



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**

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

**NDRRMC UPDATE**

SitRep No. **32** re Mayon Volcano Eruption

for: *[Signature]*  
**USEC RICARDO B JALAD**  
 Executive Director, NDRRMC and  
 Administrator, OCD *[Signature]*

**DATE : 10 February 2018, 8:00 AM**

*Sources: DOST-PHIVOLCS, DSWD DROMIC, DILG, DOST-PAGASA, DENR, PCG, AFP, DOH, BFP, MIAA, CAAP, PAL, Cebu Pac, DEPED, DPWH, DA, ARB, RDRRMC/OCDRO V*

**I. SITUATION OVERVIEW**

**A. Chronological of Events and Eruption Notifications from 13 January to 09 February 2018 (TAB A)**

**B. Current Situation**

**10 February 2018**

Mayon's activity in the past 24 hours was characterized by near continuous lava fountaining, lava flow and degassing from the summit crater. Sixty-six (66) successive lava fountaining episodes since 08:08 AM last February 9, 2018 have been recorded by the seismic network. Discrete episodes lasted three (3) to forty-six (46) minutes and were accompanied by rumbling sounds audible beyond 10 kilometers of the summit crater. Incandescent lava fountains 200 meters tall generated steam-laden plumes that rose up to 800 meters from the summit before drifting northeast. Throughout the night, lava flows and consequent incandescent rockfalls were observed in the Mi-isi and Bonga-Buyuan channels. Effused volumes of incandescent lava flows have advanced to 3.3 kilometers, 4.5 kilometers and 900 meters down the Mi-isi, Bonga and Basud Gullies, respectively, from the summit crater. Pyroclastic density currents or PDCs have deposited to the 4.6, 4.5 and 4.2 kilometer reaches of the Mi-isi, Bonga and Basud Gullies, respectively.

A total of seventy-six (76) volcanic earthquakes, most of which corresponded to lava fountaining events were recorded by Mayon's seismic monitoring network. Sulfur dioxide gas emission was measured at an average of 336 tonnes/day on 09 February 2018. Electronic tilt and continuous GPS still record sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

Eruption notifications:

Date and Time	Estimated Height of Ash/steam Plume Cloud	Remarks
09 February 2018	984 ft (300 m)	As of 1411H 09 February 2018, ash plume observed, with rumbling sound, plume height 100-300 m,

Date and Time	Estimated Height of Ash/steam Plume Cloud	Remarks
		grayish, drifting North-Northeast. Continuous lava fountaining signal, with 2 discrete events ranging from 2-7 mins. duration.
	2461 ft (750 m)	As of 1458H 09 February 2018, PDC observed towards Basud 1000 m from the summit, with rumbling sound plume height 750m drifting NNE. Continuous lava fountaining signal, with 4 discrete events ranging from 3-15 mins. duration.
		Continuous lava fountaining signal, with 15 new events ranging from 4-11 mins. duration making a total of 19 discrete events.
		As of 1900H 09 February 2018, sporadic weak lava fountaining observed continuous lava fountaining signal, with rumbling sound, with 15 new events ranging from 3-28 mins. duration making a total of 34 discrete events.
		As of 2300H 09 February 2018, sporadic weak lava fountaining observed continuous lava fountaining signal, with rumbling sound, with 3 new events ranging from 3-28 mins. duration making a total of 35 discrete events.
		As of 2342H 09 February 2018, continuous lava fountaining signal,with rumbling sound, with 17 new events ranging from 3 min. to 41 mins. duration making at total of 52 discrete events.
		As of 0339H 10 February 2018, steam & ash emissions observed starting 0544H PST ranging from 200-800 meters in height, drifting Northwest-North Northwest; Continuous lava fountaining signal,with rumbling sound, with 6 new events ranging from 14 mins. to 1hr & 10 mins. duration making at total of 58 discrete events.

## II. EFFECTS

### A. Pre-Emptive Evacuation (TAB B)

1. A total of **16,380 families** were pre-emptively evacuated in Region V due to Mt. Mayon phreatic eruption.

Source: DILG SitRep No. 04 as of 24 January 2018

## B. Affected Population

- As of **6:00 PM, 09 February 2018**, a total of **23,032 families / 88,490 persons** were affected in **61 barangays** in the municipalities/cities of Bacacay, Camalig, Guinobatan, Ligao City, Daraga, Tabaco City, Malilipot, Santo Domingo (Libog), and Legazpi City in the Province of Albay (Region V).
- Currently, a total of **18,218 families or 69,411 persons** were served inside and outside evacuation centers (ECs):
  - Inside **51 ECs: 15,105 families / 56,535 persons**
  - Outside ECs: **3,113 families / 12,876 persons**

PROVINCE/CITY/ MUNICIPALITY	AFFECTED			NO. OF ECs	SERVED INSIDE EC		SERVED OUTSIDE EC		TOTAL SERVED (Inside + Outside)	
	BRGY	FAM	PERS		FAM	PERS	FAM	PERS	FAM	PERS
<b>GRAND TOTAL</b>	<b>61</b>	<b>23,032</b>	<b>88,490</b>	<b>51</b>	<b>15,105</b>	<b>56,535</b>	<b>3,113</b>	<b>12,876</b>	<b>18,218</b>	<b>69,411</b>
<b>ALBAY</b>										
Bacacay	1	139	506	1	139	506	-	-	139	506
Camalig	14	3,090	11,597	6	2,152	7,900	289	1,336	2,441	9,236
Daraga	6	3,415	13,911	5	1,385	5,665	1,260	4,901	2,645	10,566
Guinobatan	7	3,502	11,852	15	2,639	8,837	93	245	2,732	9,082
Legazpi City (Capital)	9	4,259	16,202	7	3,092	11,837	-	-	3,092	11,837
Ligao City	5	1,412	6,055	4	949	4,051	-	-	949	4,051
Malilipot	3	1,348	5,237	3	1,303	5,068	45	168	1,348	5,236
Santo Domingo (Libog)	7	3,928	15,437	3	1,515	5,008	1,426	6,226	2,941	11,234
Tabaco City	9	1,939	7,693	7	1,931	7,663	-	-	1,931	7,663

Source: DSWD Dromic Report No. 41 on the Mayon Phreatomagmatic Eruption as of 09 February 2018, 6PM

Note: Figures are based on actual head count; the constant change is due to movement of IDPs from evacuation centers to their relatives or friends' home as well as on going data validation.

## C. Livestock Evacuation

- A total of **1,350 livestock were evacuated** in Pooling Stations in the Province of Albay.

LIVESTOCK	QUANTITY
Cattle	706
Carabao	623
Horse	7
Goat/Sheep	14
<b>TOTAL</b>	<b>1,350</b>

Source: OCD V

## D. Suspension of Classes (TAB C)

- Classes were suspended in **28 cities/municipalities** in the Province of Albay (province-wide) and Camarines Sur (7).

## E. Status of Lifelines

### Roads and Bridges (TAB D)

- Roads in Albay were rendered impassable due to landslides and ashfall. Immediate clearing operations were conducted.
- As of 05 February 2018, there are no reported impassable roads.

### Status of Flights (TAB E)

- A total of **eleven (11) international flights** and **132 domestic flights** were cancelled due to the Volcanic Activity.
- All domestic and international flights have already resumed.**
- The Philippine Airlines resumed its normal operations to Legazpi, Albay beginning 31 January 2018.

Sources: MIAA, PAL, and Cebu Pacific

## E. Declaration of State of Calamity

1. On 16 January 2018, the Province of Albay, Region V was declared under the State of Calamity thru Resolution No. 00670-2018.

## F. Schools Affected

1. A total of **57 Schools, 91,278 Learners, and 2,797 DepEd Personnel** located within the 6-9 kilometer Permanent Danger Zone were affected.

Source: OCD V Situation Report #46 re Mt. Mayon Alert Level 4, 05 February 2018, 8:00 PM

## G. Damage to Agriculture

1. A total of **₱165,541,749.36** worth of damages to agriculture was incurred in the Province of Albay:

PROVINCE	CROPS	HVCC	TOTAL	
Albay	Rice	₱139,794,636.80	₱20,890,320.00	₱160,684,956.80
	Corn	₱4,378,792.56	-	₱4,378,792.56
	Abaca	₱478,000.00	-	₱478,000.00
<b>TOTAL</b>			<b>₱165,541,749.36</b>	

Sources: OCD RO V and DA

Note: The decrease is due to ongoing validation

2. A total of **10,443 farmers** were affected:

CITY / MUNICIPALITY	NO. OF AFFECTED FARMERS
WITHOUT BREAKDOWN	
Tabaco City	458
Bacacay	29
Malilipot	83
Sto. Domingo	239
Legazpi City	60
Daraga	1,144
Camalig	650
Guinabotan	2,624
Ligao City	1,482
Polangui	1,502
Oas	2,172
<b>TOTAL:</b>	<b>10,443</b>

Sources: DA and DAR

## III. ACTIONS TAKEN

### A. National Disaster Risk Reduction and Management Council (NDRRMC)

#### 1. NDRRM Operations Center (NDRRMOC)

- a. Activated the alert status to BLUE ALERT effective 8:00 AM, 15 January 2018.
- b. Coordinated with RDRRMC V re PHIVOLCS Eruption Notification Form for Mayon Volcano.
- c. Disseminated information/notification thru Short Messaging System.
- d. Prepared and disseminated the following Emergency Alert and Warning Messages (EAWMs) to provide information and warning to the public regarding Mayon Volcano's activity:

EAWM	Area
13 January 2018 re Mayon Volcano generated a steam driven explosion at 5:06 PM and produced 2.5 km high grayish ash plume that drifted towards the Southwest.	Region V

<b>EAWM</b>	<b>Area</b>
14 January 2018 re raising of alert from Alert Level 2 to Alert Level 3	Region V
22 January 2018 re raising of alert from Alert Level 3 to Alert Level 4	Region V
27 January 2018, 10:30 AM re Lahar Advisory	Region V
27 January 2018, 6:22 PM re Mayon Volcano Eruption Notification	Region V
28 January 2018, 5:36 AM re Mayon Volcano Eruption Notification	Region V
28 January 2018, 10:33 AM re Mayon Volcano Eruption Notification	Region V
28 January 2018, 3:28 PM re Mayon Volcano Eruption Notification	Region V
28 January 2018, 7:11 PM re Mayon Volcano Eruption Notification	Region V
29 January 2018, 8:16 PM re Mayon Volcano Eruption Notification	Province of Albay
29 January 2018, 10:45 PM re Mayon Volcano Eruption Notification	Province of Albay
30 January 2018, 11:51 AM re Mayon Volcano Eruption Notification	Province of Albay
30 January 2018, 5:11 PM re Mayon Volcano Eruption Notification	Province of Albay
31 January 2018, 8:13 PM re Mayon Volcano Eruption Notification	Province of Albay
31 January 2018, 9:52 AM re Mayon Volcano Eruption Notification	Province of Albay
31 January 2018, 11:56 AM re Mayon Volcano Eruption Notification	Province of Albay
31 January 2018, 6:01 PM re Mayon Volcano Eruption Notification	Province of Albay
31 January 2018, 9:27 PM re Mayon Volcano Eruption Notification	Province of Albay
01 February 2018, 8:51 AM re Mayon Volcano Eruption Notification	Province of Albay
01 February 2018, 9:11 PM re Mayon Volcano Eruption Notifications	Province of Albay
02 February 2018, 9:18 AM re Mayon Volcano Eruption Notification	Province of Albay
03 February 2018, 6:00 PM re Mayon Volcano Eruption Notification	Province of Albay
05 February 2018, 5:22 AM re Mayon Volcano Eruption Notification	Province of Albay
05 February 2018, 3:59 PM re Mayon Volcano Eruption Notification	Province of Albay
05 February 2018, 9:15 PM re Mayon Volcano Eruption Notification	Province of Albay
05 February 2018, 9:49 PM re Mayon Volcano Eruption Notification	Province of Albay
09 February 2018, 2:11 PM re Mayon Volcano Eruption Notification	Province of Albay

- e. Disseminated Volcano Observatory Notice for Aviation (VONA) regarding Lava Fountaining.
- f. Raised the alert status of NDRRMOC from Blue to Red effective 22 January 2018.
- g. Conducted Response Cluster Meetings on 22 and 23 January 2018, 6:00 PM.

## **2. Philippine Institute of Volcanology and Seismology (PHIVOLCS)**

- a. Provision of Mayon Volcano Eruption Notification.

- b. Continuous monitoring of the situation.
- c. Issued Volcano Observatory Notice for Aviation (VONA) regarding Lava Fountaining.

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

- a. DSWD-DReAMB raised alert status from Green to Red.
- b. Continuously coordinating with DSWD FO V for significant reports on the status of displacement and assistance and relief efforts.

### 4. Telecommunications Service Providers (ABS-CBN, GLOBE, and SMART)

- a. Disseminated Emergency Alert and Warning Messages to Region V.

### 5. Department of the Interior and Local Government (DILG)

- a. Continuously coordinating with DILG Regional Office V on the preparedness actions of LGUs affected by the Mayon Volcano phreatomagmatic eruption.
- b. Continuously updates the SILG on the preparedness actions of LGUs affected by the Mayon Volcano phreatomagmatic eruption and lava flow.
- c. Closely monitors the situation on the ground with regard to the raising the alert level 2 of Mayon Volcano into alert level 3.
- d. Close monitoring of the situation on the ground with regards to the increase of activity of Mayon Volcano and the raising of alert 3 (Relatively high unrest) into alert level 4 (Intense unrest).

