



REPUBLIC OF THE PHILIPPINES
NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

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

NDRRMC UPDATE

Final Report re Preparedness Measures and Effects for Tropical Storm (TS) "SARAH" (20 - 23 November 2019)

Releasing Officer:

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Executive Director, NDRRMC and
Administrator, OCD

Sources: DOST-PAGASA, DSWD, DOST, DILG, DOH, DENR-MGB, DPWH, DepEd, RDRRMCs I, II, CALABARZON, MIMAROPA, V, VIII, and CAR

I. SITUATION OVERVIEW

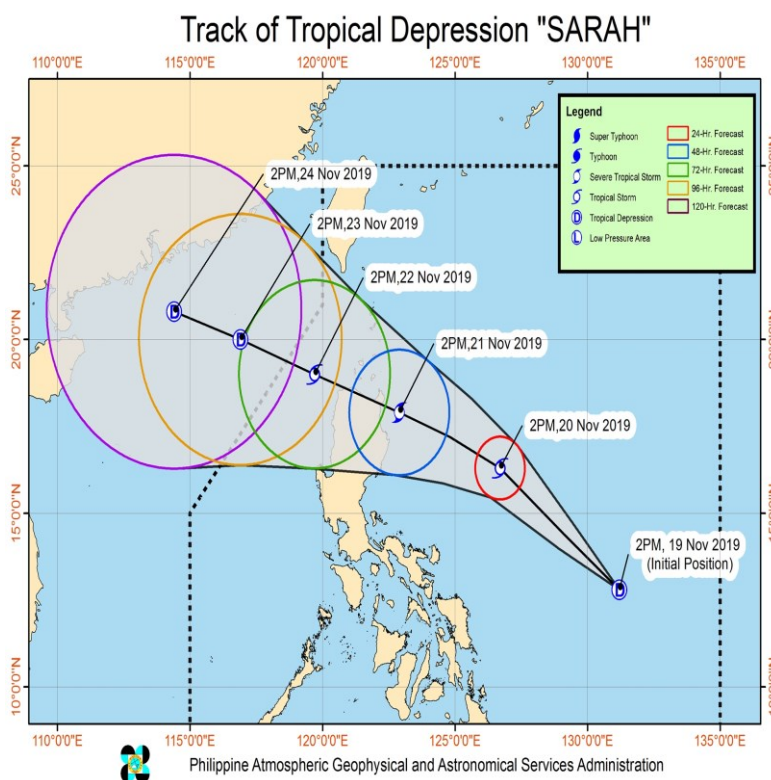
20 November 2019

At 4:00 PM, the center of Tropical Storm (TS) "SARAH" was estimated at 540 km East of Tuguegarao City, Cagayan (17.9 °N, 126.8 °E). Tropical Storm "SARAH" slightly accelerated while maintaining its strength. Tropical Cyclone Wind Signal (TCWS) #1 was raised over the Northeastern portion of Isabela and the Southeastern portion of Cagayan.

21 November 2019

At 4:00 AM, the center of Severe Tropical Storm "SARAH" was estimated at 425 km East Northeast of Aparri, Cagayan or 340 km East of Basco, Batanes (20.2 °N, 125.2 °E). "SARAH" intensified into a Severe Tropical Storm. Owing to changes on the forecast track of "SARAH", the Tropical Cyclone Wind Signal (TCWS) over mainland Cagayan was lifted. However, gusty conditions prevailed over the northern and western sections of Northern Luzon, especially in the coastal and mountainous areas due to the surge of the Northeast Monsoon.

At 4:00 PM, the center of Severe Tropical Storm "SARAH" was estimated at 255 km East of Basco, Batanes (20.7 °N, 124.4 °E). "SARAH" intensified further while moving



Northwestward over the Philippine Sea. Gusty conditions prevailed over the northern and western section of Northern Luzon, especially in the coastal and mountainous areas due to the surge of the Northeast Monsoon.

22 November 2019

At 4:00 AM, the center of Severe Tropical Storm "SARAH" was estimated at 345 km Northeast of Basco, Batanes (22.5 °N, 124.5 °E). "SARAH" weakened as it moved Northward towards the Southern Ryukyus. "SARAH" was no longer expected to bring significant rainfall activity over the country. All Tropical Cyclone Wind Signals were lifted. Gusts was still experienced over Batanes and Babuyan Islands due to the surge of the Northeast Monsoon. However, this condition was forecasted to gradually weaken throughout the day. It was forecasted to gradually weaken as it moves towards the East China Sea in the next 2 days.

23 November 2019

At 4:00 AM, the eye of TS "SARAH" was located at 700 km Northeast of Basco, Batanes (25.0 °N, 126.7 °E) with maximum sustained winds of 55 kph near the center, gustiness of up to 70 kph and slowly moving North. No Tropical Cyclone Wind Signal was raised. "SARAH" weakened into a Tropical Depression and remained at the northern boundary of the Philippine Area of Responsibility (PAR). "SARAH" was forecasted to exit the PAR in the next 6 hours. However, there remains a possibility that "SARAH" will weaken into a Low Pressure Area (LPA) before it leaves the PAR. Gale warnings across all seaboard of the country have been terminated due to the weakening of the Northeast Monsoon.

At 6:00 AM, "SARAH" exited the PAR and weakened into a Low Pressure Area (LPA) at 8:00 AM. Gale warnings across all seaboard of the country had been terminated due to the weakening of the Northeast Monsoon. At 10:00 AM, the LPA (formerly "SARAH") was estimated at 635 km North Northeast of Basco, Batanes (OUTSIDE PAR) (25.2°N, 125.4°E).

II. EFFECTS

A. Status of Lifelines

Status of Roads and Bridges (TAB A)

A total of 16 road sections were affected by TS "SARAH" in Regions II and CAR. As of 24 November 2019, 15 road sections were reported passable and 1 still not passable.

