

DOST MIMAROPA

- a. Provided update to LGUs and uploaded updates on Facebook page thru DOST Provincial Science and Technology Center (PSTC).
- b. Monitored Automatic Rain Gauges and Water Level Monitoring Station in MIMAROPA as source of data thru "Project Noah" and "PREDICT" website.

DPWH MIMAROPA

- a. Alerted all maintenance crew of the District Disaster Risk Reduction and Management Teams to monitor condition of National Roads and Bridges and other infrastructures facilities.
- b. Prepositioned equipment for easier access as situation warrant.

CGD SOUTHERN TAGALOG (STL)

- a. Attended the Emergency Response Preparedness Meeting in RDRRMC Operations Center in Batangas City re TS "JOLINA".

- b. Advised all CG stations and substations to ensure strict implementation of Guidelines on the movement of vessels during heavy weather (HPCG Memo Circular 01-09) and in the absence of weather bulletin in the locality (HPCG Memo Circular 03-01).
- c. Placed Deployable Response Groups (DRGs) on standby status 24/7.
- d. Placed all assets on standby status ready for deployment on flood-prone and coastal areas.
- e. Coordinated with LGUs and other government agencies.
- f. Monitored situation in their respective AORs to ensure the operational status of HF and VHF radio communications in support to the province's operational concern in case of power black-out.

CGD PALAWAN

- a. Advised all CG station and substations to ensure strict implementation of Guidelines on the movement of vessels during heavy weather (HPCG Memo Circular 01-09) and in the absence of weather bulletin in the locality (HPCG Memo Circular 03-01).
- b. Prepared PCG boarding teams, SAR assets, and Deployable Response Group (CDRG) Teams and closely monitors maritime traffic and weather condition for prompt, sustained, and effective implementation of existing command policies, rules and regulations, and doctrines.
- c. Placed all assets on standby status ready for deployment on flood-prone and coastal areas.
- d. Placed Deployable Response Groups (DRGs) on standby status.

PRO MIMAROPA

- a. Ensured the availability of search and rescue assets and personnel.
- b. Alerted all Police Provincial Office down to its lower units for continuous monitoring of situation in respective AORs.
- c. Coordinated with PAGASA, PDRRMC, and other agencies.
- d. Directed all lower units to undertake precautionary measures and other disaster preparedness activities such as the following:
 - Strengthen resilience of emergency communications.
 - Ensure readiness of the SRR equipment and supplies to support operational requirements (e.g. rubber boat, utility rope, floating device, multi-tool items, 30L of GOL for generator, flashlights with extra battery, communications equipment, first aid kit, MRE, etc.)
 - Forward deployment and pre-positioning of Search and Rescue (SAR) assets.
 - Coordination with Local DRRMC.
 - Activation of Disaster Incident Management Task Groups (DIMTG) as the situation may require.

BFP MIMAROPA

- a. Coordinated with LGUs NGOs and other government agencies to support the operational activities.
- b. Coordinated with Police Forces, Barangay Officials, Tanods and Citizen Crime Watch to provide security to the evacuation centers.
- c. Alerted all BFP personnel for any disaster related response.
- d. Prepositioned all trucks and response asset for possible deployment.

6. RDRRMC V

OCD V

- a. Conducted PDRA meeting on 25 August 2017 at the Handyong Hall, OCD V Bldg, Camp Gen. Simeon Ola, Legazpi City.
- b. Raised alert status of OCD V Operations Center to RED effective 25 August 2017.
- c. Provided logistical support to the Detailed Duty Personnel in the Bicol RDRRM Operations Center.
- d. Placed radio communications and Satellite Phone are on standby.

PAGASA Region V Weather Station

- a. Presented the updates for TS JOLINA to the RDRRMC Bicol–PDRA Core Group.
- b. Provided weather updates/advisories including localized updates.

DSWD V

- a. Placed PAT and MAT members on standby and instructed to coordinate with P/M/DRRMOs for status reports and updates.

DOH V

- a. Declared Code White Alert as per memorandum Order No. 2017-0124 dated 25 August 2017.
- b. Activated 24/7 DOH5 Operations Center.
- c. Provided Weather updates to DOH RO V personnel thru paging system.
- d. Attended the PDRA Meeting on 25 August 2017 at Handyong Hall, OCD5 Bldg. Camp Gen. Simeon Ola, Legazpi City.
- e. Coordinated with Provincial DOH Offices as to the Status of their respective provinces.

