



OFFICE OF CIVIL DEFENSE REGIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL MIMAROPA

# CONTINGENCY PLAN FOR EL NIÑO

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OFFICE OF CIVIL DEFENSE

REGIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNC









As the Chairperson of the Regional Disaster Risk Reduction and Management Council (RDRRMC) MIMAROPA, I would like to express my sincerest gratitude to the participating RDRRMC member sharing your time and knowledge in completing this Contingency Plan for El Niño. Thank you very much for your continuous support to our DRRM endeavors.

Being an archipelagic Region composed of island provinces, cities and municipalities including Brgys where most of the agricultural products like cashew, rice and other high value crops including marine life is abundant, we are the most affected Region when severe or extensive El Niño will occur that results in financial Losses in production of crops, dairy and livestock, timber and fisheries, damage to ecosystems, decline in food production, unemployment increases as drought affected production declines

This El Niño can have a negative effect to the economy of the MIMAROPANs. It can hurt households because more than 20% of the local labor force relies on agriculture, which is vulnerable to drought. The occurrence of El Niño for the past years reduced rice production by 22015 and affected the electricity supply since some power plants depend on dams.

As climate change intensifies, El Niño effects will likely worsen and harm livelihood. As such we must learn how to prepare and cope with this phenomenon, and this is the main reason why we need to craft this Contingency Plan for EL Niño due to the predicted El Niño phenomenon up to the 1st quarter of 2024

As disaster risk reduction managers, it is our ultimate goal to lessen or minimize the effects of El Niño in our Region. We need to work together, cooperate, and coordinate with each other and our partners—especially the RDRRMC member-agencies and LGUs of MIMAROPA to ensure the proper implementation of this Contingency Plan.

That being said, allow me again to thank you all as we enjoin everyone for their continuous active participation and hard work in the endeavors of OCD-RDRRMC MIMAROPA resulting in this Contingency plan for El Niño among our significant accomplishments.



A hearty congratulations to the MIMAROPA Regional Disaster Risk Reduction and Management Council for working together towards our region's resiliency.

RMC

As the frequency and severity of natural disasters in MIMAROPA have increased in recent years, local and national efforts on disaster risk reduction are ever- growing. Our past experiences have imbued us with invaluable lessons and realizations—of how we need to continually innovate and adapt to this ever-changing environment. This contingency plan reflects our strong recognition of a need to foster a solid disaster risk management system where mitigation, response and recovery are interdependent. This will ensure that our expectations and actions are more accurate in the event of an El Niño event in the Region. It will serve as our blueprint that will give us a sound understanding of our respective roles in times of crisis and thus, reducing the effects of EL Niño to our community.

So, I am proud that we are building a real collaboration here, with the leadership of the Office of Civil Defense, in devising mechanisms to assist our people in the Region. I hope that our unity and sincere endeavors will result in a community where lives and properties are protected. Rest assured that the Department of Science and Technology-MIMAROPA is one with you in transforming MIMAROPA into a resilient region no matter what disaster or emergency event will arise.

Sa ating pagtutulungan at pagkakaisa kaya nating labanan ang lahat na kalamidad sa ating Rehiyon!





My warmest greetings to the Regional Disaster Risk Reduction and Management Council (RDRRMC) MIMAROPA member agencies and other stakeholders who, in one way or another, helped us in conceptualizing this Contingency Plan for El Niño. We especially thank the Office of Civil

Defense MIMAROPA headed by Director Eugene G. Cabrera for its partnership in formulating this Contingency Plan for El Niño will serve as an efficient, timely and well-coordinated response mechanisms in the Region when El Niño occur. This will ensure that the immediate needs of the affected farmers, fisherfolks and other affected population will be supported by the Regional Disaster Risk Reduction and Management Councils and LGUs

After all, the true test of efficient Contingency Plan is when all member agencies work together for a common goal to achieve zero casualty, protection of people during the times of El Niño event under the able hands of the Regional Incident Management Team. Thus, we thank the Regional Director of Office of Civil Defense, Chairperson of the Regional Disaster Risk Reduction and Management Council-MIMAROPA for his initiative in crafting this Contingency Plan. This endeavor will restore the immediate needs and protect the community to the difficult effects of El Niño to the health of every individuals, environment, fisherfolks, farmers, SMEs and all the affected communities.

Sa ating patuloy na pakikipagtulungan para sa kapakanan at kaligtasan ng ating mamamayan sa MIMAROPA, maaasahan niyo ang aking suporta sa lahat ng mga gawain sa kaligtasan ng bawat isa. Mabuhay po tayong lahat!