Source: DPWH

Sea Port

Lubang Port, Lubang Occidental Mindoro resumed operations on 22 November 2019.

Source: OCD MIMAROPA SitRep No 3 issued on 22 November 2019, 8:00 PM

B. Suspension of Classes

A total of 5 provinces in OCDROs II, III, and CAR declared suspension of classes on 21 November 2019 and resumed on 25 November 2019.

Sources: DepEd SitRep Nr 2 issued on 22 November 2019, 5:00 PM

REGION/PROVINCE/ CITY/MUNICIPALITY	REMARKS	DATE OF SUSPENSION	DATE OF RESUMPTION
Region II			
Cagayan	All Levels	21 November 2019	25 November 2019
Isabela	All Levels	21 November 2019	25 November 2019
Region III			
Nueva Ecija	Elementary	21 November 2019	25 November 2019

REGION/PROVINCE/ CITY/MUNICIPALITY	REMARKS	DATE OF SUSPENSION	DATE OF RESUMPTION
Pampanga	All Levels	21 November 2019	25 November 2019
CAR			
Kalinga	Secondary	21 November 2019	25 November 2019

C. Flooded Areas

A total of 7 areas were reported flooded in Naujan, Oriental Mindoro (MIMAROPA).

REGION / PROVINCE / CITY / MUNICIPALITY	AREA (BARANGAY / STREET NAME / SITIO)	WATER LEVEL (FT)	REMARKS
GRAND TOTAL	7		
MIMAROPA	7		
Oriental Mindoro	7		
Naujan	Andres Ylagan	Approximately 1.2 ft	No reported evacuees. On 22 November 2019, 7:00 PM floodwaters had subsided.
	Bancuro		
	Mabini		
	San Agustin 1		
	Nag-Iba II		
	San Carlos		
	Santiago		

Source: OCD MIMAROPA SitRep No. 3 issued on 22 November 2019, 8:00 PM

III. DISASTER PREPAREDNESS

A. NATIONAL DRRM COUNCIL (NDRRMC)

1. NDRRM Operations Center (NDRRMOC)

- Activated to Blue Alert Status and conducted monitoring of weather disturbance development. Ensures maximized coordination with concerned agencies and RDRRMCs / OCD Regional Offices.
- Facilitated the conduct of the Pre-Disaster Risk Assessment (PDRA) Meeting on 20 November 2019, 2:00 PM at the 3rd Floor NDRRMC Conference Room, New NDRRMC Bldg., Camp Gen. Emilio Aguinaldo, Quezon City.

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

Conducted provision of weather updates to concerned member agencies and local government units.

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

- Issued advisory to all DILG Regional Offices and Regional DRR-CCA Focal Persons on the development of a Low Pressure Area (LPA) into a Tropical Depression (TD).
- Issued advisory to all DILG Regional Offices and Regional DRR-CCA Focal Persons on TD "SARAH".
- Instructed all concerned DILG ROs to take proactive measures and ensure widest dissemination of advisories within their AOR.
- Provided information/advisories to all concerned DILG ROs and FOs on TD "SARAH" through texts and emails.
- Provided updates on weather alerts/advisories to all ROs and FOs.

4. Department of Social and Welfare Development (DSWD)

- a. Activated to Blue Alert Status.
- b. DSWD Central Office, Field Offices, and National Resource Operations Center (NROC) ensured the availability of stockpiles and standby funds amounting to **₱1,369,837,443.05**, with breakdown as follows:

Standby Funds

A total of **₱589,436,668.77** standby funds in the CO and FOs.

Stockpiles

A total of **306,006** Family Food Packs (FFPs) amounting to **₱116,117,670.78** and available Food and Non-Food Items (FNIs) amounting to **₱664,283,103.50**.

- c. National Response Operation Center prepositioned 10,000 sleeping kits to Field Office II, and 15,000 family food packs for delivery
- d. Placed all transport logistics assets on standby for handling/hauling of relief resources.

DSWD-DRMB

Placed all QRT members and emergency equipment on standby and ready for deployment.

5. Department of Health (DOH)

- a. Issued Weather Alert Memorandum to all Centers for Health Development (CHDs) and DOH Hospitals.
- b. Recommended all Health Emergency Response Teams (HERTs) on standby for deployment.
- c. Conducted monitoring and coordination with Local Government Units (LGUs) especially those in Geographically Isolated and Disadvantaged Areas (GIDA), RDRRMO, and other health partners and stakeholders.
- d. Prepositioned a total of **₱43,229,039.93** amount of logistics by the affected regions for its respective provinces prior to landfall. A total of **₱1,024,741.42** was mobilized by CHD I, II, V, and CAR in its respective provinces. Moreover, a total of **₱20,667,036.09** worth of commodities were available at the DOH Central Office warehouse.
- e. Monitored the weather disturbance.

6. DENR-Mines and Geosciences Bureau (MGB)

Provided the List of Barangays susceptible to landslide and flood.

7. Department of Education (DepEd)

- a. Monitored the reports of class suspension and resumption from Regions and Divisions.
- b. Disseminated weather advisories from DOST-PAGASA and preparedness measures to affected and exposed regions and divisions.
- c. Coordinated with Division Coordinators on reports of flooding incidents, schools used as evacuation centers, and other incidents related to TS "SARAH".
- d. Monitored schools used as evacuation centers.
- e. Monitored other possible effects of TS "SARAH" to provide necessary response interventions (e.g. temporary learning spaces and clean-up) to affected schools, as needed.

B. REGIONAL DRRM COUNCILS (RDRRMCs)

RDRRMC I, II, CALABARZON, MIMAROPA, V, VIII and CAR conducted monitoring of AOR, coordinated with its respective member agencies to ensure widest dissemination of updates and advisories through SMS, facsimile, and official social media websites.