DILG V

- a. Advised DILG Provincial Levels to provide LGUs with necessary updates and coordinated with local DRR Councils and Operation Centers.
- b. Attended the PDRA Meeting on 25 August 2017 at Handyong Hall, OCD5 Bldg. Camp Gen. Simeon Ola, Legazpi City.

DPWH V

- a. Required all District Engineers to submit the Activation Report and the Prepositioning of available assets within 24 hours.
- b. Attended the PDRA Meeting on 25 August 2017 at Handyong Hall, OCD5 Bldg. Camp Gen. Simeon Ola, Legazpi City.
- c. Monitored all national roads.

DEPED V

- a. Ensured that evacuation centers are ready.
- b. Attended the PDRA Meeting on 25 August 2017 at Handyong Hall, OCD5 Bldg. Camp Gen. Simeon Ola, Legazpi City.

9ID PA, AFP

- a. Alerted DRO teams and placed equipment on stand-by for possible deployment and conduct of HADR operations.
- b. Attended the PDRA Meeting on 25 August 2017 at Handyong Hall, OCD5 Bldg. Camp Gen. Simeon Ola, Legazpi City.

Naval Force Southern Luzon, AFP

- a. Alerted DRO teams and placed equipment on stand-by for possible deployment and conduct of HADR operations.
- b. Attended the PDRA Meeting on 25 August 2017 at Handyong Hall, OCD5 Bldg. Camp Gen. Simeon Ola, Legazpi City.

TOG5-PAF, AFP

- a. Placed two UH1D Choppers on standby at TOG5-PAF Headquarters for possible deployment and conduct of HADR operations.
- b. Alerted 2 DRO teams with equipment and mobility and placed on stand-by alert status for possible deployment and conduct of HADR operations.
- c. Attended the PDRA Meeting on 25 August 2017 at Handyong Hall, OCD5 Bldg. Camp Gen. Simeon Ola, Legazpi City.

PRO V

- a. Directed all Provincial Directors of Catanduanes, Camarines Sur and Camarines Norte to place respective disaster response teams on standby alert stationed in respective AORs for possible deployment.
- b. Advised all units to coordinate with their respective DRRMC's for possible deployment of disaster response teams.
- c. Attended the PDRA Meeting on 25 August 2017 at Handyong Hall, OCD5 Bldg. Camp Gen. Simeon Ola, Legazpi City.

BFP V

- a. All units in the AOR were put on Standby Alert Status in connection with the possible effects of TS "JOLINA".
- b. All units were further advised to coordinate with respective DRRMCs and refer to the BFP Operational Procedures Manual for guidance.
- c. Attended the PDRA Meeting on 25 August 2017 at Handyong Hall, OCD5 Bldg. Camp Gen. Simeon Ola, Legazpi City.

PDRRMCs Albay, Sorsogon, Camarines Norte, Masbate, Catanduanes, and Naga City

- a. Monitored the situation in respective AOR and disseminated weather advisories.

PDRRMC Camarines Sur

- a. Issued Memorandum to all LGUs re Suspension of Classes in All levels.
- b. Issued Memorandum to all LGUs re No Sailing Policy and No Island Hopping Policy due to TS "JOLINA".
- c. Monitored the situation in respective AOR and disseminated weather advisories.

7. RDRRMC Cordillera Administrative Region (CAR)**OCD CAR**

- a. Conducted PDRA Meeting for TS "JOLINA" at 25 August 2017, 09:00 AM.
- b. Alerted PDRRMOs regarding the threat of TS "JOLINA" through the issuance of Public advisory
- c. Disseminated weather advisories and alert status to all stakeholders thru all means of communication.
- d. Coordinated with Provincial, City, Municipal LGUs, and local DRRMCs.