### 6. Department of Environment and Natural Resources (DENR)

- a. Donated 100,000 N95 dusk masks to LGU Guinobatan, Albay.

### 7. Department of Health (DOH)

- a. Continuous monitoring and coordination with DOST-PHIVOLCS regarding the status of Mayon Volcano.
- b. Coordinated with DOH Region V for any untoward incident and response needed.
- c. Provided a total of **₱21,644,985.41** worth of logistical support to DOH RO V.
- d. A total of **7,247** consultations were reported from January 15 to February 9, 2018. Majority (**4,762 or 66%**) of the consultations were due to Acute Respiratory Infection (ARI) followed by fever (**954 or 13%**), hypertension (**614 or 8%**), diarrhea (**390 or 5%**), and wounds (**325 or 5%**).
- e. Conducted assessment and provided technical assistance to Regional Office V.
- f. Attended the Mayon Volcano Updates meeting at PNP Officers Lounge, Camp Simeon Ola, Legazpi City, Albay.
- g. **Delivered aquatabs to nine (9) affected LGUs.**

### 8. Philippine Coast Guard (PCG)

- a. Deployed two (2) M-35 Trucks with 12 personnel, 9 k9 personnel, and 2 k9 dogs with handlers; and two (2) ambulances with 5 personnel and 2 doctors to Coast Guard District Bicol for augmentation.
- b. Deployed three (3) M-35 Trucks to haul of relief goods to the affected municipalities in the province of Bicol.
- c. Coordinated with the PCGA District Auxiliary for the possible augmentation of their Deployable Response Group / Search and Rescue (DRG/SAR) Team for deployment.

## **9. Department of Public Works and Highways (DPWH)**

- a. Deployed and placed on standby the equipment from three District Engineering Offices (DEOs) of Albay, Camarines Norte, and Equipment Management Division (EMD):
  - One (1) unit of dump truck and one (1) unit of backhoe from Albay 1<sup>st</sup> DEO are on standby for possible deployment
  - One (1) unit of dump truck from Albay 2<sup>nd</sup> DEO is deployed to Camalig and Daraga Albay to assist in evacuation and relief operations. Additional dump trucks from volunteer private contractors help in distribution/delivery of relief goods
  - Two (2) units of L300, two (2) units of dump truck, 2 pick-up trucks and one (1) unit of road grader from Albay 3<sup>rd</sup> DEO are deployed in Ligao City to assist in evacuation and relief operations
  - One (1) unit of dump truck, one (1) unit of boom truck and twelve (12) maintenance crew from Camarines Norte DEO arrived at Albay 3<sup>rd</sup> DEO to augment their workforce
  - One (1) unit of mini dump truck, one (1) unit of stake truck and one (1) unit of bus from EMD RO-V are on standby for possible deployment.
- b. Continuously monitoring the situation.
- c. DEOs provided road signage along affected areas for precaution during heavy ashfall.

## **10. Civil Aviation Authority of the Philippines (CAAP)**

- a. Issues a Notice to Airmen (NOTAM) regarding airspace restrictions and warnings related to Mayon Volcano eruption.

## **11. Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)**

- a. Issues Special Weather Forecasts for Mayon Volcano.

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

### **1. RDRRMC V**

#### **Office of Civil Defense (OCD) V**

- a. Disseminated to all concerned the PHIVOLCS Bulletin raising the Alert Status of Mayon Volcano from Alert Level 2 to Alert Level 3.
- b. Attended the Updates Meeting of PHIVOLCS re Status of Mayon Volcano on 14 January 2017.
- c. OCD-RDRRMC Bicol on Red Alert Status for Mayon Volcano since 14 January 2018, 1:00 AM.
- d. Continuous coordination with DOST- PHIVOLCS re Status of Mayon Volcano.
- e. Sent through SMS the status of volcanic activity of Mayon Volcano to RDRRMC members and stakeholders.
- f. Coordinated with MDRRMO Camalig, Guinobatan and Daraga and sent to PDRRMO – Albay through SMS status of volcanic activity of Mayon Volcano.
- g. On close monitoring.
- h. Conducted RDRRMC Emergency Meeting re Updates for Mayon Volcano Operations 2018 at Tactical Operations Group – Philippine Air Force, Airport Site, Legazpi City.
- i. Continuous coordination with LDRRMOs and RDRRMC Member Agencies.
- j. Conducted Aerial Survey regarding the extent of lava flow with member agencies on 17 January 2018.

- k. Provided logistics to regional responders.
- l. Dispatched trucks from AFP, PNP, and DPWH for the evacuation of affected residents.
- m. Conducted briefing re Mayon Volcano Updates with Secretary of DENR, held at Handyong Hall, OCD V, Camp Ola, Legazpi City on 22 January 2018.
- n. Dispatched trucks from AFP, PNP, and DPWH for evacuation of residents within the 8-km EDZ.
- o. Conducted Mayon Volcano Updates meeting on 23 January 2018 at Camp Ola, Legazpi City.
- p. Conducted meeting re Construction of Toilets and Temporary Learning Spaces in Evacuation Centers.
- q. Activated a 24/7 coordination hub for Mayon Response 2018, located on 3rd floor, Trauma Building, BRTTH Compound, Legazpi City on 26 January 2018.
- r. Delivered thirty-five (35) rolls of Sakoline to Albay PEO to be used for the construction of temporary comfort rooms.

#### **DILG V**

- a. Attended the Emergency Meeting at TOG5 for Mayon updates.
- b. Reported/presented real-time situation to RDRRMC Bicol for coordination assistance and provision of needed intervention of particular agency.
- c. Ensure the LCEs of affected LGUs located within the 7-km PDZ are provided with necessary precautionary measures, particularly to undertake immediate evacuation.
- d. Mobilize field operating units to provide timely updates for any untoward and significant incidents.
- e. Advised the DILG field operating units to constantly coordinate with PDRRMCs/PDRRMOs.
- f. Maintained and intensified open-line coordination with preparedness and response agencies.
- g. Continuous sending of text blast regarding Mayon updates to concerned field operating units.
- h. Constituted DILG V Team for Response Cluster to the Incident Command Post Operations Center to assist in the validation of real-time reporting and sending of urgent directives to the affected LGUs.
- i. Released Public Service Announcement to all Punong Barangays thru Broadcast Media to ensure that all evacuees are safe and outside of the declared PDZ and advised to report to the Camp Manager in their respective AORs and to the AFP personnel manning the choke points within the vicinity of the danger zone.
- j. Issued advisory to all concerned LCEs on their responsibility to ensure that declared danger zones are free from returning evacuees.

#### **DSWD V**

- a. Has standby funds amounting to ₱5,662,702.15 and stockpiles of 13,352 family food packs (FFPs) and Non-Food items (NFIs) consist of 37,242 pcs. malong, 382 rolls laminated sacks, 7,327 dignity kits and 54,832 blankets ready for augmentation to LGUs.
- b. Provincial Action Team (PAT) and Municipal Action Team (MAT) members in the province of Albay are on standby and continuously coordinating with the P/C/MDRRMOs for status reports and updates. EMT of the Field Office is already activated and rendered its duty today.
- c. As of 18 January 2018, DWSD-FO QRT is still on red alert status. Emergency Telecom Equipment is on standby and is ready for deployment as the need arises.



- d. Quick Response Team is on Red Alert and additional teams established to augment in monitoring of affected population.
- e. Prepositioned 2 tents at Bicol Regional Training and Teaching Hospital (BRTTH) for possible influx of patients.
- f. Conducted monitoring, validation, and assessment of Evacuation Centers to ensure that the needs of IDPs are met and that the ECs are compliant to a zero sexual and gender-based violence in coordination with the C/MDRRMOs and C/MSWDOs together with the P/MATs.
- g. Monitored the relief distribution of DSWD family food packs at Salvacion Elementary School in Sto. Domingo, Albay.
- h. Conducted Response Cluster Meeting presided by the Regional Director.
- i. Prepositioned two (2) tents to BRTTH in case of influx of patients.
- j. Participated in the tactical session of PAT Albay for the deployment of DSWD Staff in the nine (9) Evacuation Centers of Guinobatan, Albay for monitoring of relief distribution, coordinating with LGU staff on matters concerning camp management to ensure IDP security and well-being, and provide feedback on camp situations to the Field Office.
- k. [Conducted psychosocial support for adults and children \(IDPs\) in Guinobatan Albay.](#)

#### **DOST – PHIVOLCS V**

- a. Hosted a meeting regarding the status of Mayon Volcano.
- b. Close monitoring of Mayon Volcano activities.
- c. Disseminate Mayon Volcano Bulletins and advisories to LGUs and other stakeholders.
- d. Close coordination with OCD5, PDRRMO Albay and LGUs of the province.
- e. As of 16 January 2018, a 7-km Extended Danger Zone is implemented.

#### **Bureau of Fire Protection (BFP) V**

- a. Issued memorandum dated 15 January 2018 to BFP Albay re Heightened Alert (Activation of OPLAN PAGHALASA).
- b. Ensured availability of fire/rescue/emergency medical personnel, assets and equipment for possible response operations.
- c. Coordinated with C/MDRRMCs for appropriate dispositions of actions.
- d. Rationed water to evacuation centers.
- e. Conducted fire safety inspection, flushing and declogging operations, food packs packing/distribution and distribution of flyers at evacuation site.

#### **Coast Guard District Bicol**

- a. On full alert
- b. Augmented K9 personnel and two (2) SAR dogs, and one (1) M35 truck with seven (7) personnel onboard and placed on standby for briefing and possible deployment.
- c. Placed asset and DRGs on standby for possible deployment.
- d. Advised stations/substations to place their DRGs on standby for possible augmentation.
- e. Provided assistance in the psychosocial relief operation of TAYO at Brgy. Dita, Elementary School, Legazpi City.
- f. Placed land mobility on standby for possible deployment.

#### **Department of Agriculture (DA) V**

- a. Provision of two (2) trucks for evacuation of livestock to the identified pooling sites, and to Albay Experiment Stations in Tabaco City and Albay Breeding Station in Camalig Albay.

- b. Continuous provisions of logistic support and other materials for evacuation with additional provisions for medicine and other biologics:
  - 70 bottle of 10 lm. Vit. ADE
  - 10 bottle of 10 m. Terramycin LA
  - 5 canister of Enrofloxacin
  - 5 liter of Iodine
  - 2 gallon of Vivaguard
- c. Preparation of four hundred seventy-five (475) bags of hybrid corn seeds and ten (10) bags of corn grits, for distribution at the affected areas.
- d. Procurement of brush cutters, laminated sacks, ropes and buffer stocking of drugs and biologics.
- e. Conducted update/on-site validation for the identified pooling sites of livestock and animal extending the coverage to 9-km Extended Danger Zone.
- f. Evacuated and transported a total of 167 animals within the 7-8 km EDZ to pooling/evacuation centers in the municipalities of Camalig and Daraga.
- g. Provided support to livestock raisers/farmers (10m rope per animal, 10 kgs feed concentrates per animal, waterer/feeder, etc.).
- h. Implementation of animal Healthcare intervention at the evacuation centers.
- i. Coordination with various banner programs for the three month contingency plan re Mayon Volcano Eruption in the affected areas.
- j. Conducted animal tagging and veterinary mission which include check-up, treatments, vitamin supplementations, and other healthcare activities.

#### **DA - Bureau of Fisheries and Aquatic Resources V**

- a. Conducted monitoring of water physio-chemical parameters to the 2 major aquaculture areas (Lake Buhi and Lake Bato)
- b. Distributed 200 kgs of tilapia as nutritional support to IDPs of Guinobatan on 01 February 2018.
- c. Alerted Quick Response Team for possible deployment and assistance to LGUs and evacuation centers.
- d. Continuously provide interventions and assistance including laminated sacks, hybrid seeds, fertilizers, 4WD farm tractor, conventional Hybrid Yellow Corn, animal food supplements, mallard ducks, knapsack sprayer, organic fertilizers, seedling trays, garden tools, power sprayer, pump and engine set, solar pumps and tilapia fingerlings

#### **Department of Education (DepEd) V**

- a. Inspection of schools/classrooms to be used as evacuation centers.
- b. Alerted all concerned schools and the School DRRM Coordinators to prepare the classrooms that will be used as ECs.
- c. Organized Monitoring Team of DepEd Engineers to validate the need for Temporary Learning Spaces (TLS) in the identified Evacuation Centers.
- d. Prepared Contingency Plans (Emergency classes; shifting of classes) to all schools used as ECs to ensure continuity of classes for the affected displaced learners and those who are actually enrolled in the school that is being used as ECs.
- e. Consolidated list of concerns in the ECs such as needs to construct temporary comfort rooms, repair of TLS for the learners, assignment of security officers and financial assistance for the electricity and water bills.
- f. Conducted a Planning Conference with the Division DRRM Coordinators for upcoming activities such as the Psychological First Aid for the displaced learners and affected personnel.
- g. Monitored the construction of Temporary Learning Spaces (TLS) of the 23 recipient schools of the Batch 1 and 2 TLS.

### **Department of Environment and Natural Resources (DENR) V**

- a. Donated 276 sacks of wood charcoal, firewood, and coco lumber to the Provincial Government of Albay for distribution to the evacuees at different evacuation centers.
- b. Activated and implemented the scenario-based multi-hazard contingency plan and emergency management manual and creation of Quick Response Team.
- c. Provided service vehicle to LGU Sto. Domingo, Albay to transport evacuees to the designated evacuation centers and in carrying light materials for the construction of temporary shelters on 16 January 2018.
- d. Continuously monitoring air and water quality of EMB V.
- e. Conducted intensive information, education and communication campaigns through Social Media and DENR Radio Programs.