The El Niño Phenomenon has left a vast number of affected farmers, fisherfolks, and other sectors of society. The two most significant El Niño events on record occurred in 1982-1983 and 1997-1998. These crucial events are the most severe that occurred in the Philippines where rainfall fell to half of historical levels causing droughts in two-thirds of the country including the MIMAROPA Region.

In order to rise above the challenge, intensive RDRRMC coordination and cooperation is essential and critical to combat the drastic effects of the El Niño phenomenon. Together, we can maximize the different Agency's resources that will contribute in reducing disaster mortality, the affected populace, economic losses, and irreversible damage to the environment.

With utmost pride and joy, we, the RDRRMC wholeheartedly support one another, especially during disaster and emergency events. The Contingency Plan will be of great help to our farmers, fisherfolks, and to the affected individuals in the Region to recover from the enormous effects of this disaster.

Finally, I would like to extend my deepest gratitude and appreciation to the RDRRMC member agencies who crafted this Contingency Plan for El Niño that will serve as a guide and protection to the entire people of the MIMAROPA Region. God bless us all!





With all my heart, I would like to express my profound thanks to the Chairperson of RDRRMC and its member agencies for formulating this Contingency Plan for El Niño that will serve as a guide in the early recovery efforts in our Region in case this El Niño will affect us. This plan is borne out of our motivation to provide

effective, efficient, timely and well-coordinated response mechanisms during the occurrence of such El Niño Phenomenon affecting our farmers, fisherfolks, SMEs and other affected individuals.

As part of our overall efforts to alleviate poverty aggravated by disasters, it is also critical to provide suitable livelihoods for the affected communities during their recovery phase, to ensure a more enhanced poverty alleviation, and to implement effective rehabilitation and recovery plans which properly responds to the social, productive, environment, health, and concerns of the disaster-affected areas. This Contingency Plan aims to serve as our guide in delivering lifesaving assistance to those in need, without any adverse distinction.

Lastly, I am confident that our united efforts can significantly contribute to the attainment of our common goals towards economic productivity, equitable distribution of resources and benefits, and a peaceful and environmentally-sound MIMAROPA Region.





Regional Disaster Risk Reduction and Management Council MIMAROPA, PEO Compound, Kumintang Ilaya, Batangas City, Philippines

## RDRRMC MIMAROPA RESOLUTION NO.

REGIONAL DISASTER RISK RED

# "A RESOLUTION ENDORSING TO THE NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL (NDRRMC) THE REGIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL (RDRRMC) MIMAROPA CONTINGENCY PLAN FOR EL NIÑO"

**WHEREAS** Priority 4.33-a Sendai Framework for Disaster Risk Reduction states that the National and Local Government Units shall prepare or review and periodically update disaster preparedness and contingency policies, plans and programmes;

**WHEREAS** Item 6.1.1 of NDRRMC-NSC JMC No. 1, s. 2016 dated August 30, 2016, states the need for all DRRMCs to formulate contingency plans for natural and/or human-induced hazards appropriate to their areas in accordance with the prescribed Contingency Planning Guidebook.

**WHEREAS**, the MIMAROPA Region, being an archipelagic region and having numerous island provinces, municipalities and barangays usually experience El Niño as one of its primary hazards in the region every 3 years.

**WHEREAS** the Contingency Plans for EL Niño Formulation Workshop was held on August 9-11, 2023, at Hive Hotel and Convention Place, Quezon City, followed up by the conduct of a Contingency Plan Finalization Workshop on September 26 28, 2023 at Madison 101, Quezon City;

**NOW THEREFORE**, be it resolved, as it is hereby resolved, to endorse to the National Disaster Risk Reduction and Management Council the approved Regional Contingency Plan for El Niño, developed in consistency with the results of the Contingency Plan process, and in compliance with the requirements of the Sendai Framework for Disaster Risk Reduction.

**SIGNED,** this \_\_\_\_\_\_ of \_\_\_\_\_\_ 2023 during the RDRRMC MIMAROPA 3<sup>rd</sup> Quarter 2023 meeting held at \_\_\_\_\_\_.