- e. Coordinated with PAGASA Baguio Synoptic Station.
- f. Advised all LDRRMC Operations Centers and member agencies of the RDRRMs to take proactive measures.
- g. Coordinated with the management of tourist spots in the region to control the influx of tourists for the prevention of untoward incidents.
- h. Activated the Early Warning System (EWS) through SMS for massive information dissemination of weather updates and preparedness advisories.
- i. Disseminated public advisories and warning alerts thru text blasts, social media accounts and all available means of communication in partnership with PIA-CAR and local media outlets.
- j. Placed Thuraya Emergency Communications Kit and single side band radios on standby.
- k. Issued preparedness tips to prevent any possible eventualities due to the enhanced southwest monsoon and local thunderstorms.
- l. Issued RDRRMC Memorandum No. 16 dated 25 August 2017 regarding Upgrading the alert status of the Cordillera Administrative Region RDRRMC to Red Alert.
- m. Issued RDRRMC Memorandum No. 17 dated 25 August 2017 re Preparedness Measures for Tropical Storm JOLINA advising all local DRRM Councils to:
 - Conduct an Emergency Response Preparedness Meeting with core Group members of the provincial/Municipal/ City DRRM Councils
 - Utilize Early Warning Systems such as SMS, Social Media, Radio Stations, and text Blast systems to ensure widest dissemination of timely weather and safety advisories
 - Issue an advisory for public to refrain from doing outdoor activities such as caving, spelunking, surfing, mountaineering, and other similar activities and avoid going to landslide and flood-prone areas
 - Revisit respective Contingency plans for hydro-met hazards for possible activation and implementation

DSWD CAR

- a. Informed SWAD Teams on the alert status of the Cordillera RDRRMC.
- b. Coordinated with P/C/MSWDOs and P/C/MDRRM Offices in monitoring situation on the ground.
- c. Activated the Quick Response Team (QRT) in full alert and standby for possible response.
- d. Prepositioned 8,234 Family Food Packs (FFPs) available in La Trinidad Benguet Warehouse, 750 FFPs in Apayao, and 1,122 in the Province of Abra.
- e. Quick Action Response Team (QuART) coordinated and verified reports with SWAD Teams, P/M/CSWDOs, and P/M/CDRRMC Offices regarding the weather situation.

DILG CAR

- a. Attended the PDRA Meeting for TS “JOLINA” on 25 August 2017, 09:00 AM.
- b. Issued Memorandum re activation of the DILG CAR Operations Center for TS “JOLINA” and activation of disaster monitoring and report systems. Likewise, the Memorandum also reiterated the following:

- Suspension of Small Scale Mining Activities
- Close Monitoring of Tourist Spots
- Monitoring of landslide prone areas
- Conduct of pre-emptive evacuation in high-risk areas.

DPWH CAR

- Attended the PDRA Meeting for TS “JOLINA” on 25 August 2017, 09:00 AM.
- Activated disaster response teams in its AOR
- Prepositioned equipment and manpower.
- Advised contractors to make their equipment available, especially those near the affected areas.

DOT CAR

- Attended the PDRA Meeting for TS “JOLINA” on 25 August 2017, 09:00 AM.
- Issued travel advisory advising the public and travellers to reschedule all planned tourism activities in the Cordilleras.

DENR CAR

- Suspended all trekking activities in Mt. Pulag until further notice by the Protected Areas Superintendent of DENR-CAR
- Placed their manpower and equipment on standby for clearing operations of fallen trees along possible roads to be affected.

BFP CAR

- Attended the PDRA Meeting for TS “JOLINA” on 25 August 2017, 09:00 AM.
- Directed all their operating Units to undertake proactive steps in partnership and coordination with the P/C/MDRRMCs, PNP, AFP and other agencies.
- Directed all Fire Marshalls to ensure required actions contained in the DILG Oplan Listo – LGU Preparedness Manual checklist will be properly undertaken.

PIA CAR

- Coordinated with the Office of Civil Defense Cordillera (OCD-CAR) in gathering important details for information sharing to the public.
- Attended the PDRA Meeting for TS “JOLINA” on 25 August 2017, 09:00 AM.

PRO CAR

- Attended the PDRA Meeting for TS “JOLINA” on 25 August 2017, 09:00 AM.
- Placed the Regional Public Safety Battalion (RPSB) with basic research and rescue equipment on standby.

503rd Infantry Brigade, AFP

- Attended the PDRA Meeting for TS “JOLINA” on 25 August 2017, 09:00 AM.
- Prepositioned all assets on standby and alerted different municipalities.

PDRRMCs Abra, Apayao, Kalinga, Ifugao, and Mt. Province

- Coordinated with OCD-CAR, LGUs, and LDRRMCs and continuously monitored weather update, monitored incident and status of lifelines.