### **DENR – Environmental Management Bureau (DENR-EMB) V**

- a. Deployed ambient air quality sampling at areas affected by Mayon Volcano.

### **Department of Health (DOH) V**

- a. Declaration of Code White Alert Status in relation to Mayon Volcano Phreatic Explosion.
- b. Raised alert status from Code White to Code Blue.
- c. Deployment of two (2) Rapid Health Assessment Teams in Camalig, Guinobatan and Ligao City.
- d. Logistics provided – LGU Guinobatan and LGU Camalig: ₱19,800 worth of mask (1,500 pcs.) each and ₱10,076.40 worth of assorted medicines each.
- e. Additional logistics provided – LGU Guinobatan and Camalig: ₱58,000.00 each worth of medicines and supplies.
- f. Conducted Orientation on Psychological First Aid for DOH-CHD V Monitoring Teams to be deployed and the use of monitoring tools and inventory of logistics.
- g. Conducted Rapid Health Assessment on affected municipalities by Joint PDO-PHO Teams.
- h. Deployed six (6) DOH-CHD V monitoring team on 16 January 2018 to the affected municipalities.
- i. Activated Oplan Mayon.
- j. Delegated contingency buildings as extension wards in case of patient surge.
- k. Prepositioned personal protective equipment (PPE) related to volcanic eruption.
- l. Activated the Hospital Alliance Network with private hospitals.
- m. Monitored breakout of diseases in evacuation centers.
- n. Disseminated referral forms for IDPs requiring medical intervention.
- o. Conducted emergency ManCom meeting to discuss plans for Alert Level 4 of Mayon Volcano.
- p. Coordinated with Bicol Medical Center and Bicol Sanitarium re Deployment at the evacuation centers.
- q. Distributed hygiene kits and water containers in the Municipality of Guinobatan and in Legazpi City.
- r. Assessed Lower Binogasan School as well as Gogon Elementary School and provided Jerry cans and hygiene kits to the evacuees.
- s. Conducted Mental Health and Psychosocial Support (MHPSS) sessions e.g. Art Therapy in evacuation centers.
- t. Augmented 100 hygiene kits and 100 water containers each for Malilipot and Sto. Domingo.
- u. Launched the Public Health Associate (PHA) Health Check-up in collaboration with PHO-Albay, CHO-Albay, Philippine Army, BRTH, and partners.

- v. Visited IDPs at Bariw, Camalig and Binatagan – Agencia Española de Cooperación Internacional Para el Desarrollo (AECID), Ligao City ECs and provided 100 hygiene kits and 100 water containers.
- w. Deployed one (1) medical team in Sto. Domingo, Albay.
- x. Convened the health workers of government and NGOs for the MHPSS Crash Course.
- y. Provided 23 portalets in the municipalities of Guinobatan (10) and Camalig (13).
- z. Conducted meeting with the medical societies in Bicol, Provincial Health Office, hospital associations and partners relative to the harmonization of health interventions and to discuss guidelines on “Adopt an Evacuation Center”.
- aa. Conducted Health and WASH Assessment at Sitio Bical EC in Sto. Domingo, Albay.
- bb. Distributed hygiene kits for pregnant women.
- cc. Provided toilet bowls to DPWH Regional Office V and Provincial Engineering Office of Salugan, Camalig, Albay for the construction of toilet facilities.
- dd. Distributed 18,324 insecticide treated mosquito nets to the affected LGUs.
- ee. Launched Tamang Serbisyo sa Kalusugan ng Pamilya (TseKap) in Gogon Elementary School, Legazpi City.
- ff. Continuous distribution of drinking water through WATSAN Filtration machine in Ligao, Guinobatan, Camalig, and Daraga ECs.
- gg. Conducted Nutritional Assessment to children and pregnant women.
- hh. Provided Mid-Upper Arm Circumference (MUAC) tapes for children and adults and an orientation was conducted to the volunteer workers and NDPs on how to use MUAC for nutrition assessment.
- ii. Augmented the number of Long Lasting Insecticide-Treated Nets to Rural Health Units (RHU) in Tabaco City, Bacacay, Sto. Domingo, and Malilipot.
- jj. Distributed water purifications tablets to Sto. Domingo RHU.
- kk. Deployed a medical team from Veterans Regional Hospital to Camalig evacuation center.
- ll. Conducted house to house health advocacy on proper hygiene and safe drinking water practices at San Andres Resettlement, Sto. Domingo, Albay and provided water containers to evacuees.
- mm. A total of 380 toilets were constructed in different evacuation centers in the affected municipalities of Albay Province. [Of which, 338 were constructed by the DPWH and 42 by the LGUs](#)
- nn. Conducted house to house health advocacy on proper hygiene and safe drinking water practices at San Andres resettlement, Sto. Domingo, Albay and provided water containers to the evacuees.
- oo. [Conducted orientation for second batch of Human Resources for Health Provincial DOH Albay \(HRH-PDO\) on Minimum Initial Services Package \(MISP\) on Sexual Reproductive Health, Enhanced Disease Surveillance through SPEED, Camp Management and Flow of Reporting.](#)
- pp. [Americares Philippines \(DOH partner\) provided 990 mask for individuals, 492 hygiene kits for the families, and 244 individual received MHPSS services in Camalig, Albay](#)

**Bicol Regional Training and Teaching Hospital (BRTTH)**

- a. On Code White Alert effective 14 January 2018.
- b. Activated and placed Emergency Department on standby.
- c. Prepositioned appropriate logistical needs.
- d. Conducted safety rounds to hospital areas.

- e. Established Fast Lane at Emergency Department and Outpatient Department for Mayon Patients.
- f. Established protocols on psychosocial, respiratory, and burn cases related to Mayon Volcano Eruption.
- g. Provided assistance in the establishment of RDRRMC-Incident Command Post.
- h. Distributed masks for personnel and prepositioned personal protective equipment related to volcano eruption.
- i. [Provision of water supply from Water Sanitation Division \(WATSAN\).](#)

**Department of Trade and Industry (DTI) V**

- a. Issued advisory to all wet markets, supermarkets, groceries, bakeries, and water refilling stations to strictly comply with the provisions of the Price Act and Price Ceiling.
- b. Mobilized Monitoring Teams including Market Administrators in the different municipalities to check on the prices and supply of basic necessities and coordinated with the local broadcast and television networks to further disseminate relevant information on the effectivity of Automatic Price Control.
- c. Intensified monitoring of basic commodities including locally made bread such as *pandesal*, slice bread, *pancit canton*, and face mask. As a result, no price movement was noted and supply is available.
- d. Provided alternative sources of income to Mayon evacuees through techno-transfer and training in coordination with the Local Government Units.
- e. Issued DTI-Albay Memo Circular No. 1 s. 2018 re Price Act compliance.
- f. Conducted price and supply monitoring of basic necessities and prime commodities.
- g. Disseminated price freeze of basic necessities through radio and tv.
- h. Coordinated with the LGUs of Camalig and Guinobatan to assist DTI in the monitoring of basic necessities and prime commodities.
- i. [Facilitated Skills Training on Bags and Basket Making for Mayon evacuees of Tabaco City.](#)

**Department of Labor and Employment (DOLE) V**

- a. Provided Emergency Employment Assistance under the *Tulong Pang Hanapbuhay sa Ating Displaced Workers* (TUPAD) for 10,000 evacuee-beneficiaries starting 30 January 2018.

**Philippine National Police- Police Regional Office (PNP-PRO) 5**

- a. Standby for deployment of SAR Personnel with equipment, Security Personnel and mobility from Regional Mobile Force Battalion, Regional Headquarters Support Group and Regional Logistics Division.
- b. In close coordination with MDRRMCS and with standby personnel for deployment.
- c. Conduct monitoring and inspection of the affected barangays under the 6km PDZ
- d. Provides security at the Evacuation center.
- e. Assisted in the evacuation of affected population in the municipality of Camalig, and Guinobatan.
- f. Issued Memorandum to Albay PNP Provincial Director directing all units under their jurisdiction to stand by alert SAR personnel and equipment for possible deployment as need arises and monitor situation. Likewise, direct police station within the 6-km PDZ to closely coordinate with their respective MDRRMC.

- g. Issued Memorandum to Regional Logistics, Headquarters Support Group and Regional Mobile Force Battalion to put on standby alert SAR personnel equipment and vehicle for possible deployment as need arises.
- h. Assisted in the relief operations of LGUs Albay.

**Department of Public Works and Highways (DPWH) V**

- a. Instructed Albay 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> District Engineers to monitor the ongoing eruption of Mayon Volcano and activated DRRMTs to clear ashfall/rocks that may block National Roads and Bridges.
- b. Continuously monitoring river channels near the foot of Mayon Volcano within their AOR for possible Lahar Flows that will affect the National Roads and Bridges.
- c. Provided assistance in the evacuation operation at Brgy. Amtic, Ligao City.
- d. Cleared debris coming from the slopes of Mayon during heavy rains.
- e. Albay 2<sup>nd</sup> ND 3<sup>RD</sup> DEO – DRRM Team on standby.
- f. Equipment Management Division – DRRM team on standby.
- g. Albay 3<sup>rd</sup> DEO donated a total of 20 sacks of rice and 200 containers of mineral water to the LGUs of Ligao City and Guinobatan, Albay.
- h. Albay 2<sup>nd</sup> DEO assisted in transfer of evacuees to ECs and in providing relief operations.

**Department of Tourism (DOT) V**

- a. Issued travel advisory for Mayon Volcano Alert Level 4.

**9<sup>th</sup> ID, Philippine Army**

- a. Placed four (4) military trucks on standby for possible evacuation.
- b. Conducted information campaign in the neighboring barangays in the 6-km PDZ.
- c. Prepositioned one (1) KM250 and one (1) KM450 with DRO personnel of 83<sup>rd</sup> IB for possible deployment and for the conduct of pre-emptive evacuation to residents in the 6-8 km.
- d. Dispatched one (1) KM250 and one (1) KM450 with DRO personnel to APSEMO for possible deployment and for the conduct of pre-emptive evacuation to residents in the 6-8 km.
- e. Three (3) KM 450, one (1) KM 250, two (2) M35, and three (3) squads, one DRO Team on standby for deployment.
- f. DRUs/Assets were deployed for possible conduct of HADR operations.
- g. Evacuated 30 families with 153 individuals from Brgys. Matnog and Budiao, Daraga, Albay to Buraguis Elementary School Evacuation Center, Legaspi City.
- h. Continuously coordinates with the Task Force Sagip for the deployment of DRTs in evacuating the residents.
- i. Conducted preventive evacuation at Brgy. Padang, Leagazpi City and assisted in evacuation of residents of Brgy. Budiao and Brgy. Bañadero, Daraga, Albay and Mabinit, Legazpi City.
- j. Assisted the LGU Guinobatan in the packaging of relief goods.
- k. Transported relief goods to Camalig and Daraga, Albay and Buragwis, Legazpi City.
- l. Coordinated with OCD Region V and Albay PDRRMO for the updates regarding the event and possible response operations.
- m. Provided assistance in distributing relief goods in Brgy. Mauraro, Guinobatan, and Brgy. Caguiba, Camalig, Albay.
- n. Evacuated a total of 850 persons from Brgy. Bigaa, Legazpi City.

- o. Continuously conducting evacuation to Brgy. Puro and Brgy. Bigaa, Legazpi City.
- p. Continuously providing Security Forces, Disaster Rescue Team and Mobility.
- q. Transported and assisted the Team Albay Youth Organization (TAYO) in the conduct of psychological relief operations and feeding program in Albay Central School, Bagong Bayan Elementary School, and Cabangan Elementary School of Legazpi City.
- r. Conducted aerial survey/inspection over Mayon Volcano together with DOST-PHIVOLCS and RDRRMC V on 30 January 2018, 9:58 AM.
- s. Provided transportation assistance to LGU Legazpi for the hauling and distribution of 1,000 sacks of relief goods to the affected families of Mayon Volcano in Legazpi City ECs.
- t. Distributed face masks and assorted relief goods to different evacuation centers in Albay and Legazpi City on 30 January 2018.
- u. Provided transportation and manpower assistance for the distribution of 425 sacks of rice to the following ECs:
  - Gogon Elementary School (173 sacks)
  - Bagumbayan Elementary School (67 sacks)
  - Bitano Elementary School (79 sacks)
  - Buragwis elementary School (14 sacks)
  - Cabagan Elementary School (30 sacks)
  - Lamba Elementary School (15 sacks)
  - Albay Central School (32 sacks)
  - EMs Barrio Elementary School (15 sacks)
- v. Provided transportation assistance to DSWD in hauling of 103 sacks of rice and 200 boxes of relief of goods intended to the evacuees at Gogon Elem School, Bagumbayan Elem School, and Puro Elementary School in Legaspi City.
- w. In close coordination with OCD Regional Office V, Albay PDRRMC and MDRRMOs re status and updates of Mayon and for possible response operation.
- x. Provided manpower assistance in the construction of Temporary Learning Shelters (TLS) at Brgy. Lower Binogsacan, Guinobatan, Albay TLS.
- y. Construction of Temporary Learning Shelters (TLS) in Don Juan Garcia Elementary School, Brgy. Quitago, Guinobatan, Albay.
- z. Provided manpower assistance on repacking of relief goods, plastic mat and blankets at Camalig gymnasium, Brgy. 3, Camalig, Albay.
- aa. Provided transportation and manpower assistance for the transport of 1,900 boxes of relief goods to be delivered to the different evacuation centers in Camalig, Albay.