1. RDRRMC I

Office of Civil Defense (OCD I)

- a. Attended PDRA Meeting with NDRRMC on 20 November 2019.
- b. Disseminated weather bulletins and other warnings to all stakeholders.
- c. Conducted monitoring of AOR and close coordination with RDRRMC1 Member-Agencies and Provincial DRRM Councils.
- d. Issued RDRRMC1 Memorandum No. 171, s. 2019 re Sustained Blue Alert Status for TS Sarah and 30th SEA Games.

Department of the Interior and Local Government (DILG) I

- a. Disseminated advisories, critical cyclone track charts, and MGB list of LGUs prone to landslide to the provinces.
- b. Activated DILG Regional Monitoring and Reporting.

Department of Social Welfare and Development (DSWD) I

- a. DSWD Field Office 1 closely monitored the weather situation and coordinated with the Social Welfare and Development (SWAD) Team Leaders, Provincial/City/Municipal Disaster Risk Reduction and Management Councils (P/C/MDRRMCs) and Provincial/City/Municipal Social Welfare and Development Offices (P/C/MSWDOs) for any significant updates.
- b. Prepared Quick Response Fund (QRF) amounting to ₱2,379,275.00 for disaster operations use.
- c. Prepositioned 14,303 Family Food Packs (FFPs) amounting to ₱5,178,166.58 at different strategic locations.

Department of Health (DOH) I

- a. Activated the Operation Center on 24/7 basis.
- b. Conducted coordination with the four (4) Provincial DOH Office Operations Center and other concerned agencies.
- c. Activated the Code Alert Status and Contingency Plan as needed.
- d. Prepositioned drugs and medicines at the Provincial DOH amounting to ₱3,232,278.06.

Department of Public Works and Highway (DPWH) I

- a. Activated the DPWH Regional Office 1-Emergency Operations Center manned by RDRRM team and Emergency Brigade Team.
- b. Implemented the Department Order No. 15, s. 2014 re "Guidelines to ensure Disaster preparedness of DPWH Field Offices in promptly responding to typhoons and calamities including criteria in the release of calamity funds".
- c. Placed all maintenance crew on standby for any emergency response as needed.

North Luzon Command (702nd IB, 81st IB, TOG1, NFNL)

Placed resources on-standby and ready for deployment.

Police Regional Office (PRO) I

- a. Activated the Respective DIMTG as the situation may require.
- b. Coordinated with local DRRMCs.

- c. Reminded all responders to secure/evacuate its respective families to safe area before disaster strikes.
- d. Strengthened resilience of emergency telecommunications.
- e. Ensured readiness of the SRR equipment and supplies to support operational requirements.
- f. Prepositioned Search and Rescue Assets and personnel at the evacuation centers.
- g. Provided police assistance in the evacuation of affected residents in coordination with LGU.

Bureau of Fire Protection (BFP) I

- a. Activated the Alert status to BLUE.
- b. Placed personnel on standby and ready for deployment.
- c. Placed all Fire Stations on standby to respond to any untoward incident.
- d. Monitored low-lying bridges and flood-prone areas.
- e. Placed Fire Station personnel in close coordination with MDRRMO, PNP and other support groups.

Coastguard District Northwestern Luzon

- a. Disseminated weather forecasts to all CG Stations and Sub-Stations.
- b. CG Stations and Sub-stations alerted the communities near the shorelines within its respective AOR's for possible storm surges.
- c. Updated inventory of equipment to be utilized.
- d. Ensured readiness of all floating assets and land assets for possible responds
- e. Implemented NHQ-PCG/CG-3 LOI Nr. 0619-023 "OPLAN KAHANDAAN for Typhoon Season 2019".

Philippine Information Agency I

- a. Sustained information dissemination through all means of communication especially social media.
- b. Developed press release for the public.

Philippine Red Cross I

- a. Activated the chapter response system.
- b. Activated the Emergency Communication Center and established communication/coordination link with PRC NHQ Operation Center
- c. Coordinated with local Partners.
- d. Checked and inspected readiness, and operational status of response.

PDRRMCs Ilocos Norte

- a. Conducted monitoring AOR.
- b. Coordinated with C/MDRRMOs situation within its AOR.
- c. Placed resources on standby and ready for deployment.
- d. Placed the Incident Management Team on standby for possible deployment.
- e. Conducted Pre-Disaster Risk Assessment (PDRA) Meeting.
- f. Prepositioned resources to include dump trucks, rubber boats, evacuation centers, ambulances, food packs, relief goods, medicines, SAR Teams, personnel and other resources; and monitored flood, landslide and storm surge risk areas.
- g. Coordinated with all C/MDRRMOs to take all necessary precautions, preparations and regularly monitor weather updates.
- h. Monitored the health condition of vulnerable groups especially the senior citizens, PWDs, pregnant women and children.

- i. Advised all residents to limit outside exposure (only when necessary) and stay indoors during strong winds, heavy downpour, and thunderstorms accompanied by lightning.
- j. Advised all farmers to immediately harvest all matured *palay*.
- k. Advised C/MDRRMOs to prepare animal shelters in safe areas and fisherfolks not to venture out to the sea.
- l. Inspected critical waterways; rivers, creeks, irrigation canals, drainage system and immediately clear such of debris and any obstruction.
- m. Conducted inspection of Evacuation Centers to ensure functionality.