#### DIR. MA. JOSEFINA P. ABILAY

Regional Director, DOST-MIMAROPA Vice – Chairperson for Disaster Prevention and Mitigation Regional Director, DILG, MIMAROPA Vice Chairperson for Disaster Preparedness

**DIR. KARL CEASAR R. RIMANDO, CESO III** Regional Director, DILG, MIMAROPA Vice Chairperson for Disaster Preparedness

#### **DIR. LEONARDO REYNOSO, CESO III** Regional Director, DSWD MIMAROPA

Vice Chairperson for Disaster Response

## **DIR. AGUSTIN C. MENDOZA**

Regional Director, NEDA MIMAROPA Vice Chairperson for Disaster Rehabilitation & Recovery

#### EUGENE G. CABRERA, CESO V Regional Director, OCD MIMAROPA

Chairperson, RDRRMC MIMAROPA

# **CHAPTER I. BACKGROUND**

## INTRODUCTION

MIMAROPA lies in the southern part of Luzon. It is an archipelago, comprising the large group of island provinces of Mindoro (divided into Occidental Mindoro and Oriental Mindoro) Marinduque, Romblon, and Palawan. The Name is an acronym that stands for its five constituent provinces. It has a total land area of 30,235.79 sq km. The Region had 5 provinces: 2 cities; 71 municipalities; and 1,459 barangays. The region was created on May 17, 2002, after dividing Region IV into Region IV-A AND Region IV-B under Executive Order No. 103, Region IV-b was renamed MIMAROPA Region under the Republic Act No. 10879 which was established the Southern Tagalog Region to be known as the MIMAROPA Region on July 17, 2016. It is bounded in the north by CALABARZON and the Verde Island; in the southeast by Bicol region and the Pacific Ocean; in the south by Panay Islands and on the west of the region is the West Philippine Sea. It is also located in the Verde Island Passage, a Marine Corridor that covers more than 1.14 million hectares encompassing the provinces of Batangas, Oriental Mindoro, Occidental Mindoro, Marinduque and Romblon.

The region is bounded by the West Philippine Sea to the West, Tayabas Bay to the North, Sibuyan Sea to the East and Sulu Sea to the South, making the region most vulnerable to the urban and industrial influence of the CALABARZON Area. With Palawan located west of the Philippine Chain of Islands, it is also the regions and country's Southwest Frontier with Malaysia. It forms a link between the Philippines and East India. The Region has an aggregate land area of 2,745,720 hectares or 27,538.9 square kilometers representing about 9 percent of the country's land area. Of the five provinces of the region, Palawan is the largest occupying 54.26 percent or 1.489,760 hectares. Occidental Mindoro, which is the second largest province, has 587,980 hectares comprising 21.41 percent of the region's land area. The third is Oriental Mindoro, with a land area of 436,470 hectares covering 15.9 percent while Romblon is the fourth with 135,590 hectares comprising 4.94 percent of the region's total land area. Marinduque is the smallest, occupying 3.49 percent or 95,920 hectares. The region has 1 Highly Urbanized City (Puerto Princesa), 1 Component City (Calapan City, which is also the seat of the Regional Government) and 71 municipalities with a total of 1,458 Barangays.

MIMAROPA is an archipelagic and "Water Rich" region, maritime travel, and other related activities as one of the primary means of transportation and source of livelihood.

A gateway to Visayas and other adjacent regions through the Strong Republic Nautical Highway from Batangas, Calapan and Roxas port. It contributes largely to this distinction being a region consisting of island provinces and having the longest coastline with a total length of 5,215 kilometers where some maritime accidents happen in the seawaters of the Region.

As of May 01, 2020, the population count of MIMAROPA was recorded at 3,228,558 with an average annual population growth rate of 1.64 percent during the 2010-2020 period. The region's population density reached 109 people per square kilometer.

The province of Occidental Mindoro occupies the western part of the island of Mindoro and bordered on the east by the province of Oriental Mindoro. The province covers a total land area of 6,330.22 sq. km. It comprises 11 municipalities and 162 barangays. The province is an agricultural area devoted to the production of crops like rice, corn, onions, garlic, and other fruits which contributed to its income.

Oriental Mindoro province occupies the eastern section of Mindoro Island and covers a total land area of 4,388.50 sq. km. It comprises 1 city, 14 municipalities, and 426 barangays. The province's economy is largely based on agriculture, producing large quantities of rice, coconut, corn, and a wide variety of fruits, such as calamansi, banana, lanzones, rambutan, marang, and durian, as well as fish, livestock and poultry. It is also known for its tourist attractions like the white sand beaches of Puerto Galera. Oriental Mindoro province occupies the eastern section of Mindoro Island and covers a total land area of 4,388.50 sq. km. It comprises 1 city, 14 municipalities, and 426 barangays. The province's economy is largely based on agriculture, producing large quantities of rice, coconut, corn, and a wide variety of fruits, such as calamansi, banana, lanzones, rambutan, marang, and durian, as well as fish, livestock, and poultry. It is also known for its tourist attractions like the white sance and a covers a total land area of 4,388.50 sq. km. It comprises 1 city, 14 municipalities, and 426 barangays. The province's economy is largely based on agriculture, producing large quantities of rice, coconut, corn, and a wide variety of fruits, such as calamansi, banana, lanzones, rambutan, marang, and durian, as well as fish, livestock, and poultry. It is also known for its tourist attractions like the white sand beaches of Puerto Galera.