#### **Naval Forces Southern Luzon, PN**

- a. Evacuated 105 individuals from Brgys. Lidong and San Fernando to San Andres Elementary school and Resettlement area, all in Sto. Domingo, Albay.
- b. Conducted mustering of DRRT for possible deployment.
- c. Evacuated 105 individuals from Brgys. Lidong and San Fernando to San Andres Elementary School.
- d. Transported relief goods from Casablanca Hotel to Brgy. Gabawan Elementary School, Daraga spearheaded by Albay Youth Organization (TAYO).

### **Tactical Operations Group (TOG) 5, Philippine Air Force**

- a. Facilitated availability of aircraft to be used for aerial survey of Mayon Volcano
- b. Placed DRU Team on standby with equipment and mobility to provide assistance for evacuation.
- c. Transported a total of 174 persons from Brgy. Buyuan, Mabinit, and Matanag to various evacuation sites.
- d. Facilitated the conduct of aerial survey of Mayon Volcano together with OCD V, PHIVOLCS, DSWD, 9ID PA, and APSEMO.
- e. Evacuated 8 families with 32 individuals from Brgy. Matanag, Legaspi City to Albay Central School.
- f. Evacuated a total of 33 families / 134 persons in Brgy. Muladbuca, Pequiño, Guinobatan to Municipal Hall of Guinobatan on 23 January 2018.
- g. Continuous provision of Security Forces, Disaster Rescue Teams (DRTs), and mobility to the evacuees.
- h. Evacuated a total of seven (7) families from Brgy. Padang to Puro Elementary School.
- i. Placed two (2) Humanitarian Assistance Disaster Response (HADR) teams on standby composed of six (6) TOG 5, four (4) 505<sup>th</sup>, and four (4) Special Operations Wing (SPOW) persons on board M35 and KM450 Troop Carrier Truck.
- j. Deployed two (2) NCO to act as Liaison Officers at Legazpi CDRRMO and Task Force SAGIP, Camp Ola, Legazpi City respectively.
- k. In constant coordination with Task Force SAGIP for the deployment of DRTs for the evacuation of residents.
- l. Constant and real-time weather monitoring.
- m. Donated 22 pieces empty drums to be utilized as water containers in different evacuation centers in Albay Province.
- n. Provided transportation assistance regarding decamp of evacuees from EM's Barrio evacuation centers to Sitio Tinago, Brgy Bigaa, Legazpi City.
- o. Facilitated and provided manpower during unloading of seven hundred forty eight (748) boxes of non-food items (family pack) intended for the affected families of Mayon Eruption. Said relief items were stored at TOG 5 Hangar Building and Disaster Coordinating Center (DCC) Building, Legazpi City.
- p. Currently conducting Rapid Damage Assessment Needs Analysis.

### **2CRG Civil Relations Group AFP**

- a. Conducted live reporting (7 AM) at DWDD re Mayon Update.
- b. Disseminated update re Mayon Volcano to AFP units in Area of Responsibility (AOR) and to HCRS through email and text brigade.
- c. Continuous monitoring of the Mayon situation in coordination with AFP units and APSEMO.
- d. Coordination with APSEMO regarding photos of Mayon activities to be used in the ISA product of 2CRG.

### **5FSSU AFP**

- a. Provided transportation assistance to DSWD in hauling of 103 sacks of rice and 200 boxes of relief goods intended to the evacuees at Gogon Elementary School, Bagumbayan Elementary School and Puro, Legazpi City.

### **National Food Authority (NFA)**

- a. Has sufficient stock of rice and arrangements with nearby regions for augmentation of stocks.



## **PDRRMC Albay**

- a. Close coordination with PDRRMC Chairman and members for the updates regarding the event and possible response actions.
- b. Coordination with PHIVOLCS from time to time as to the status of Mayon Volcano.
- c. Sent an updates for public information via SMS and through social media to all stakeholders.
- d. Suspension of classes for Kinder to Senior High school in 15 January 2018 in schools used as evacuation centers:
  - Evacuation of residents inside and within the periphery of the 6-km PDZ:
    - Ø Camalig – Brgys. Anoling, Quirangay, Tumpa, Sua, Tinubran
    - Ø Guinobatan – Brgys. Tandarora and Maninila
    - Ø Daraga – Brgys. Miisi, Banadero, Matnog and Budiao
    - Ø Ligao City – Brgys. Baligang and Amti
    - Ø Tabaco City – Brgys. Magapo Buang and Buhian
    - Ø Malilipot – Brgys. Canaway and Calbayog
- e. Strictly no farming and orchid picking inside the 6-km PDZ in Barangays Anoling, Quirangay, Tumpa, Sua, Tinubran in Camalig; Tandarora, Maninila in Guinobatan; Miisi, Banadero, Matnog and Budiao in Daraga; Baligang and Amti in Ligao City; Magapo Buang and Buhian in Tabaco City; and Canaway and Calbayog in Malilipot.
- f. Residents within the slope of the volcano experiencing heavy ash fall should take precautionary measure against possible roof collapse due to accumulated heavy ash and rain.
- g. C/MDRRMCs are advised to implement this advisory in their areas of jurisdiction.
- h. Coordinated with the affected MDRRMOs of ash fall to conduct immediate assessment in their AOR.
- i. Close coordination with PDRRMC Chairman and members for the updates regarding the event and possible response actions.
- j. In coordination with PHIVOLCS re the status of Mayon Volcano.
- k. Sent and updates for public information via SMS through social media to all stakeholders.

## **Provincial Health Office (PHO) Albay**

- a. Water and Sanitation (WATSAN) team distributed drinking water to evacuation centers.
- b. Replenished medicines and other logistics to different evacuation centers.

## **MDRRMCs Camalig, Guinobatan, and Daraga**

- a. Field assessment of affected areas of the Mayon Volcano Activity.
- b. Distributed face masks to the affected population of the activity.
- c. Implement evacuation operations of population in the 6-8km PDZ.
- d. MDRRMO Malilipot implemented evacuation operations of population at risk in Barangays Calbayog and Canaway.
- e. Ordered the cancellation of classes in the municipality.
- f. Conducted meeting with Punong Barangays (PBs) and validation of evacuated population.
- g. Continuously inspecting affected barangays to ensure that all families are evacuated.
- h. Conducted force evacuation of barangays within the 6-km PDZ of Mayon Volcano.

### **MDRRMC Sto. Domingo**

- a. Placed the Mayon Unit Barangays (Lidong, Fidel, Surtida, Sta. Mesiricordia, and San Fernando) on alert and on standby.
- b. Strictly prohibited farming, orchid picking, and other activities inside the 6-km PDZ traversing the Mayon Unit Barangays.
- c. Advised affected BDRRMCs to implement the advisory in their AORs.
- d. Conducted meeting with LDRRMC and DepEd Principal.
- e. The Local Chief Executive (LCE) announces suspension of classes, preparation and evacuation on marginalized sector within 6-km PDZ.
- f. Distributed laminated sacks as tent materials to schools and barangays.
- g. Installed basic lifelines and toilets.
- h. **Conducted Rapid Needs Assessment and installed Communication System at ECs.**

### **CDRRMC Legazpi City**

- a. Notified five (5) critical northern Barangays of the City (Mabinit, Bonga, Matanag, Buyuan, and Padang) of the situation thru call and SMS.
- b. Instructed BDRRMCs and Punong Barangays to strictly enforce the PDRRMC Albay Advisory No. 1 and monitor any updates.
- c. Placed City Health Office and CSWDO on standby.
- d. Alerted Disaster Response partners.
- e. Continuously disseminating advisories on social media official account.
- f. Conducted emergency meeting with Brgys. Mabinit, Bonga, Matandag, Buyuan, and Padang.
- g. Instructed BDRRMCs and Punong Barangays to strictly enforce the No Entry, No Farming and No. Picking of Orchids within the 6-km PDZ and within the 7-km Extended Danger Zone.
- h. Placed Legazpi City Fire Station on standby.
- i. Coordinated with Legazpi School Division Office to prepare the evacuation site and centers.
- j. Conducted decampment of evacuees from Brgys. Bonga, Buyuan, Mabinit, Matandag, and Padang.
- k. Conducted forced evacuation of residents at the 8-km PDZ.

### **CDRRMC Tabaco City**

- a. Strictly implemented closure of the road going to Mayon Planetarium until further notice.
- b. Advised affected BDRRMCs to implement advisory in their AOR.
- c. Convened CDRRMC to discuss proactive measures related to Mayon Volcano Activity.
- d. Activated the MDRRMC Operations Center on 13 January 2018 for monitoring, warning, and communication purposes.
- e. Issued MDRRMC Advisory No. 2 s. 2018 on 13 January 2018, placing Mayon Unit Barangays on preparedness status and activating all BDRRMCs.
- f. Issued MDRRMC Advisory No. 3 s. 2018 on 14 January 2018, suspending classes on all levels at Mayon Unit Barangays and schools to be used as evacuation centers.
- g. MDRRMC Chairman issued Executive Order no. 3 s. 2018 on 14 January 2018, reorganizing the MDRRMC Response Cluster approach due to the abnormal activity of Mayon.
- h. Approved the utilization of unspent DRRM Fund.

- i. Conducted forced evacuation of barangays within the 6-km PDZ of Mayon Volcano.
- j. Conducted Rapid Needs Assessment at evacuation centers.

#### **PDRRMC Catanduanes**

- a. Deployed a water, sanitation, and hygiene (WASH) team to aid the health and water sanitation of displaced families in Albay.

#### **PDRRMC Camarines Sur**

- a. Convened to discuss the possible effects of Mayon Volcano's eruption.
- b. Created an inter-agency group from MDRRMCs Libmanan, Pasacao, Milaor and Tinambac; BFP Camarines Sur, PNP, and the Provincial Government (Environment Disaster Management Response Office, Provincial Health Office, Provincial Social Welfare and Development Office, Multimedia Education Center, and the Provincial Cultural Office). Seventy (70) multi-disciplinary personnel have been selected to address matters concerning Medical, Water Sanitation, Solid Waste Management, Fire Safety, Psychosocial Activities, Emergency Medical Services, and Relief.

#### **CDRRMC Iriga City**

- a. Activated the DepEd Division office and school-based DRR coordinators.
- b. Health office has 24/7 response team to help in the prevention of illness related to ashfalls.

#### **PDRRMC Sorsogon**

- a. Deployed PDRRMO Sorsogon WatSan team to Anislag Evacuation Center, Brgy. Anislag, Daraga, Albay for purified water assistance with the partner team Camarines Norte Prime Water.

#### **Philippine Red Cross – Albay Chapter**

- a. Deployed WASH assessment teams in all evacuation centers.
- b. Provided toilet bowls, tarpaulins, and dust masks to LGU Guinobatan.
- c. Provided 2,000 pieces of masks to LGU Camalig.
- d. Provided portalets in Lower Binogsacan, Guinobatan West, Gabawan ES, Sitio Sohotton, San Andres and Bical NHS
- e. Provided relief assistance, psychosocial support, and hot meals to the evacuees.

### **C. Cost of Assistance (TAB F)**

1. A total of **₱290,249,619.75** worth of assistance was provided by DSWD, DOH, OCD, DepEd, DOLE, DENR, PRC, LGUs, NGOs, Office of the President (OP), and PCSO to the affected families in the Province of Albay.

*Note: Changes in figures is due to the validation conducted by DSWD Field Office V / OCD V*

*Sources: DSWD Dromic Report No. 40 on the Mayon Phreatomagmatic Eruption as of 08 February 2018, 9PM; DOH HEARS PLUS Report as of 04 February 2018; and OCD RO V SitRep No. 50 as of 09 February 2018, 8:00 PM*

**Mayon Volcano Phreatic Eruption**  
**Chronological of Events and Eruption Notifications**  
**13 January to 09 February 2018**

**13 January 2018**

Mayon Volcano generated a steam driven explosion at 5:06 PM and produced 2.5 km high grayish ash plume that drifted towards the Southwest.

Traces of ash fall were found in the Municipalities of Camalig, Guinobatan, Daraga and Ligao City.

At 8:49 AM, Mayon Volcano had a phreatic eruption. Ash fall was expected at the west and southwest slopes.

**14 January 2018**

As of 12:30 AM, PHIVOLCS raised the Alert Level of Mayon Volcano from Alert Level 1 (abnormal) to Alert Level 2 (increasing unrest).

At 11:43 AM, another phreatic eruption occurred that lasted approximately 15 minutes based on seismic record. The event produced ash plume that was largely obscured by summit clouds. Sulfuric odor was detected in and traces of ash fell on Camalig, Albay. For the past 24 hours, Mayon Volcano has noticeably increased its unrest.

DOST-PHIVOLCS raised the alert status of Mayon Volcano from Alert Level 2 (increasing unrest) to Alert Level 3 (increased tendency towards hazardous eruption). This means Mayon is exhibiting relatively high unrest and that magma is at the crater and that hazardous eruption is possible within weeks or even days.

Other LGUs with barangays within the 6-km Permanent Danger Zone (PDZ) converted their respective MDRRMCs to discuss proactive actions to be undertaken by their LGU in case situation escalates. Barangays within the 6-km PDZ were alerted and advised to prepare in case of evacuation.