PDRRMCs Ilocos Sur

- a. Conducted monitoring AOR.
- b. Coordinated with C/MDRRMOs regarding the situation within its respective AOR.
- c. Placed resources on-standby and ready for deployment.
- d. Placed Incident Management Team on standby for possible deployment.
- e. Retained Blue Alert Status in the Province of Ilocos Sur re: Tropical Storm "SARAH" for close monitoring of the current weather system and ensure prompt coordination with the concerned agencies and offices and for timely dissemination of warnings/advisories to the public.
- f. Prepositioned WASAR and USAR equipment, and rescue vehicles for emergency purposes.
- g. Advised all C/MDRRMOs to closely monitor its respective AOR.
- h. Disseminated weather updates through text/email/social media issued by the PAGASA.

PDRRMCs La Union

- a. Conducted monitoring within AOR.
- b. Coordinated with C/MDRRMOs regarding the situation within its respective AOR.
- c. Placed resources on-standby and ready for deployment.
- d. Placed the Incident Management Team on standby for possible deployment.

PDRRMCs Pangasinan

- a. Disseminated warnings, advisories, and bulletins as well as monitored the AOR.
- b. Coordinated with C/MDRRMOs regarding the situation within its respective AOR.
- c. Placed resources on-standby and ready for deployment.
- d. Placed Incident Management Team on standby for possible deployment.
- e. Conducted PDRA on 14 November 2019
- f. Activated the Blue Alert Status in the province of Pangasinan.
- g. Placed PNP personnel on standby for deployment.
- h. PIO conducted posting relative to class suspension updates and weather condition in official Facebook Page of Province of Pangasinan.
- i. Alerted all personnel and response teams, coordinated with respective BDRRMCs, and conducted preparatory activities.
- j. Prepositioned one (1) strike team from BFP and two (2) teams from GSO on standby for possible clearing operations.
- k. Prepositioned 10 dump trucks from PEO on standby for possible pre-emptive evacuation assistance and designated one (1) personnel to IMT.

- l. Prepositioned two (2) Platoons from AFP, one (1) Public Health Office, and one (1) PCG Team for deployment.
- m. Prepositioned two (2) PSWDO Teams on standby for possible relief operations and updated stockpiling of FNFI.
- n. Prepositioned one (1) team from the Provincial Information Office (PIO) on standby for media coverage and response operation documentation.

2. RDRRMC II

OCD II

- a. Activated the Red Alert Status of the Operations Center.
- b. Prepositioned response asset in strategic areas.

DSWD II

Prepared Family Food Packs for distribution to affected families.

DILG II

Disseminated Memorandum to all LGUs to establish critical preparedness actions based on Operation LISTO protocol.

DPWH II

- a. Prepositioned clearing equipment in strategic locations
- b. Conducted monitoring of all road networks in the region.

DOH II

- a. Activated code Blue in the region.
- b. Prepositioned drugs, medicines, and other HEM related logistics to the different PDOHOs in the region.
- c. Provided medicines to PNP personnel deployed in areas with TCWS.

Armed Forces of the Philippines - 17th IB, 51D

- a. Deployed AFP personnel in Strategic locations within Cagayan Province.
- b. Placed Response Team on standby.

BFP II

- a. Placed all operating units within AOR on heightened alert.
- b. Placed the Special Rescue Unit and Emergency Medical Service of the Regional Offices on standby/ ready to respond to any eventualities.
- c. Advised all Provincial/City/Municipal Fire Stations/Offices to coordinate with its respective LDRRMCs.

PCG – Coast Guard North Eastern Luzon (CGNELZ)

- a. Conducted monitoring of AOR.
- b. Provided logistical support in areas needing assistance in pre-emptive evacuation.

PNP-PRO II

- a. Conducted close coordination with its respective LGUs.
- b. Deployed 189 SAR personnel to areas affected by the typhoon, 81 personnel in different evacuation centers, and 2,000 SAR personnel on standby for deployment.

3. RDRRMC CALABARZON

OCD CALABARZON

- a. Participated in PDRA Meeting of NDRRMC through teleconference.
- b. Coordinated with the RDRRMC CALABARZON member agencies and PDRRMOs for Preparedness Measures and monitoring.
- c. Disseminated Weather Bulletins, Gale Warning, Rainfall Warning Advisories, and weather forecasts to all PDRRMOs through e-mail.

DILG CALABARZON

- a. Disseminated advisories to all Local Government Units.
- b. Conducted monitoring of updates from PAGASA.
- c. Monitored preparedness action of CALABARZON LGUs.

DSWD CALABARZON

- a. Prepared 6,405 family food packs available in GMA warehouse amounting to ₱2,264,433.70 while a total of 246,567 raw materials/unpacked goods amounting to ₱3,187,954.80 was available for repacking.
- b. Ensured Non-Food Items amounting to ₱6,715,203.91 made available for augmentation for the LGUs of the Region in need.
- c. Ensured the availability of standby fund amounting to ₱1,785,325.00 earmarked for augmentation in response operation.
- d. Placed the Regional and Provincial Quick Response Team (QRT) members on standby alert mode status and ready for mobilization when need arises.
- e. Activated the Emergency Operations Center to monitor the possible effects of TS SARAH.
- f. DRMD conducted constant coordination with the Local Social Welfare and Development Officers (LSWDOs) with pre-disaster assessments done.
- g. DRMD conducted close coordination with the Local Government Units (LGUs) with regards to preparedness efforts undertaken in the flood, landslide and storm surge-prone areas.

PIA CALABARZON

Gathered weather-related SitReps from LGUs, local DRRMCs, information and development communication networks and the communities on the ground for posting on social media pages.

PDRRMO Cavite, Laguna, Batangas, Rizal and Quezon

- a. Conducted monitoring of weather systems and prepositioned response assets in its respective AOR.
- b. Disseminated weather bulletins and other information to its stakeholders.
- c. Conducted coordination with PDRRMCs, concerned agencies regarding situations within localities.