- b. Convened for PDRA Meeting for TS “JOLINA” on 25 August 2017, 01:00 PM.
- c. Raised status to Red Alert effective 25 August 2017, 01:00 PM.

PDRRMC Benguet

- a. Coordinated with the Office of Civil Defense – Cordillera (OCD-CAR), LGUs and LDRRMCs and continuous monitoring and sending of weather update, monitored incident and status of lifelines.
- b. Convened for PDRA Meeting for TS “JOLINA” at 01:00 PM, 25 August 2017.
- c. Raised status to Red Alert effective 01:00 PM, 25 August 2017.
- d. Suspended Small Scale Mining activities upon the recommendation of DILG-CAR and Cordillera RDRRMC.

CDRRMC Tabuk City (Kalinga)

- a. Activated LDRRM OPCEN on 24/7 basis and raised alert status of the LDRRM Operations Center to RED.
- b. Disseminated advisories and warning alerts to the public via text blast.
- c. Prepositioned relief goods and checked functionality of equipment.

8. METRO MANILA DRRM COUNCIL (NCR)

OCD NCR

- a. Raised alert status to BLUE effective 25 August 2017, 10:00 AM.
- b. Conducted PDRA Meeting re effects of Tropical Storm “JOLINA” at 10:30 AM at the Makati Conference Room, MMDA.
- c. Disseminated copies of presentations during NDRRMC PDRA Meeting provided to the LDRRMCs and MMDRRMC member agencies.

MMDA

- a. Ensured the operability of pumping stations.
- b. Coordinated with DPWH-NCR regarding concerns of LGUs’ waterways.

PAGASA NCR

- a. Disseminated weather forecasts and Severe Weather Bulletins.

DILG NCR

- a. Disseminated weather forecast in relation to Oplan Listo and advised to maintain close coordination with their LCEs, LDRRMOs, Chief of Police, Fire Marshals, and the people in respective AOR.
- b. Advised City Directors, MLGOO, Cluster Heads, and other agencies to monitor the flooded areas.

DSWD NCR

- a. Placed available stockpile and relief goods for augmentation support to LGUs:

PARTICULARS	QUANTITY
Relief Goods	39,396 food packs (6 kg. rice, 4 sardines, 4 corned beef, 7 pcs. Coffee)
Blankets	7,233 pieces
Mats	3,080 pieces
Bottle Water	31,281 pieces
Mosquito Net	4,483 pieces
NFA Rice	200 sacks
Standby Fund	₱ 3,021,659.00

- b. Alerted and activated the Disaster Response Team Leaders for the eventualities and to immediately prepare/inform respective team members.
- c. Informed/advised the Planning Unit's Focal Person to schedule staff in preparation for the consolidation of disaster reports to be forwarded to DROMIC.
- d. Ensured availability and accessibility of assets for the hauling of goods from warehouse to field office and LGUs.
- e. Utilized vehicles from the Center/Residential Care Facilities for loading and unloading of goods for distribution of food/non-food packs to LGUs and evacuation centers.
- f. Mobilized drivers to report for duty and individuals/volunteers for cash/food for work in repacking of family packs.
- g. Informed and alert the Administrative Division to prepare the staff in the provision of assistance as necessary at the warehouses.

DOH NCR

- a. Monitored Regional HEM Manager, Regional Surveillance Manager, and HEMS office thru its OPCEN of the weather situation thru social media and reports from LGUs.
- b. Disseminated NDRRMC Advisories on Weather Advisory to all LGUs through SMS, facsimile, and social media accounts.
- c. Advised DMOs of the field operations division to actively monitor situation of their respective LGUs.
- d. Ensured continuity of public health programs to evacuees.
- e. Advised all LGUs through their City Health Offices to be prepared and vigilant for the effects of TS "JOLINA" and encouraged to be active in disease prevention and control for any possible health risks.
- f. Prepositioned medicines and other medical supplies, particularly CAMPOLAs, Family, and First Aid Kits.
- g. Placed medical teams from different DOH Metro Manila Hospitals and Public Health Teams (WASH, Health, Nutrition, and Psychosocial) on standby for possible deployment.
- h. Coordinated with HEMB and OCD NCR.

DPWH NCR

- a. Conducted declogging of drainage laterals on identified flood-prone areas.
- b. Conducted potholes patching and road repair.
- c. Placed all district offices on alert and placed maintenance crew on standby for possible deployment.