**15 January 2018**

Two lava collapse events occurred that produced rockfall and small-volume pyroclastic density currents at 9:41 AM and 10:05 AM that lasted 5 and 7 minutes respectively, based on seismic record. Ashfall were reported in Brgys. Travesia, Muladbucad Grande, Maninila, Masarawag, Poblacion, Iraya, Ilawod, Calzada, Inamnan Grande, Inamnan Pequeno, Maguiron, Quitago and Mauraro in the municipality of Guinobatan; Brgys. Cabangon, Anoling, Sua, Tumpa, Quirangay, Gapo, Sumlang, Brgys. 1 to 7 in the Municipality of Camalig.



A degassing event at 11:07 AM that lasted 8 minutes produced a grayish to dirty white ash column with a maximum of height of approximately 1000 meters above the summit before drifting west-southwest.

### **16 January 2018**

A total of nine (9) episodes of tremor, four (4) of which accompanied short-duration lava fountaining, and 75 lava collapse events, corresponding to rockfall along the front and margins of advancing lava and short pyroclastic flows downriver of Miisi Gully within the PDZ were recorded by Mayon's seismic network. Collapse events and some degassing events at the summit crater generated ash that



rose to 2 km and fell on barangays of Camalig, Guinobatan, and Polangui. Lava flow on the Miisi Gully has presently advanced to approximately 2km from the crater, while shorter volume lava flows have been emplaced on the upper slopes of the Bonga Gully.

### **17 January 2018**

Lava effusion from the new summit lava dome and lava collapse events characterized Mayon Volcano's eruptive activity in the past 24 hours. One hundred forty-three (143) lava collapse events and one (1) tremor were recorded by Mayon's seismic monitoring network. The lava collapse events corresponded to rockfall along the front and margins of advancing lava and pyroclastic flows downriver of Miisi, Matanag, and Buyuan Gullies within the PDZ.

### **18 January 2018**

Quiet lava effusion from the new summit lava dome and lava collapse events characterized Mayon Volcano's eruptive activity in the past 24 hours. Forty-eight (48) rockfall events, two (2) pyroclastic density currents or PDCs and one (1) volcanic earthquake were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Miisi Gully and by shedding from the summit dome onto the Matanag and Buyuan Gullies. The Miisi lava flow has advanced to approximately three (3) kilometers from the summit crater whilst PDCs were emplaced roughly within the same reaches on this drainage, all well within the PDZ. Ash clouds were lofted from the rockfall and PDCs events as well as from the persistent disintegration of lava on the advancing front of the Miisi lava flow before drifting to the southwest.

### **19 January 2018**

Quiet lava effusion from the new summit lava dome and lava collapse events characterized Mayon Volcano's eruptive activity in the past 24 hours. Twenty four (24) rockfall events and one (1) volcanic earthquake were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Miisi Gully and by shedding from the summit dome onto the Bonga Gully. Currently, the Miisi lava flow has advanced to

approximately three (3) kilometres from the summit crater well within the PDZ. Ash clouds were lofted from the rockfall events as well as from the persistent disintegration of lava on the advancing front of the Miisi lava flow before drifting to the southwest.

### **20 January 2018**

Quiet lava effusion from the new summit lava dome and lava collapse events characterized Mayon Volcano's eruptive activity in the past 24 hours. Five (5) rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Miisi Gully and by shedding from the summit dome onto the Bonga Gully. Currently, the Miisi lava flow has advanced to three (3) kilometers from the summit crater well within the PDZ. Ash clouds were lofted from the rockfall events as well as from the persistent disintegration of lava on the advancing front of the Miisi lava flow before drifting to the southwest.

Alert Level 3 remains in effect over Mayon Volcano, which means that it is currently in a relatively high level of unrest as magma is at the crater and hazardous eruption is possible within weeks or even days.

### **21 January 2018**

Quiet lava effusion from the new summit lava dome and lava collapse events characterized Mayon Volcano's eruptive activity in the past 24 hours. Fourteen (14) rockfall events and ten (10) pyroclastic density currents or PDCs were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Miisi



Gully and by shedding from the summit dome onto the Bonga Gully. Currently, the Miisi lava flow has advanced to three (3) kilometers from the summit crater well within the Permanent Danger Zone (PDZ). Weak ash clouds were lofted from the rockfall events as well as from the persistent disintegration of lava on the advancing front of the Miisi lava flow before drifting to the southwest.

Alert Level 3 remains in effect over Mayon Volcano, which means that it is currently in a relatively high level of unrest as magma is at the crater and hazardous eruption is possible within weeks or even days.

### **22 January 2018**

Lava eruption from the summit and lava collapse events characterized Mayon Volcano's eruptive activity in the past 24 hours. Three (3) episodes of volcanic tremor, two (2) of which corresponded to lava fountaining, sixty-four (64) rockfall events and one (1) pyroclastic density current or PDC were recorded by Mayon's seismic monitoring network. Strombolian activity at 10:45 PM and 2:25 AM generated 500m to 200m high lava fountains, respectively, and ash plumes that rose 1,300m above the

summit. The ash plumes were drifted southwest and ashfall was experienced in Brgys. Oas and Guinobatan.

The lava fountains signified an increase in mass eruption rate, as lava was observed to be flowing more voluminously than before, feeding the advancing Miisi lava anew and feeding two (2) new lava flows on the Bonga Gully. Currently, the Miisi lava flow has advanced beyond 3km from the summit crater well within the PDZ.

At 1:00 PM, 22 January 2018, PHIVOLCS raised the Alert Level of Mayon Volcano to Alert Level 4 (hazardous eruption imminent). The Danger Zone is extended to 8 kilometers radius from the summit vent. The public is strongly advised to be vigilant and desist from entering this danger zone. Civil aviation authorities must also advise pilots to avoid flying close to the volcano's summit as ash from eruptions can be hazardous to aircraft.

### **23 January 2018**

At 12:43 PM, 22 January 2018, a dense, five-kilometer tall eruption column was generated by a short-lived phreatomagmatic eruption at Mayon Volcano that lasted eight (8) minutes based on the seismic record. The event generated pyroclastic density currents or PDCs on gullies and barrancos heading the Miisi, Bonga, Buyuan, Basud, San Andres, Buang, Anoling and other minor rivers within four (4) kilometers of the summit vent, well within the Permanent Danger Zone (PDZ). Volcanic ash was blown west and fell on the Municipalities of Guinobatan, Camalig, Oas, Polangui and Iriga City. This was followed by a minor degassing event at 5:51 PM that generated a short, 500 meter-high ash plume. Between 9:37 PM and 5:25 AM the following morning, five (5) episodes of intense but sporadic lava fountaining from the summit crater lasting three (3) to thirty (30) minutes occurred. The lava fountains reached 500 meters to 700 meters high and generated ash plumes that reached 2.5 kilometers to 3 kilometers above the crater. The events fed lava flows on the Miisi and Bonga Gullies, sprayed near-vent lava spatter and fed incandescent rockfall on the summit area.



A total of two (2) explosion-type earthquakes corresponding to the vertical column eruptions, eighteen (18) tremor events, some corresponding to lava fountaining episodes, thirty five (35) rockfall events and (2) pyroclastic density currents or PDCs from lava collapse were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Miisi Gully and by shedding from the summit dome onto the Bonga Gully. Currently, the Miisi and Buyuan lava flows have advanced to three (3) kilometers and 200 meters, respectively, from the summit crater. Sulfur dioxide gas emission was measured at an average of 992 tonnes/day on 22 January 2018 prior to the phreatomagmatic event. Electronic tilt and continuous GPS measurements indicate a

sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

### **24 January 2018**

Between 8:54 AM, 23 January 2018 to 03:57 AM 24 January 2018, five (5) episodes of intense but sporadic lava fountaining from the summit crater lasting seven (7) minutes to one (1) hour and twenty (24) minutes occurred. The lava fountains reached 500 meters to 600 meters high and generated ash plumes that reached 3 kilometers to 5 kilometers above the crater. The events fed lava flows on the Miisi and Bonga Gullies, sprayed near-vent lava spatter, and fed incandescent rockfall on the summit area. Pyroclastic density currents or PDCs on gullies heading the Miisi, Lidong/Basud, and Buyuan



Channels were also observed. The runout of PDCs on the Buyuan Channel is now exceeding 5 kilometers from the summit crater.

A total of five (5) tremor events corresponding to lava fountaining episodes, three (3) episodes of pyroclastic density current or PDC generation from lava collapse, and numerous rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Miisi Gully and by shedding from the summit dome onto the Bonga Gully. Currently, the Miisi and Buyuan lava flows have advanced to three (3) kilometers and one (1) kilometer, respectively, from the summit crater. Sulfur dioxide gas emission was measured at an average of 2466 tonnes/day on 23 January 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

### **25 January 2018**

Between 6:02 AM yesterday to 3:00 AM this morning, six (6) episodes of intense but sporadic lava fountaining from the summit crater lasting 9 mins to 58 mins occurred. The lava fountains reached 400-500 meters high and generated ash plumes that reached 3-5 km above the crater. The events fed lava flows on the Miisi and Bonga Gullies, sprayed near-vent lava spatter, and fed incandescent rockfall on the summit area. Pyroclastic density currents or PDCs on gullies heading the Miisi, Lidong/Basud, and Buyuan Channels were also observed. The runout of PDCs on the Buyuan Channel is now exceeding 5 km from the summit crater.

A total of thirteen (13) tremor events, six (6) of which correspond to the lava fountaining events, two (2) episodes of pyroclastic density current or PDC generation from lava collapse, and numerous rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and



margins of the advancing lava flow on the Miisi Gully and by shedding from the summit dome onto the Bonga Gully. Currently, the Miisi and Buyuan lava flows have advanced to 3 km and 1 km, respectively, from the summit crater. Sulfure dioxide gas emission was measured at an average of 1,252 tonnes/day on 24 January 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.



### **26 January 2018**

Between 06:11 AM, 25 January 2018 to 02:31 AM, 26 January 2018, seven (7) episodes of intense but sporadic lava fountaining from the summit crater lasting twenty six (26) minutes to fifty-seven (57) minutes occurred. The lava fountains reached 150 meters to 500 meters high and generated ash plumes that reached 500 meters to 3 kilometers above the crater. The events fed lava flows on the Mi-isi and Bonga Gullies, sprayed near-vent lava spatter, and fed incandescent rockfall on the summit area. Pyroclastic density currents or PDCs on gullies heading the Mi-isi, Lidong/Basud, and Buyuan Channels were also observed. The run-out of PDCs on the Buyuan Channel is now exceeding 5 kilometers from the summit crater.



A total of fifteen (15) volcanic earthquakes, nineteen (19) tremor events, seven (7) of which correspond to the lava fountaining events, one (1) episode of pyroclastic density current or PDC generation from lava collapse, and numerous rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Mi-isi and Bonga Gullies. Currently, the Mi-isi and Buyuan lava flows have maintained their advance to three (3) kilometers and one (1) kilometer, respectively, from the summit crater. Sulfur Dioxide Gas emission was measured at an average of 1,916 tonnes/day on 25 January 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

## **27 January 2018**

Between 6:26 AM to 1:40 PM 26 January 2018, three (3) episodes of sporadic lava fountaining from the summit crater lasting twenty-four (24) minutes to forty (40) minutes occurred. The lava fountains generated ash plumes that reached 3 kilometers above the crater. The events fed lava flows on the Mi-isi and Bonga Gullies, sprayed near-vent lava spatter, and fed rockfall on the summit area. Only one (1) pyroclastic density current or PDC on the Mi-isi Gully was observed. Lava fountaining episodes transitioned into aseismic lava effusion in the early evening, feeding incandescent lava flows on the Bonga and Mi-isi Gullies, the former of which advanced significantly downslope.

A total of ten (10) volcanic earthquakes, twenty-one (21) tremor events, three (3) of which correspond to the lava fountaining events, one (1) PDC from lava collapse, and twenty-one (21) rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Bonga and Mi-isi Gullies. Currently, the Mi-isi and Bonga lava flows have maintained their advance to three (3) and 1.8 kilometers, respectively, from the summit crater. Sulfur Dioxide Gas emission was measured at an average of 1,916 tonnes/day on 25 January 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

## **28 January 2018**

Between 6:22 PM yesterday to 1:40 AM this morning, two (2) episodes of sporadic lava fountaining from the summit crater lasting 23 minutes and 55 minutes occurred. The events fed lava flows on the Mi-isi and Bonga Gullies, sprayed near-vent lava spatter, and fed rockfall on the summit area. In between lava fountaining episodes, lava effusion continued to feed lava flows on the Bonga and Miisi Gullies. Heavy rainfall throughout the day generated sediment-laden stream flows in channels draining the volcano edifice.

A total of four (4) volcanic earthquakes, seven (7) tremor events, two (2) of which correspond to the lava fountaining events, twenty-three (23) rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Bonga and Miisi Gullies. Currently, the Miisi and Bonga lava flows have maintained their advance to 3 and 1.8 km, respectively, from the summit crater. Sulfur dioxide gas emission was measured at an average of 1,916 tonnes/day on 25 January 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

## **29 January 2018**

Between 5:36 AM yesterday to 7:47 PM last night, four (4) episodes of sporadic lava fountaining from the summit crater lasting thirty-six (36) minutes to fifty-seven (57) minutes occurred. The events fed lava flows on the Mi-isi and Bonga Gullies, sprayed near-vent lava spatter, and fed rockfall on the summit area. The lava fountaining events were succeeded by lava effusion in the early morning that fed new lava flow on the Bonga and Miisi Gullies. Heavy rainfall that lasted until the early morning generated channel confined lahars on the Binaan Channel and sediment-laden streamflows in channels draining the volcano edifice due to the remobilization of deposits of pyroclastic density currents or PDCs on the watershed areas.