4. RDRRMC MIMAROPA

OCD MIMAROPA

- a. Activated to Blue Alert Status on 14 November 2019 to ensure seamless and effective multi-agency coordination for potential effects brought by Tropical Storm "Sarah".
- b. Prepositioned Non-Food Items (NFIs) to augment relief and response operations of LGUs.
- c. Deployed personnel in flood-prone areas within Occidental Mindoro to augment flood rescue capability.
- d. Issued Memorandum No. 046, s. 2019 to Chairperson of P/C/MDRRMCs re Conduct of PSRA for Tropical Storm "Sarah".
- e. Conducted Rigid Hull Inflatable Boat testing and orientation of watchman prior to prepositioning in the Province of Occidental Mindoro.
- f. Issued Memorandum to Chairpersons P/C/MDRRMCs re maintaining of Blue alert status due to TS "SARAH".

DILG MIMAROPA

- a. Informed all concerned DILG personnel and DRR Provincial Focal Persons of the weather updates from DILG Central Office Disaster Information and Coordinating Center (CODIX).
- b. Disseminated weather advisory of the DILG Central Office to all provinces, municipalities down to Barangay level.
- c. Advised LGUs through DILG Field Officers, to monitor the PAGASA weather advisories and bulletins, establish critical preparedness actions based on Operations LISTO Protocol and prioritize prepositioning of supplies and equipment for response.

DSWD MIMAROPA

- a. Alerted all P/C/M QRT in the five (5) provinces of MIMAROPA to regularly monitor the situation within its respective areas.
- b. Placed on-call status of the R/P/C/M Quick Response Team together with special projects for the possible activation of Operation Center.
- c. Conducted close coordination with the Office of Civil Defense (OCD) and RDRRMC MIMAROPA for warning signal updates and monitoring purposes and response mechanism for affected areas.
- d. Placed logistical equipment and workforce on standby through coordination with SWADT Offices and concerned LGUs on the management of possible stranded passengers.
- e. Placed Information and Communication Technology Management Unit (ICTMU) on standby status to ensure robust communication system.
- f. Placed all members of the Rapid Emergency Telecommunications Team on on-call and standby status for deployment, when needed.
- g. DSWD FO MIMAROPA has a total stockpiles and standby funds amounting to ₱27,425,759.61, with breakdown as follows:

Stockpiles

A total of 29,087 Family Food Packs (FFPs) amounting to ₱12,158,366.00 and available Food and Non-food Items (FNIs) amounting to ₱12,220,671.03.

Standby Funds:

A total of ₱3,046,722.58 standby funds.

DOH MIMAROPA

- a. Prepared the Code Alert Memo in the DOH Regional Office, Provincial DOH Retained Hospitals through the Health Emergency Response Cluster and Operations Center.
- b. Activated the Emergency Operations Center (EOC) on 24/7 basis and manned by Emergency Officers on Duty.

DPWH MIMAROPA

- a. Placed the Disaster Risk Reduction Management Teams of the District Offices on standby for any eventuality that may arise re TD Sarah.
- b. Activated the Disaster Operations Center.
- c. Prepositioned assets and resources for response operations.

PCG SOUTHERN TAGALOG AND DISTRICT PALAWAN

- a. Advised all PCG units to ensure strict implementation of HPCG Memorandum Circular Number 02-13 (Guidelines on Movement of Vessels during Heavy Weather).
- b. Ensure close coordination with other government entities and NGO's involved in disaster response operations such as the local units of the

Philippine Navy, Philippine Air Force, Philippine Army, Philippine National Police, Local DRRMO's, Philippine Red Cross and PCG Auxiliary.

- c. Ensured equitable deployment of CG K9s to CG Districts/stations/Sub-Stations according to peculiar needs of each AOR.
- d. Implemented the 24/7 operations of office to ensure direct communication lines with PCG command Center and report all incidents in real time and provide regular updates regarding the status of the incidents through SMS.
- e. Ensured prompt dissemination of weather bulletins to all CGDSTL &CGDPAL Stations/ Sub-stations and coordination with concerned agencies in cases of maritime incident and natural calamities, such as flooding, as necessary.
- f. Placed Deployable Response Groups (DRGs) on standby.

BFP MIMAROPA

- a. Conducted coordination with LGUs, NGOs, and other government agencies to support the operational activities.
- b. Placed all SRR, trucks and response asset readily available when needed.
- c. Activated the Disaster Response Team.

POLICE REGIONAL OFFICE (PRO-MIMAROPA)

- a. Alerted all Police Provincial Office and its lower units to conduct situation monitoring in its respective AORs.
- b. Directed all members of the Regional Headquarters and Regional Mobile Force Battalion SAR Team on standby for any possible Search and Rescue Operations.

DepEd MIMAROPA

- a. Disseminated weather advisories and information to increase awareness among schools.
- b. Coordinated to the RO-SDO-School Coordinators re preparedness measures to be employed.
- c. Reiterated guidelines on appropriate actions for class suspension and use of school as Evacuation Centers.

PDRRMC Marinduque

- a. Coordinated with MDRRMCs relative to its Preparedness Measure.
- b. Coordinated with PCG, PPA, and PNP Maritime regarding inbound and outbound of passengers and vehicles in different ports and possible cancellation of sea travel.
- c. Prepositioned Search and Rescue equipment, WASAR Team, vehicles, and heavy equipment for deployment.
- d. Placed PNP personnel and vehicles on standby.

MDRRMC Boac, Marinduque

- a. Conducted monitoring of weather updates from PAGASA.
- b. Updated all text brigade to Punong Barangays.
- c. Disseminated weather advisories through social media.
- d. Prepositioned food and non-food items.