CDRRMCs Manila, Parañaque, Pasay, Taguig, and San Juan

- a. Ensured pumping stations to be operational.
- b. Convened CDRRMC re preparedness actions for the possible effects of TS "JOLINA".

CDRRMC Marikina City

- a. Monitored water levels in Marikina River, any flooded streets within the city through the CCTV camera or reported by field operatives, rainfall at the Marikina watershed.
- b. Coordinated with the key agencies to monitor the effects of TS "JOLINA".
- c. Disseminated weather advisories through social media.

- d. Placed early warning systems on standby.
- e. Prepared logistics needed for camp management in case evacuation is necessary.
- f. Prepositioned 2 rescue boats under Sto. Niño bridge and all water rescue equipment were accounted for and was ready to be deployed if the need arises.

CDRRMC Navotas City

- a. Monitored weather condition through PAGASA website, disseminated, advisories related to flood, rainfall, safety, and evacuation, and coordinated with NGAs for possible rescue and relief assistance.
- b. Made identified fast moving items to be available for emergency repairs and diesel supply for the pumping stations.
- c. Established partnership with repair shops for the availability of mechanics to repair equipment as necessary.
- d. Monitor roads and local weather conditions.
- e. Conducted clearing operations of garbage and domestic wastes to prevent clogging of sewerage system and pumping stations all streets.
- f. Placed 2 teams from PNP Navotas on standby for possible assistance.

CDRRMC Quezon City

- a. Prepositioned water rescue resources in low-lying areas.
- b. Raised YELLOW Alert Status effective 24 August 2017, 6:00 PM.
- c. Informed flood-prone barangays of the alert status.

CDRRMC Valenzuela City

- a. Alerted high-risk areas for possible flooding and landslide.
- b. Prepositioned response and relief assets.
- c. Prepared all evacuation centers to cater evacuees.
- d. Placed rescue personnel on standby for possible deployment.
- e. Monitored Tullahan River and La Mesa Dam.
- f. Conducted information and warning dissemination to communities in high-risk areas for flooding.
- g. Prepared evacuation centers for possible evacuation.

CDRRMC Malabon

- a. Conducted PDRA Meeting on 25 August 2017, 9:00 AM and meeting for BDRRMCs at 2:00 PM of the same day.
 - b. Placed Emergency Response Team on standby for possible deployment.
 - c. Prepositioned all assets.
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**FINAL REPORT re Preparedness and Effects of
Tropical Storm "JOLINA" (I.N. PAKHAR)
24 - 26 August 2017
COST OF ASSISTANCE**

REGION / PROVINCE	DSWD (₱)	LGU (₱)	NGO (₱)	TOTAL (₱)
GRAND TOTAL	330,850.00	1,248,040.00	-	1,578,890.00
REGION I	-	5,300.00	-	5,300.00
La Union	-	5,300.00	-	5,300.00
<i>Aringay</i>	-	2,600.00	-	2,600.00
<i>City of San Fernando (Capital)</i>	-	2,700.00	-	2,700.00
REGION II	11,000.00	1,184,440.00	-	1,195,440.00
Isabela	11,000.00	791,350.00	-	802,350.00
<i>PSWDO</i>		787,500.00	-	787,500.00
<i>Roxas</i>	11,000.00	3,850.00	-	14,850.00
Nueva Vizcaya	-	363,090.00	-	363,090.00
<i>PSWDO</i>	-	263,340.00	-	263,340.00
<i>Bagabag</i>	-	42,500.00	-	42,500.00
<i>Dupax del Norte</i>	-	18,750.00	-	18,750.00
<i>Solano</i>	-	38,500.00	-	38,500.00
Quirino	-	30,000.00	-	30,000.00
<i>PSWDO</i>	-	30,000.00	-	30,000.00
REGION III	319,850.00	58,300.00	-	378,150.00
Aurora	319,850.00	58,300.00	-	378,150.00
<i>Casiguran</i>	-	16,800.00	-	16,800.00
<i>Dilasag</i>	298,250.00	10,000.00	-	308,250.00
<i>Dinalungan</i>	21,600.00	31,500.00	-	53,100.00

Source: DSWD DROMIC Terminal Report on Tropical Storm "JOLINA" as of 6 September 2017, 6PM