A total of forty-one (41) volcanic earthquakes, six (6) tremor events, four (4) of which correspond to the lava fountaining events, and sixteen (16) rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Bonga and Miisi Gullies. Currently, the Miisi and Bonga lava flows have maintained their advance to three (3) and 1.8 kilometers, respectively, from the summit crater. Sulfur dioxide gas emission was measured at an average of 1,916 tonnes/day on 25 January 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

### **30 January 2018**

Beginning 7:50 last night, energetic lava effusion with sporadic lava fountaining events and generation of lava-collapse fed pyroclastic density currents or PDCs or "uson" occurred until 11:06 PM. Although the upper slopes were heavily obscured, the seismic record indicated onset of this eruption cycle with a large-volume lava collapse at 7:50 PM at the summit crater that fed PDCs on the Mi-isi and Bonga Gullies, followed by lava fountaining at 8:16 that lasted 8 minutes. This was followed by obscured large-volume lava effusion that lasted for an hour and 36 minutes, interspersed with sporadic lava fountaining and/or PDC generation based on the seismic record. Sporadic lava fountaining was visually and seismically detected and persisted until 11:06 PM. The lava fountains reached 200 meters high and generated ash plumes that reached 1.5 kilometers above the crater. Significant ashfall was reported in Camalig and Guinobatan, Albay before 9:00 PM, possible due to the lava fountaining and PDC events.

A total of one hundred nineteen (119) volcanic earthquakes, nine (9) tremor events, two (2) of which correspond to lava fountaining events, two (2) distinct episodes of PDC generation from lava collapse, and sixty-eight (68) rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flow on the Bonga and Mi-isi Gullies. Sulfur Dioxide Gas emission was measured at an average of 1,916 tonnes/day on 25 January 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

### **31 January 2018**

At 11:51 AM yesterday, one (1) lava-collapse fed Pyroclastic Density Current (PDC) event on Mi-isi Gully occurred that produced a 1,250 meter-high ash cloud that drifted southwest. This was succeeded by two (2) more PDC events on the Basud Gully that lasted until 12:09 PM and produced ash clouds draft drifted southwest. Low whitish to light-gray plumes were continuously emitted from the crater throughout the day, and sporadic ashing began at 5:11 PM. This was followed by continuous and sluggish lava effusion in the evening and early morning that continually fed lava flows on the Mi-isi and Bonga Gullies. Intermittent short-lived lava fountaining to 200m heights occurred throughout the night.

A total of two hundred ninety-eight (298) volcanic earthquakes, four (4) distinct episodes of PDC generation from lava collapse, and fifty-two (52) rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flows on the Bonga and Miisi Gullies. Sulfure dioxide gas emission was measured at an average of 3,428

tonnes/day on 30 January 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

### **01 February 2018**

Sporadic and weak lava fountaining and continuous degassing from the summit crater characterized Mayon's activity yesterday. Much of the activity produced low white to light-gray plumes, with the exception of five events that produced 1000 meter-tall gray ash plumes between 8:13 AM and 11:56 AM, at 6:01 PM and at 9:37 PM. Four (4) episodes of lava-collapse pyroclastic density current or PDC events occurred between 9:53 AM and 5:50 PM and emplaced PDCs on the Miisi, Basud and Bonga Gullies within two kilometers of the summit crater. A series of loud booming sounds between 10:55 AM and 12:26 PM, audible for more than 10 kilometers, were generated along with bursts of steam-laden plumes from the summit crater. Throughout the night, quiet lava effusion fed lava flows and rockfall in the Miisi and Bonga gullies and barrancos between these. The Miisi and Basud lava flows have advanced to 3.2 kilometers and 3.6 kilometers, respectively, from the summit crater.

A total of two hundred seventy-three (273) volcanic earthquakes, most of which corresponded to sporadic and weak fountaining events, fifteen (15) tremor events, and seven (7) rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flows on the Bonga and Miisi Gullies. Sulfur dioxide gas emission was measured at an average of 2,299 tonnes/day on 31 January 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

### **02 February 2018**

Sporadic and weak lava fountaining, continuous lava effusion and degassing from the summit crater characterized Mayon's activity yesterday. Much of the activity produced low white to light-gray plumes, with the exception of four events that produced 750 to 1500 meter-tall gray ash plumes at 6:04 AM, 7:56 AM, 8:51 AM and 9:11 PM accompanied by loud booming sounds audible within ten (10) kilometers of the summit crater. Eleven (11) episodes of lava-collapse pyroclastic density current (PDC) events were visually observed between 8:51 AM yesterday and 2:01 AM this morning depositing along Miisi, Basud and Bonga Gullies within two (2) kilometers of the summit crater. Throughout the night, quiet lava effusion fed lava flows and rockfall in the Miisi and Bonga-Buyuan channels and barrancos between these. The Miisi and Bonga-Buyuan lava flows have advanced to 3.2 kilometers and 4.0 kilometers, respectively, from the summit crater.

A total of three hundred thirty eight (338) volcanic earthquakes, most of which corresponded to sporadic and weak fountaining events, two (2) tremor events, eleven (11) distinct episodes of PDC generation from lava collapse and two (2) rockfall events were recorded by Mayon's seismic monitoring network. Rockfall events were generated by the collapsing lava front and margins of the advancing lava flows on the Bonga and Miisi Gullies. Sulfur dioxide gas emission was measured at an average of 3,066 tonnes/day on 01 February 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

### **03 February 2018**

Sporadic and weak lava fountaining, lava flow and degassing from the summit crater characterized Mayon's activity yesterday. Much of the activity produced low white to light-gray plumes, with the exception of one event that produced a 1,000 meter-tall gray ash plume at 9:18 AM. Throughout the night, quiet lava effusion fed lava flows in the Mi-isi and Bonga-Buyuan channels and barrancos between these. The Mi-isi and Bonga-Buyuan lava flows have advanced to 3.2 kilometers and 4.3 kilometers, respectively, from the summit crater.

A total of seventeen (17) volcanic earthquakes, most of which corresponded to sporadic and weak fountaining events, ten (10) tremor events were recorded by Mayon's seismic monitoring network. Sulfur Dioxide Gas emission was measured at an average of 1,583 tonnes/day on 02 February 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

### **04 February 2018**

Sporadic and weak lava fountaining, lava flow and degassing from the summit crater characterized Mayon's activity yesterday. One event produced a 500-meter high ash plume and a low and weak lava fountain that lasted 37 seconds. Throughout the night, quiet lava effusion fed lava flows in the Mi-isi and Bonga-Buyuan channels and barrancos between these. The Mi-isi and Bonga-Buyuan lava flows have advanced to 3.2 kilometers and 4.3 kilometers, respectively, from the summit crater.

A total of fifty-five (55) volcanic earthquakes, most of which corresponded to sporadic and weak fountaining events, nine (9) rockfall events were recorded by Mayon's seismic monitoring network. Sulfur dioxide gas emission was measured at an average of 1,583 tonnes/day on 02 February 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

### **05 February 2018**

Sporadic and weak lava fountaining, lava flow and degassing from the summit crater characterized Mayon's activity yesterday. Two lava fountaining events yesterday produced 500 and 550 meter high ash plumes 10:38 AM and 1:52 PM both observed with rumbling sounds. The first event of these two events, lasting for an hour and fifty four minutes of sporadic lava flows, was accompanied by booming sounds audible within 10 kilometers of the summit crater. Throughout the night, quiet lava effusion fed lava flows in the Miisi and Bonga-Buyuan channels and barrancos between these with the exception of two weak lava fountaining events early this morning at 02:54 AM and 05:22 AM. These events were visually observed to have ejected high volumes of incandescent lava that have advanced to 3.2 kilometers and 4.5 kilometers, through the Miisi and Bonga-Buyuan channels respectively, from the summit crater.

A total of one hundred sixty four (164) volcanic earthquakes, most of which corresponded to sporadic and weak fountaining events, two (2) rockfall events and one (1) tremor event were recorded by Mayon's seismic monitoring network. Sulfur dioxide gas emission was measured at an average of 1,583 tonnes/day on 02 February 2018. Electronic tilt and continuous GPS measurements indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

## **06 February 2018**

Mayon's activity in the past 24 hours was characterized by sporadic to near continuous lava fountaining, lava flow and degassing from the summit crater. Repeated lava fountaining from 5:57 AM to 1:46 PM and near continuous lava fountaining from 3:59 PM to present were recorded by the volcano seismic network. These were associated with generation of steam-laden ash plumes up to four hundred (400) meters high. The lava fountaining episodes were accompanied by rumbling sounds audible within 10 kilometres of the summit crater. Throughout the night, lava flows, and consequent incandescent rockfalls were observed in the Miisi and Bonga-Buyuan channels. Effused high volumes of incandescent lava flows have advanced to 3.2, 4.5, and approximately 3.0 kilometers down the Miisi, Bonga-Buyuan and Basud channels, respectively, from the summit crater.

A total of one hundred sixteen (116) volcanic earthquakes, most of which corresponded to lava fountaining events were recorded by Mayon's seismic monitoring network. Sulfur dioxide gas emission was measured at an average of 1,583 tonnes/day on 02 February 2018. Electronic tilt and continuous GPS measurement indicate a sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion

## **07 February 2018**

Mayon's activity in the past 24 hours was characterized by near continuous lava fountaining, lava flow and degassing from the summit crater. Seventy eight successive lava fountaining episodes, 152 in total since 5:57 AM of 5 February, have been recorded by the seismic network. Discrete episodes lasted three to 41 minutes and were accompanied by rumbling sounds audible within 10 kilometers of the summit crater. Persistent steam-laden plumes rose up to 2.5 kilometers from the summit before drifting east and northeast. Throughout the night, lava flows and consequent incandescent rockfalls were observed in the Miisi and Bonga-Buyuan channels. Effused volumes of incandescent lava flows have advanced to 3.3 and 4.5 kilometers down the Miisi and Bonga-Buyuan channels, respectively, from the summit crater. Pyroclastic density currents or PDCs have deposited to the 4.6, 4.4 and 4.2 kilometer reaches of the Miisi, Bonga and Basud Gullies, respectively.

A total of eighty-three (83) volcanic earthquakes, most of which corresponded to lava fountaining events were recorded by Mayon's seismic monitoring network. Sulfur dioxide gas emission was measured at an average of 1,885 tonnes/day on 06 February 2018. Electronic tilt and continuous GPS still record sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

## **08 February 2018**

Mayon's activity in the past 24 hours was characterized by near continuous lava fountaining, lava flow and degassing from the summit crater. Thirty-five successive lava fountaining episodes since 12:35 PM yesterday have been recorded by the seismic network. Discrete episodes lasted nine to 233 minutes and were accompanied by rumbling and heaving sounds audible beyond 10 kilometers of the summit crater. Incandescent lava fountains 150 meters tall generated steam-laden plumes that rose 800 meters from the summit before drifting northeast. Throughout the night, lava flows and consequent incandescent rockfalls were observed in the Miisi and Bonga-Buyuan channels. Effused volumes of incandescent lava flows have advanced to 3.3 kilometers, 4.5 kilometers and 400 meters down the Miisi, Bong and

Basud Gullies, respectively, from the summit crater. Pyroclastic density currents or PDCs have deposited to the 4.6, 4.4 and 4.2 kilometer reaches of the Miisi, Bonga and Basud Gullies, respectively.

A total of thirty-six (36) volcanic earthquakes, most of which corresponded to lava fountaining events were recorded by Mayon's seismic monitoring network. Sulfur dioxide gas emission was measured at an average of 2526 tonnes/day on 07 February 2018. Electronic tilt and continuous GPS still record sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

**09 February 2018**

Mayon's activity in the past 24 hours was characterized by near continuous lava fountaining, lava flow and degassing from the summit crater. Sixty nine (69) successive lava fountaining episode since 12:35 PM, 07 February 2018 have been recorded by the seismic network. Discrete episodes lasted 3 to 233 minutes and were accompanied by rumbling and heaving sounds audible beyond 10 km of the summit crater. Incandescent lava fountains 100m tall generated steam-laden plumes that rose up to 800m from the summit before drifting northeast. Throughout the night, lava flows and consequent incandescent rockfalls were observed in the Mi-isi and Bonga-Buyuan channels. Effused volumes of incandescent lava flows have advanced to 3.3 km, 4.5 km, and 900 m down the Mi-isi, Bonga, and Basud Gullies, respectively, from the summit crater. Pyroclastic density currents or PDCs have deposited to the 4.6, 4.5, and 4.2 km reaches of Mi-isi, Bonga, and Basud Gullies, respectively.

A total of fifty-four (54) volcanic earthquakes, most of which corresponded to lava fountaining events were recorded by Mayon's seismic monitoring network. Sulfur dioxide gas emission was measured at an average of 2,526 tonnes/day on 07 February 2018. Electronic tilt and continuous GPS and still record sustained swelling or inflation of the edifice since November and October 2017, consistent with pressurization by magmatic intrusion.