MDRRMC Buenavista, Marinduque

- a. Monitored weather updates and advisories.
- b. Broadcasted Weather bulletins via FM Station-Radio Kamalindig.
- c. Disseminated weather advisories to 15 BDRRMCs via SMS and Social Media.
- d. Conducted hourly monitoring of accumulated rainfall via CBFEWS Digital Rain gauges.

- e. Conducted ocular inspection of rivers.
- f. Prepositioned food and non-food items
- g. Prepositioned SRR equipment, communication, and heavy equipment.

MDRRMC Gasan, Marinduque

- a. Prepositioned 30 sacks of rice, medicines, and medical supplies.
- b. Placed Search and Rescue Team, Medical Health Team, and response assets on standby for possible deployment.

MDRRMC Mogpog, Marinduque

- a. Monitored weather updates and advisories.
- b. Disseminated weather advisories to Barangay Captains via SMS and Social Media.

PDRRMC Romblon

- a. Alerted Local DRRMOs and LGUs for the conduct of PDRA Meeting to discuss preparedness measure and plans.
- b. Alerted Rescue Teams and accredited local volunteers.
- c. Facilitated the procurement of additional goods for stockpiling.
- d. Advised LGUs to monitor weather updates from PAGASA.
- e. Activated Blue Alert status.

PDRRMC Oriental Mindoro

- a. Conducted monitoring of daily weather.
- b. Coordinated with MDRRMOs of weather status and untoward incident.
- c. Coordination with Galing at Serbisyo para sa Mindoreño Action Center for untoward incident.

LDRRMC Oriental Mindoro

- a. Conducted monitoring of daily weather.
- b. Placed duty personnel on standby.

5. RDRRMC V

OCD V

- a. Conducted Regional Pre-Disaster Risk Assessment (PDRA) Meeting on November 18, 2019.
- b. Activated the RDRRMC-BICOL EOC.
- c. Coordinated with PDRRMOs and NGAs for preparedness activities for TD SARAH.
- d. Coordinated with PAGASA Southern Luzon and MGB V.
- e. Placed radio communications and satellite phones on standby.
- f. Provided logistical requirements of Response teams on standby.
- g. Disseminated Weather Advisory through SMS Text Blast, and Facebook; and MGB List of Susceptible Areas for Landslide and Flooding to the six (6) Provincial DRRMOs.
- h. Ensured the availability of Food and Non-Food Items for augmentation to LGU.
- i. Placed all RDRRMC-Response Group (Health, SRR, QRT, RETT, LOGISTICS, CLEARING) and different substations of RDRRMC-BICOL member agencies on standby.

PROVINCIAL/MUNICIPAL/CITY DRRMCS

- a. Activated the EOC and manned on a 24/7 basis for monitoring and possible deployment of response assets.
- b. Conducted monitoring and updates of the weather disturbance.
- c. Disseminated relative information and updates obtained from PAGASA.

- d. Coordinated with Council Members for possible implementation of appropriate contingency plans.
- e. Disseminated information and weather advisory regarding TS “SARAH” to PDRRMC Member/LDRRMOs, public, and concerned person through social media.

6. RDRRMC VIII

OCD VIII

- a. Conducted monitoring of weather condition.
- b. Conducted coordination with the P/C/ MDRRMO/Cs.

DSWD VIII

- a. Alerted and advised SWAD Teams and DRMD-PDOs assigned at the province to closely coordinate with P/C/MSWDOs and/or P/C/MDRRMOs and immediately report eventualities that may arise.
- b. Alerted all Quick Response Team (QRT) members and Disaster Response Management Division (DRMD) in case there is a need for them to render 24/7 duty.
- c. Monitored weather condition and coordinated with SWADTs, QRTs and PDOs for any incident reports.
- d. Alerted the Regional Resource Operation Section (RROS) to ensure the readiness of dispatching Food and Non-Food commodities.
- e. Prepositioned a total of ₱3,775,235.00 stand by funds.
- f. Available food items placed on standby; 18,971 Family Food Packs, NFA rice, 50kg (396 sacks), 45,281 corned beef loaf, 3-in-1 coffee (200,036 sachets), and corned beef, 150g (43,777 tins).
- g. Available non-food items placed on standby such as 9,689 pcs blanket, 19 pcs mosquito nets, 11,659 pcs malong, 220 packs sleeping kits, and 249 sets kitchen sets.

DILG VIII

- a. Issued Advisory to Local Government Units.
- b. Conducted monitoring of present weather condition and situation.
- c. Conducted coordination with the P/C/ MDRRMO/Cs through the MLGOOs.

DOH VIII

- a. Conducted close monitoring of health related events in the region.
- b. Placed the Incident Management Team on standby.
- c. Activated the Operations Center.
- d. Ensured the availability of vital logistics such as drugs, medicines, supplies and equipment.
- e. Prepositioned assorted medicines amounting to ₱1,161,295.23.
- f. Prepositioned six (6) PDOH Offices amounting to ₱2,278,290.96.
- g. Prepositioned DOH EV-CHED Response Team on standby.

DTI VIII

- a. Monitored prices and supply of basic and prime commodities in cities and capital towns in the region including major trading centers and inventory level of suppliers in the area.
- b. Alerted DTI respective Provincial Office by forwarding to them TD SARAH on Advisory of OCD-8/RDRRMC.

PNP Police Regional Office VIII

- a. Activated PRO 8 Disaster and Preparedness Plan.
- b. Conducted inventory of equipment, manpower, and resources.

- c. Conducted coordination and networking with LDRRMC/Os and other stakeholders in the region.
- d. Placed Disaster Response Teams (DRTs) on standby in the region for any possible deployment.