**Eruption notifications:**

<b>Date and Time</b>	<b>Estimated Height of Ash/steam Plume Cloud</b>	<b>Remarks</b>
14 January 2018, 8:49 AM		General Drift of Plume: Southwest Ash/Steam Plume/Cloud color: gray
14 January 2018, 11:43 AM		General Drift of Plume: Southwest Ashfall experience in Camalig, Albay
15 January 2018, 9:41 AM		General Drift of Plume: South-Southwest Ash/Steam Plume/Cloud color: grayish to white Ash column from lava collapse
15 January 2018, 11:07 AM	3,281 ft (1000m)	General Drift of Plume: West-Southwest Ash/Steam Plume/Cloud color: grayish to dirty white
21 January 2018, 2:59 PM	8,071 ft (2,460m)	Lava Fountaining
22 January 2018, 2:25 AM	656 ft (200m)	Ash/Steam Plume
22 January 2018,	3,281 ft (1,000m)	Ash/Steam Plume/ Degassing Event

<b>Date and Time</b>	<b>Estimated Height of Ash/steam Plume Cloud</b>	<b>Remarks</b>
10:22 AM		
22 January 2018, 12:43 PM	16,404 ft (5,000m)	General Drift of Plume from Southwest to South Southwest. Ash/Steam Plume/Cloud color dark grey plume
22 January 2018, 9:37 PM	13,123 ft (4,000m)	General Drift of Plume: Southwest Fountain height 500-700m. Second fountaining event from 9:42-9:50 PM
23 January 2018, 1:32 AM	8,202 ft. (2500m)	Lava fountaining (600m) w/ continuous rumbling sound.
23 January 2018, 4:55 AM	N/A	Lava fountaining (500m) w/ booming sound; obscured plume
23 January 2018, 8:54 AM	16,404 ft. (5000m)	Ash/Steam Plume/Cloud Color Gray, Phreatomagmatic with rumbling sound
23 January 2018, 1:16 PM	9,842 ft. (3000m)	Ash / steam plumes / cloud color: grayish-brown with rumbling sound occurred.
23 January 2018, 5:55 PM	9,842 ft. (3000m)	Lava fountaining (600m), with pyroplastic density currents implaced on Miisi (south sector), Lidong / Basud (east sector) and rumbling sound occurred.
23 January 2018, 9:39 PM	16,404 ft. (5000m)	Ash / steam plumes / cloud color gray, lava fountaining (500m), with rumbling sound
24 January 2018, 2:33 AM	9,842 ft. (3000m)	Lava fountaining (500m), rock falls toward Mabinit and Bonga (southeast sector) with rumbling sound; an approximately 400 meter lava splatter along the 1.1 km lava flow at Bonga gully. The eruption ended at 3:57 AM through visual and auditory observation.
24 January 2018, 6:02 AM	16,404 ft. (5000m)	Ash / steam plumes / cloud color gray, with rumbling sound, pyroclastic density currents towards Mii-si (south sector) and Buyuan (southeast sector)
24 January 2018, 10:50 AM	9,842 ft (3,000m)	General Drift of Plume: Southwest Ash/Steam Plume/ Cloud Color Gray
24 January 2018, 1:54 PM	9,842 ft (3,000m)	General Drift of Plume: Southwest Ash/Steam Plume/ Cloud Color Gray
24 January 2018, 5:58 PM	13,123 ft (4,000m)	General Drift of Plume: Southwest Ash/Steam Plume/Cloud Color Gray Pyroclastic Density Current towards Miisi Lava fountaining (500m) With rumbling sound
24 January 2018, 10:24 PM	9,842 ft (3,000m)	General Drift of Plume: Southwest Ash/Steam Plume/Cloud Color Gray Lava fountaining (500m) With rumbling sound
25 January 2018, 2:02 AM		Lava fountaining (300m) With rumbling sound No visual observation



<b>Date and Time</b>	<b>Estimated Height of Ash/steam Plume Cloud</b>	<b>Remarks</b>
25 January 2018, 6:11 AM	8,202 ft (2,500m)	General Drift of Plume: Southwest Ash/Steam Plume/Cloud Color Gray Lava fountaining (300m) With rumbling sound
25 January 2018, 8:45 AM	1,640 ft. (500m)	Ash / steam plumes / cloud color: Gray Plume with lava fountaining (150 m)
25 January 2018, 11:33 AM		Grayish brown plume Rumbling sounds detected in Lignon Hill Observatory (LHO)
25 January 2018, 2:28 PM	(3,000m)	General Drift of Plume: West- Northwest Gray plume Rumbling sounds observed in Buang
25 January 2018, 5:45 PM	4,265 ft (1,300m)	General Drift of Plume: Northwest Ash/Steam Plume/Cloud Color Gray Lava fountaining PDC towards Basud channel
25 January 2018, 09:45 PM		General Drift of Plume: Obscured Lava fountaining (500m) With rumbling sound heard from MVO
26 January 2018, 02:31 AM		Ash/Steam Plume/Cloud Color: Obscured With rumbling sound/ no visual/ based on seismic data signature
26 January 2018, 06:26 AM		General Drift of Plume: Southwest Ash/Steam Plume/Cloud Color: white to grayish With rumbling sound
26 January 2018, 11:01 AM		With rumbling sound
26 January 2018, 01:40 PM		With rumbling sound in Buang and obscured plume height
27 January 2018, 6:22 PM		Lava fountaining height 400m; with rumbling sound
28 January 2018, 12:45 AM		With rumbling sound No visual observation
28 January 2018, 5:36 AM		With rumbling sound No visual observation
29 January 2018, 8:16 PM		No visual observation based on seismic record
29 January 2018, 10:45 PM	4,921 ft (1,500m)	Lava fountaining height of 200m
29 January 2018, 8:16 PM		No visual observation based on seismic record
29 January 2018, 10:45 PM	4,921 ft (1,500m)	Lava fountaining height of 200m
30 January 2018, 11:51 AM	4,101 ft (1,250m)	General Drift of Plume: Southwest PDC in Miisi Gully Color Gray
30 January 2018, 5:11 PM	820 ft (250m)	General Drift of Plume: Southwest Minor Ashing Color Gray
31 January 2018, 08:13 AM	3,281 ft (1,000 m)	General Drift of Plume: Southwest With rumbling sound

<b>Date and Time</b>	<b>Estimated Height of Ash/steam Plume Cloud</b>	<b>Remarks</b>
31 January 2018, 9:52 AM	984 ft (300 m)	General Drift of Plume: Southwest Minor ashing With rumbling sounds, degassing with sporadic dark gray
31 January 2018, 11:56 AM	3,281 ft (1000 m)	General Drift of Plume: Southwest Ash/Steam Plume/Cloud Color: Booming and rumbling sound, PDC in Mi-isi and Bonga gully within 1 km of summit, brownish gray color
31 January 2018, 6:01 PM	3,281 ft (1000 m)	General Drift of Plume: Southwest PDC towards BASUD gully within 1 km
31 January 2018, 9:27 PM	3,281 ft (1000 m)	General Drift of Plume: Southwest Lava fountaining height: 100 m
01 February 2018, 6:04 AM	4429 ft (1350 m)	With booming sound, grayish, SW
01 February 2018, 7:56 AM	4,921 ft (1500 m)	Minor ash emission, grayish
01 February 2018, 8:51 AM	2,461 ft (750 m)	Minor ash emission with booming sound, grayish.
01 February 2018, 9:11 PM	4,101 ft (1250 m)	Ash / Steam Plume / Cloud Color: gray, SW, PDC towards Mi-isi gully, with rumbling sound
02 February 2018, 9:18 AM	3,281 ft (1,000m)	General Drift of Plume: Southwest Ash/Steam Plume/Cloud color: Gray Ash puff
03 February 2018, 6:00 PM	738 ft (225 m)	General Drift of Plume: Southwest Ash/Steam Plume/Cloud color: Gray, drifting Southwest with 20 meters lava fountaining preceded by 500 meters ash puff
04 February 2018, 10:38 AM	1640 ft (500 m)	Partially obscured, sporadic lava fountaining with booming sound
04 February 2018, 1:52 PM		Obscured with rumbling sound based on seismic records
05 February 2018, 2:54 AM	1,804 ft (550m)	High volume incandescent lava flow in the Mi-isi and Bonga Gullies
05 February 2018, 5:22 AM		With rumbling sound
05 February 2018, 3:59 PM	Obscured	Lava fountaining signal, with rumbling sounds, 3-10 minutes duration, total events 8.
05 February 2018, 09:15 PM	Obscured	Lava fountaining signal
05 February 2018, 09:49 PM	Obscured	Lava fountaining signal with rumbling sound, with 24 number of discrete events
07 February 2018, 12:35 PM		Continuous lava fountaining signal with rumbling sound, with 6 discrete events ranging from 2-10 mins. duration based on seismic record, no visual observation

**Preparedness Measures and Effects of Mt. Mayon Eruption**  
**PRE-EMPTIVE EVACUATION**  
**As of 10 February 2018, 8:00 AM**

Region/Province/ Municipality/Barangay	No. of Families Evacuated	Evacuation Center	Date and Time of Evacuation
<b>GRAND TOTAL</b>	<b>16,380</b>		
<b>ALBAY</b>			
<b>Camalig</b>	<b>2,294</b>		
Anoling	410	Anoling ES/Relocation Site	As of 15 January 2018
Cabangan	228	Cabangan ES	As of 15 January 2018
Salugan	261	Camalig North Central School	As of 15 January 2018
Quirangay	394	AECID CNS	As of 15 January 2018
Tumpa	344	CNCS	As of 15 January 2018
Sua	436	CNCS	As of 15 January 2018
Gapo	33	Iluluan ES	As of 23 January 2018
Brgy. 1	36	Caguiba NHS	As of 23 January 2018
Brgy. 3	43		As of 23 January 2018
Libod	103	Palanog ES	As of 23 January 2018
Ilawod	6	Pariaan ES	As of 23 January 2018
<b>Guinobatan</b>	<b>3,623</b>		
Maninila	515	Guinobatan East Central School	As of 15, January 2018
Tandarora	77	Lower Binugsacan Elem. School	As of 15, January 2018
Tandarora (Mabalod)	199	Lower Binugsacan High School	As of 15, January 2018
Malad Bucad Grande	607	Maladbucad Elem. School, Bubulusan ES, Inascan ES, San Jose ES, Quibobongan ES	As of 15, January 2018
Maguiron	224	Maninila/Mayon	As of 23 January 2018
Quitago	202	Muladbucad Pequeño	As of 23 January 2018
Masarawag	1,406	Lower Binugsacan, Guinobatan West Central, Mauraro HS, Bucad Extension	As of 23 January 2018
Maipon	74	Maipon ES	As of 23 January 2018
Doña Tomasa	116		As of 23 January 2018
Muladbucad Pequeño	203	Don Juan ES	As of 23 January 2018
<b>Ligao City</b>	<b>810</b>		
Baligang	367	National Technical Vocational High School, Nasisi, Nasisi Ligao City	As of 15 January 2018
Nabonton	63	Nabonton ES	As of 23 January 2018
Amtic	327	AECID Bldg. Ligao West Central ES, LWCES New Building 1 and 2	As of 23 January 2018
Tambo	53	Tambo Elementary School	As of 23 January 2018
<b>Daraga</b>	<b>2,191</b>		
Miisi	335	Upper Malabog/Malabog Parish	As of 15 January 2018
Budiao	420	BudiaoES, Anislag EC, Anislag PH III, SK Hall	As of 15 January 2018
Banadero	485	Anislag EC, Anislag PH III, Core Shelter houses or relatives in Daraga Resettlement Site Phase 1	As of 15 January 2018
Matnog	342	Anislag Elem. School, Daraga relocation site	As of 15 January 2018

Region/Province/ Municipality/Barangay	No. of Families Evacuated	Evacuation Center	Date and Time of Evacuation
Salvacion	609	Lacag ES and HS	As of 23 January 2018
<b>Tabaco City</b>	<b>1,143</b>		
Buang	226	Mayon ES, Bantayan National HS	As of 23 January 2018
Buhian	65	Bantayan National HS	As of 23 January 2018
Maririoc	222	Tabaco National HS	As of 23 January 2018
Comon	211	Tabaco National HS, TNWCES	As of 23 January 2018
Magapo	255	San Antonio ES	As of 23 January 2018
Oson	164	San Antonio ES, Tabaco North West ES	As of 23 January 2018
<b>Malilipot</b>	<b>799</b>		
Canaway	131	Malilipot Central School	As of 15, January 2018
Calbayog	596	San Jose Elem. School	As of 15, January 2018
San Roque	72		As of 15, January 2018
<b>Legazpi City</b>	<b>3,304</b>		
Padang	174	Buraguis Evac Center	As of 23 January 2018
Buyuan	1,089	Bagumbayan Central	As of 23 January 2018
Matanag	550	Albay Central School	As of 23 January 2018
Bogña	860	Gogon Central School, Gogon HS	As of 23 January 2018
Mabinit	412	Legazpi City HS	As of 23 January 2018
Bigaa	28	EM's Barrio	As of 23 January 2018
Dita	41	Dita ES	As of 23 January 2018
Bagong Abre	150	Oro Site ES	As of 23 January 2018
<b>Sto. Domingo</b>	<b>2,216</b>		
Sta. Misericordia	458	San Andres ES	As of 23 January 2018
Fidel Surtida	404		As of 23 January 2018
Lidong	553	Bical National HS	As of 23 January 2018
San Fernando	424	San Isidro ES	As of 23 January 2018
San Isidro	377	Salvacion ES, Calayucay	As of 23 January 2018