Philippine Coastguard VIII

- a. Disseminated weather updates to EV-Stations and Sub-Station.
- b. Directed activation of all EV-Stations and Sub-Stations QRT and on standby for possible emergency response.
- c. Conducted monitoring of the TS “SARAH” location/movement and Stations/Sub-Stations Situations.
- d. Ensured strict implementation of HPCG Memorandum Circular Number 02-13 (Guidelines on Movement

8th Infantry Division, Philippine Army VIII

Placed Disaster Response Teams (DRTs) on standby for any possible deployment.

Philippine Air Force VIII

- a. Alerted the DRTU and placed on standby alert.
- b. Continuous monitoring of weather condition.

PDRRMC-Northern Samar

- a. Conducted dissemination of the weather bulletin via social media, text brigade, and email.
- b. Placed PDRRMO Operations and Warning on standby for continuous monitoring.
- c. Prepositioned communication support on standby.
- d. Conducted coordination with PAGASA for weather updates.
- e. Conducted monitoring and coordination with the MDRRMOs for situational reports and untoward incidents in its respective AORs related to weather disturbance.
- f. PDRRMO Staff on duty at 24/7.

PDRRMC-Eastern Samar

- a. Advised LGUs through the MDRRMOs to be on alert status and continuous monitoring.
- b. Activated the Early Warning System.
- c. Activated the Operations Center.
- d. Placed Emergency Response Team (ERT) Members on on-call status.

PDRRMC-Southern Leyte

- a. Conducted monitoring of weather condition.
- b. Provided update to PDRRMC members, DRRMOs and Mayors through radio communication, messenger group chat, through internet and text messages.

PDRRMC-Leyte

- a. Conducted monitoring of rainfall and water levels in the different stations.
- b. Activated the interoperability communication and response networks.
- c. Disseminated information/advisories to the LGUs and agencies concerned through messenger and text blasts.
- d. Disseminated advisories to frontline service departments in Provincial Government of Leyte.
- e. Placed 24/7 Search and Rescue Team on stand-by.

- f. Prepositioned heavy equipment per district offices such as dump trucks, dozer, excavator, and JCB-9 in 1).
- g. Prepositioned goods in PSWD Office.

CDRRMC-Borongan City

- a. Disseminated weather updates through texts to Barangay Captains, LGU, Head of Offices, and Academe.
- b. Ensured availability of equipment, vehicles, supplies and materials.

7. RDRRMC CAR

OCD CAR

- a. Issued Cordillera RDRRMC Memorandum No. 84, s. 2019 re Maintaining the Red Alert Status of Cordillera RDRRMC EOC for Preparedness measures for the Possible Effects of Tropical Depression “SARAH”.
- b. Issued Public Advisories, Weather Forecast, Severe Weather Bulletins, General Flood Advisories.
- c. Conducted PDRA Teleconference Meeting.
- d. Placed logistical assets on standby for possible augmentation to disaster operations.
- e. Disseminated weather forecast, advisories, warnings, preparedness and safety tips and memoranda to all stakeholders thru all means of communications for STS “SARAH”.
- f. Activated the Emergency Operations Center (EOC)

DSWD CAR

- a. DSWD Field Office Cordillera Administrative Region (FOCAR) and Regional Resource Operations Section (RROS) and Satellite Warehouses prepared a total stockpiles and standby funds due to TS “SARAH” and TY “RAMON” amounting to ₱30,518,553.01 with breakdown as follows:

Standby Funds

A total of ₱2,097,450.90 standby funds in the Field Office.

Stockpiles

Family Food Packs (FFPs) amounting to **₱4,908,534.66**, other food items amounting to **₱3,486,066.96**; and non-food Items (NFIs) amounting to **₱20,025,500.49**.

Moreover, a total of 1,813 pcs available Food and Non-Food Items situated in the LGU warehouses.

- b. Operations Center raised the alert level to RED in accordance to the alert level status of Cordillera Regional Disaster Risk Reduction and Management Council (CRDRRMC).
- c. Alerted the Municipal Action Teams and Rapid Emergency Telecommunications Team (RETT) including the INMARSAT equipment are on standby for possible deployment.
- d. Alerted personnel to render 24-hour duty at RDRRMC EOC.

DOST CAR

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

PAGASA Baguio Synoptic Station

Conducted monitoring of the AOR and provided weather updates or forecast for dissemination.

DILG CAR

- a. Conducted monitoring on the preparedness measures or activities of LGUs.
- b. Disseminated updates from warning agencies like PAGASA, MGB, and others.
- c. Conducted facilitation on the use of Oplan LISTO manuals by the LGUs/LCEs.
- d. Disseminated to LGU's through MLGOOS the latest public weather advisory.
- e. Activated the Regional Disaster Monitoring and Reporting Systems.

PNP Police Regional Office – Cordillera (PNP PROCOR)

- a. Placed personnel and capabilities/resources on standby and heightened alert.
- b. Prepared the inventory of Search and Rescue (SAR) equipment.
- c. Disseminated memorandum to lower units to coordinate with its respective local MDRRMCs.
- d. Conducted provision of updates to RDRRMC EOC.

BFP CAR

- a. Placed on heightened alert and continuous monitoring the AOR.
- b. Placed personnel and capabilities/resources are on standby ready for deployment.
- c. Placed on-call anytime to extend assistance or response in case of emergencies and other eventualities.

AFP

- a. Placed on heightened alert and continuous monitoring of the AOR.
- b. Placed 503rd IBde, 5th ID, PA; TOG 1-PAF; PMA-DRTG, and 14th CAR RCDG ARESKOM on standby for possible deployment for response or augmentation.

Commission on Higher Education – CAR (CHED-CAR)

- a. Advised delegated safety officers in different colleges or universities to conduct safety inspection such as electrical and structural integrity.
- b. On-stand by for possible monitoring of class suspensions.