Source: DILG SitRep No. 04 as of 24 January 2018

## Preparedness Measures and Effects of Mt. Mayon Eruption

**SUSPENSION OF CLASSES**

As of 10 February 2018, 8:00 AM

PROVINCE/CITY/ MUNICIPALITY	LEVEL	DATE SUSPENDED	DATE RESUMED	REMARKS
<b>ALBAY</b>				
Province-wide	All Levels	22 January 2018	January 29, 2018	Province wide; Suspension are subject to the discretion of the LCE.
Guinobatan	All Levels	January 15, 2018	January 29, 2018	With shifting
Camalig	All Levels	January 15, 2018	January 29, 2018	With shifting; (Taladong ES and Baligang ES)
Tabaco City	Pre-school to Senior High School	January 15, 2018	January 29, 2018	With scheduled emergency classes/shifting
Legazpi City	All Levels	January 15, 2018	January 29, 2018	With the decampment of evacuees
Sto. Domingo	All Levels	January 22, 2018	February 2, 2018	Conducted a meeting with LDRRC & DEPED Principal. LCE announced suspension of classes, preparation for evacuation of marginalized sector within 6kms.
Ligao City	All levels	January 15, 2018	January 29, 2018	With scheduled emergency classes/shifting
Daraga	All Levels	January 15, 2018	January 29, 2018	Municipal wide
Bacacay	All Levels	January 22, 2018	January 24, 2018	-
Oas	All Levels	January 22, 2018	January 29, 2018	-
Polangui	All Levels	January 22, 2018	January 29, 2018	-
Malilipot	All levels	January 22, 2018	January 29, 2018	Adopt a scheming schedule
<b>Camarines Sur Rinconada Area (Bato, Nabua, Iriga, Balatan, Bula, Bao and Buh)</b>	All Levels	12:00 NN, 22 January 2018	January 29, 2018	Due to volcanic ash from Mayon Volcano

Sources: DILG SitRep No. 03 as of 22 January 2018, OCDRO V, and AFP

## Preparedness Measures and Effects of Mayon Volcano Eruption

**STATUS OF ROADS AND BRIDGES**

As of 10 February 2018, 8:00 AM

ROAD SECTION / BRIDGE		REMARKS	STATUS
<b>Region V</b>			
<b>Albay 1st DEO</b>			
<b>Daang Maharlika Jct.- Legazpi City-Sto. Domingo- Tabaco-Tiwi-Cam. Sur Bdry.</b>	K0575	Landslide	Passable as per email received dated 01/18/2018 at 11:33 am
	K0581	Landslide	Passable as per email received dated 01/18/2018 at 11:33 am
	K0540+-936 - K0584+560 (Part of Lidong, Sto. Domingo and Rawis, Legazpi City)	Poor visibility due to ashfall	Passable / Road section with ashfall is already clear as per email received dated 01/22/2018 at 4:21 pm
<b>Ligao-Tbaco Road</b>	K0516+-845 - K0518+000 (Buang Section)	Ashfall	Passable as per email received dated 01/25/2018 at 2:06 pm
<b>Albay 2nd DEO</b>			
<b>Daang Maharlika, Salugan Camalig, Albay</b>	K05717+300	Silted	Passable as per email received dated 01/18/2018 at 11:33 am
<b>Albay 3rd DEO</b>			
<b>Daang Maharlika Road</b>	Paulog-Tuburan Section	Poor visibility due to ashfall	Passable as per email received dated 01/25/2018 at 2:06 pm
	Travesia Guinobatan-Calzada Ligao	Poor visibility due to ashfall	Passable as per email received dated 01/25/2018 at 2:06 pm
	Guinobatan-Ligao-Polangui Section	Poor visibility due to ashfall	Passable as per email received dated 01/25/2018 at 2:06 pm
	Travesia-Banao Section	Hardly passable due to heavy ashfall with poor visibility	Passable as per email received dated 01/25/2018 at 2:06 pm
<b>Ligao-Tabaco Road</b>	Tuburan-Bay-Batang-Nasisi- Basag Section	Poor visibility due to ashfall	Passable as per email received dated 01/25/2018 at 2:06 pm
	Batang Nasisi-Ligao Section	Hardly passable due to fog with slight ashfall	Passable as per email received dated 01/25/2018 at 2:06 pm
<b>Ligao-Pioduran Road</b>	Tomollin-Cavasi-Tinampo Sectio	Poor visibility due to ashfall	Passable as per email received dated 01/22/2018 at 6:51 pm

SOURCE: DPWH

**Preparedness Measures and Effects of Mayon Volcano Eruption**  
**CANCELLED FLIGHTS**  
**As of 10 February 2018, 8:00 AM**

FLIGHT NO.	ROUTE	DATE CANCELLED	DATE RESUMED
<b>International Flights (11)</b>			
<b>Japan Airlines (1)</b>			
JL745	Narita-Manila	22 January 2018	23 January 2018
<b>Air Niugini (2)</b>			
PX 010 / 011	Port Moresby-MNL-Port Moresby	22 January 2018	23 January 2018
<b>Jetstar (6)</b>			
GK 95 / 94	Nagoya-Manila-Nagoya	22 January 2018	24 January 2018
GK 41 / 40	Narita-Manila-Narita	22 January 2018	23 January 2018
3K 761 / 762	Singapore – Manila - Singapore	23 January 2018	24 January 2018
<b>United Airlines (2)</b>			
UA 183 / 184	Guam-Manila-Guam	22 January 2018	23 January 2018
<b>Domestic Flights (132)</b>			
<b>Cebu Pacific Air (50)</b>			
5J 327 / 328	Manila – Legazpi – Manila	22-24 January 2018	27 January 2018
5J 321 / 322	Manila – Legazpi – Manila	24-25 January 2018	04 February 2018
5J 323 / 324	Manila – Legazpi – Manila	24-25 January 2018	27 January 2018
5J 325 / 326	Manila – Legazpi – Manila	24 January 2018	27 January 2018
5J 821 / 822	Manila – Virac – Manila	24 January 2018	26 January 2018
5J 327 / 328	Manila – Legazpi – Manila	25 January 2018	27 January 2018
5J 327 / 328	Manila – Legazpi – Manila	26 January 2018	27 January 2018
5J 321 / 322	Manila – Legazpi – Manila	26 January 2018	04 February 2018
5J 323 / 324	Manila – Legazpi – Manila	26 January 2018	27 January 2018
5J 325 / 326	Manila – Legazpi – Manila	26 January 2018	27 January 2018
5J 321 / 322	Manila – Legazpi – Manila	27-29 January 2018	04 February 2018
5J 325 / 326	Manila – Legazpi – Manila	30-31 January 2018	01 February 2018
5J 321 / 322	Manila – Legazpi – Manila	01-03 February 2018	04 February 2018
5J 325 / 326	Manila – Legazpi – Manila	03-04 February 2018	05 February 2018
5J 327 / 328	Manila – Legazpi – Manila	01 February 2018	02 February 2018
<b>CebGo (38)</b>			
DG 6117 / 6118	Manila-Naga-Manila	22-24 January 2018	25 January 2018
DG 6031 / 6032	Manila-San Jose-Manila	23 January 2018	24 January 2018
DG 6073 / 6074	Manila-Tablas-Manila	23 January 2018	24 January 2018
DG 6177 / 6178	Manila-Masbate-Manila	23 January 2018	24 January 2018
DG 6298 / 6299	Caticlan-Clark-Caticlan	23 January 2018	24 January 2018
DG 6206 / 6207	Cebu-Legazpi - Cebu	23 January 2018	27 January 2018
DG 6041 / 6042	Manila - Busuanga - Manila	23 January 2018	25 January 2018
DG 6055 / 6056	Manila - Busuanga - Manila	23 January 2018	24 January 2018
DG 6043 / 6044	Manila - Busuanga - Manila	23 January 2018	24 January 2018
DG 6045 / 6046	Manila - Busuanga - Manila	23 January 2018	25 January 2018
DG 6204 / 6205	Cebu – Legazpi - Cebu	24 January 2018	01 February 2018
DG 6111 / 6112	Manila-Naga-Manila	25 January 2018	26 January 2018
DG 6113 / 6114	Manila-Naga-Manila	24 January 2018	29 January 2018
DG 6204 / 6205	Cebu – Legazpi - Cebu	26 January 2018	01 February 2018
DG 6204 / 6205	Cebu – Legazpi - Cebu	27-29 January 2018	01 February 2018
<b>Philippine Airlines (42)</b>			
PR 2927 / 2928	Cebu – Legazpi - Cebu	22 January 2018	02 February 2018
PR 2965 / 2966	Clark – Naga – Clark	22 January 2018	26 January / 02 February 2018
PR 2921	Manila – Legazpi	23 January 2018	01 February 2018
PR 2927	Cebu – Legazpi	23 January 2018	02 February 2018
PR 2965	Clark - Naga	23 January 2018	26 January 2018
PR 2621	Clark – Masbate	23 January 2018	26 January 2018
PR 2921 / 2922	Manila – Legazpi - Manila	24-25 January 2018	01 February 2018
PR 2927 / 2928	Cebu – Legazpi – Cebu	24-25 January 2018	02 February 2018
PR 2935 / 2936	Clark – Virac - Clark	24 January 2018	26 January 2018
PR 2621 / 2622	Clark – Masbate - Clark	24 January 2018	26 January 2018
PR 2965 / 2966	Clark – Naga – Clark	24 January 2018	26 January / 02 February 2018
PR 2921 / 2922	Manila – Legazpi - Manila	27-31 January 2018	01 February 2018
PR 2927 / 2928	Cebu – Legazpi – Cebu	27-31 January 2018	02 February 2018
<b>AirSwift (2)</b>			
T6 110	Manila – El Nido	24 January 2018	29 January 2018
T6 114	Manila – El Nido	24 January 2018	29 January 2018

Sources: MIAA, PAL, and Cebu Pacific

**PREPAREDNESS MEASURES AND EFFECTS OF MAYON VOLCANO ERUPTION**  
**COST OF ASSISTANCE**  
**As of 10 February 2018, 8:00 AM**

City / Municipality	Cost of Assistance											TOTAL	
	DSWD	DOH	OCD	LGUs	NGOs	DepED	DOLE	OP	DENR	PCSO	PRC		IOM
<b>GRAND TOTAL</b>	<b>₱34,386,336.72</b>	<b>₱36,423,855.36</b>	<b>₱8,911,336.67</b>	<b>₱48,812,425.36</b>	<b>₱20,761,907.44</b>	<b>₱16,758,370.00</b>	<b>₱30,000,000.00</b>	<b>₱70,000,000.00</b>	<b>₱538,164.00</b>	<b>₱5,000,000.00</b>	<b>₱10,557,224.20</b>	<b>₱8,100,000.00</b>	<b>₱290,249,619.75</b>
<b>ALBAY</b>													
PLGU Albay	₱13,553,128.72	₱6,358,904.00	₱1,548,149.80	₱20,374,457.50	₱20,302,281.44	₱11,993,270.00	-	₱70,000,000.00	₱514,664.00	₱5,000,000.00	₱10,557,224.20	₱8,100,000.00	₱168,302,079.66
PDRRMC Catanduanes		₱58,240.00											₱58,240.00
Bicol Regional Training and Teaching Hospital (BRTTH)	-	₱4,000,000.00		-	-								₱4,000,000.00
Mobilization of Teams	-	₱650,000.00	₱186,571.63										₱836,571.63
Josefina Belmonte Duran Memorial Hospital (JBDMH)		₱100,000.00											₱100,000.00
Ziga Memorial District Hospital (ZMDH)		₱100,000.00											₱100,000.00
Bicol Sanitarium		₱47,214.00											₱47,214.00
DepEd V			₱165,749.00										₱165,749.00
DOH V		₱12,087,215.10											₱12,087,215.10
DPWH V		₱494,760.00	₱90,000.00										₱584,760.00
Admin Cost							₱148,950.00						₱148,950.00
Drug, Medicines, Medical Supplies and other commodities (Camalig, Daraga, Tabaco City, Guinobatan, Sto. Domingo, Malilipot, Legazpi City, and Ligao City)		₱1,555,842.50											₱1,555,842.50
Bacacay	₱111,756.00	₱237,000.00	₱75,000.00	₱37,750.00	₱75,000.00		₱365,800.00						₱902,306.00
Camalig	₱2,860,272.00	₱1,679,160.75	₱921,273.78	₱3,094,490.00			₱4,596,100.00						₱13,151,296.53
Daraga	₱3,039,032.00	₱1,106,569.55	₱808,773.78	₱1,261,743.00			₱5,973,750.00						₱12,189,868.33
Guinobatan	₱2,624,256.00	₱1,765,280.87	₱883,773.78	₱1,477,160.00			₱7,159,650.00						₱13,910,120.65
Legazpi City (Capital)	₱3,157,000.00	₱1,823,384.15	₱921,949.78	₱11,264,442.50	₱20,640.00	₱173,060.00	₱3,979,550.00						₱21,340,026.43
Ligao City	₱1,099,872.00	₱896,966.98	₱808,773.78	₱1,174,015.36	₱2,000.00	₱2,004,740.00	₱2,357,050.00						₱8,343,418.12
Malilipot	₱1,963,280.00	₱498,167.45	₱808,773.78	₱1,228,367.00	₱258,940.00		₱601,800.00		₱12,500.00				₱5,371,828.23
Santo Domingo (Libog)	₱2,876,712.00	₱1,659,419.48	₱883,773.78	₱3,900,000.00	₱103,046.00		₱2,126,950.00		₱11,000.00				₱11,560,901.26
Polangui		₱14,386.88											₱14,386.88
Tabaco City	₱3,101,028.00	₱1,291,343.66	₱808,773.78	₱5,000,000.00			₱2,587,300.00	₱2,690,400.00					₱15,478,845.44

Sources: DSWD Dromic Report No. 40 on the Mayon Phreatomagmatic Eruption as of 08February 2018, 9PM, DOH HEARS and OCD RO V SitRep #48 as of 07 January 2018, 8PM