DOH CAR

- a. Conducted provision of HEARS Field Report.
- b. Placed Health Emergency Response Team (HERT) on standby.
- c. Prepositioned drugs and medicines in the Provincial DOH Offices.
- d. Placed Operations Center functional 24/7 for proactive monitoring of health hazards.
- e. Placed Medical Assistance for Indigent Patients (MAIP) funds available in DOH Retained Hospitals including Benguet General Hospital for victims of any disaster.

Department of Environment and Natural Resources-CAR

- a. Conducted monitoring of trees (dead or alive) posing danger for possible pruning/cutting.
- b. In close coordination with its local counterparts, electric cooperatives, and other stakeholders for monitoring and possible augmentation.

DepEd CAR

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

Department of Tourism – CAR

- a. Conducted dissemination of public travel advisories.
- b. Conducted monitoring of tourist activities.

National Telecommunications Commission – CAR

- a. Placed on standby for possible augmentation.
- b. Placed communication groups on standby for possible mobilization.

Department of Agriculture– CAR

Placed available resources/buffer stocks on standby at the region for early recovery.

PDRRMC-ABRA

- a. Conducted monitoring of AOR.
- b. Placed personnel and capabilities/resources on standby.
- c. Downgraded to White Alert Status on 22 November 2019, 8:00 AM.

PDRRMC-BENGUET and KALINGA

- a. Conducted monitoring of AOR.
- b. Activated to Blue Alert Status.
- c. Placed personnel and capabilities/resources on standby.

PDRRMC-APAYAO

- a. Conducted monitoring of AOR.
- b. Activated to Blue Alert status on 22 November 2019, 6:00 AM.
- c. Placed personnel and capabilities/resources on standby.

PDRRMC-MOUNTAIN PROVINCE

- a. Conducted monitoring of AOR.
- b. Activated to Blue Alert status effective 14 November 2019, 3:00 PM.
- c. Placed personnel and capabilities/resources on standby.

MDRRMC Mountain Province

- a. Activated to Blue Alert status.
- b. Conducted monitoring of AOR.
- c. Conducted community risk assessment on their hazards prone areas.

PDRRMC-IFUGAO

- a. Conducted monitoring of AOR.
- b. Activated Blue Alert status on 22 November 2019, 6:00 AM.
- c. Placed personnel and capabilities/resources on standby.

MDRRMC Ifugao

- a. Activated to Red Alert status.
- b. Conducted monitoring of AOR.

CDRRMC BAGUIO

- a. Conducted monitoring of AOR.
 - b. Placed personnel and capabilities/resources on standby.
 - c. Downgraded to White Alert Status on 22 November 2019, 3:00 PM.
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Effects of Severe Tropical Storm "SARAH"

ROADS AND BRIDGES

20 - 23 November 2019

ROAD SECTION / BRIDGE		STATUS	REMARKS
REGION II			
CAGAYAN			
Cagayan 2nd DEO	Itawes Bridge I, K0519+(-1044) along Cagayan-Apayao Road	Not passable	Installed warning signs on both approaches Alternate Route: Jct. Lakambini KM 509+500, Cagayan - Apayao Road - Naruangan - San Luis (Provincial Road)
CAR			
APAYAO 2nd DEO			
Claveria - Calanasan - Kabugao Road	K678+210-K678+240, Baduang, Calanasan, Apayao	Passable	Reported one lane passable as of 22 November 2019, 6:06 PM Conducted clearing operations by DPWH
	K704+623-K704+643, Ninoy Section, Calanasan, Apayao	Passable	Reported passable as of 22 November 2019, 6:06 PM Conducted clearing operations by DPWH
Apayao (Calanasan)-Ilocos Norte Road	K0619+220 - K0619+270, Sadel Section, Calanasan, Apayao	Passable	Reported passable as of 22 November 2019, 6:06 PM Conducted clearing operations by DPWH
	K0620+010-K0620+040, Sadel Section, Calanasan, Apayao		
	K0623+315-K0623+345, Sadel Section, Calanasan, Apayao		
IFUGAO 2nd DEO			
Banaue - Mayoyao - A. Lista - Isabela Bdry. Road,	K0384+160, Chumang, Mayoyao, Ifugao	Passable	Reported passable as of 23 November 2019, 7:49 AM Conducted clearing operations by DPWH
LOWER KALINGA DEO			
Tabuk - Banaue Road	K0540+000 - K0540+015, Lubo, Tanudan, Kalinga	Passable	Reported passable as of 22 November 2019, 6:00 AM Conducted clearing operations by DPWH
Balbalan - Pinukpuk Road,	K0516+350 - K0516+370, Taga, Pinukpuk, Kalinga	Passable	
	K0522+550 - K0522+560, Capegan Section, Pinukpuk, Kalinga	Passable	
UPPER KALINGA DEO			
Balbalan - Pinukpuk Road	K0480+297	Passable	Reported passable as of 23 November 2019, 7:49 AM Conducted clearing operations by DPWH
Lubuagan - Batong Buhay Road	K0474+970	Passable	Reported passable as of 23 November 2019, 7:49 AM Conducted clearing operations
MT. PROVINCE 2ND DEO			
Junction Talubin-Barlig-Natonin-Paracelis-Calaccad Road	K0396+080 - K0396+090, Gawana, Barlig	Passable	Reported passable as of 22 November 2019, 6:06 PM Coordinated with LGU for clearing operations
	K0429+800 - K0429+810, Tonglayan, Natonin	Passable	Reported passable as of 22 November 2019, 6:06 PM Conducted clearing operations by DPWH
	K0433+400 - K0433+430, Pudo, Natonin	Passable	Reported passable as of 22 November 2019, 6:06 PM Conducted clearing operations by DPWH
	K0435+700 - K0435+740, Sta. Isabel, Natonin	Passable	Reported passable as of 22 November 2019, 6:00 AM Conducted clearing operations by DPWH

Source: DPWH