The province of Marinduque is located in the west of the Bondoc Peninsula of Quezon province, east of Mindoro Island and north of the island province of Romblon. It has a total land area of 952.58 sq. km. It comprises 6 municipalities, and 218 barangays. The province is an agricultural area, primarily growing rice and coconuts. Fishing is also part of the economy. Handicrafts from Marinduque are exported to different parts of the world. It is also home to the Moriones Festival, an old religious festival celebrated annually every Holy Week.

Romblon is an archipelagic province bounded by Mindoro in the west, Masbate in the east, Marinduque in the north and Panay in the south. It has a total land area of about 1,540.53 sq. km. The province comprises 17 municipalities and 219 barangays. Its major industries are agriculture and fishing. Marble is the most well-known product of the province. Marble quarrying and processing are also major activities in the province.

Province of Palawan lies between Mindoro in the northeast and Borneo in the southwest; and between the South China Sea and Sulu Sea. It is the country's largest province in terms of total area of jurisdiction. It has a total land area of 14,642.94 sq. km., excluding Puerto Princesa City with a total land area of 2,381.02 sq. km. It comprises 1 Highly Urbanized City (Puerto Princesa), 23 municipalities, 367 barangays which excludes the 66 barangays of Puerto Princesa. The province's economy is also basically agricultural, with the production of the three major crops such as palay, corn and coconut. In addition, it is also one of the best tourist destinations with the best beaches in Asia and home of the UNESCO World Heritage Sites such as the Puerto Princesa Subterranean River National Park and the Tubbataha Reef Marine Park.

## Agricultural Land and its products

In 2020, the total land area for MIMAROPA region comprises 2,745,720 hectares, with an arable land area of 550,302Has, irrigated areas. Palawan is the biggest with Marinduque as the smallest island province. The Region's agricultural land area comprises almost 20 percent total area making it as one of the primary producers of agricultural and marine products such as coconut, banana, cashew, palay, rambutan corn, papaya, kalamansi, durian, lanzones, marang or uloy, mango and seaweed. These products, however, are being traded in neighboring regions as raw materials with little or no value addition.

The Region is among the first six regions that have already established a Food Innovation Center (FIC). These technologies can transform a wide variety of agricultural crops abundant in the region into new products of high commercial value. These locally fabricated new technologies introduced to the MSMEs can create food products that are shelf-stable even in non-refrigerated conditions; improve the taste and texture of root crops, marine products, vegetables, and fruits which are palatable to buyers that will surely create more opportunities for farmers and fisherfolk. Among the different commodities such as the vacuum fried banana, vacuum fried jackfruit and spray dried pineapple, vacuum suman sa lihiya, baskets and to make the products more appealing, the Region's alo provides packaging and labelling assistance to the FIC. The most notable major industries are agriculture, fishing and marble products. For that reason, the Oriental Mindoro is also known as the Rice Granary and Fruit Basket of Southern Tagalog.

## Climate:

Region MIMAROPA has three types of climates. Climate type I (characterized by two pronounced seasons, dry from November to April and wet during the rest of the year), can be observed in Occidental Mindoro and Western Palawan. Climatic type III (characterized by seasons that are not very pronounced, relatively dry from November to April and wet during the rest of the year) can be observed in Romblon and Eastern Palawan. The provinces of Oriental Mindoro and Marinduque on the other hand, experience Climate type IV (rainfall that are evenly distributed throughout the year). It has an average annual rainfall normal of 2,167.6mm and 148 rainy days per year. The maximum temperature for the region is 31.6°C and the minimum is at 24.2°C. The wind direction for the region is mostly East to Northeast.

# Topography:

MIMAROPA region varies from one province to another and is characterized by varied landforms consisting of flat coastal areas and upland interior areas of moderate rolling and undulating plains and hills and mountains.

Occidental Mindoro, one of the two provinces comprising Mindoro Island, is characterized by mountain ranges, intermittent valleys and elongated plateaus with rolling prairie lands along the coastal regions. The entire coast of the province has two principal rivers, namely, Busuanga and Lumintao.

Oriental Mindoro has three distinct geographical zone surfaces. These are the coastal areas covering a total length of 34, 245 hectares; the lake areas covering 8,128 hectares; and the riparian areas, intermittent valleys and ranges of mountains covering 89 percent of its total land mass.

Marinduque presents largely undulated hilly and mountainous topography having rugged terrain except in the Western coastal areas occupying approximately 83 percent of the total land area located in the central/interior areas while 17 percent are urban and rural built-up areas. The island is divided roughly into eastern and western parts by a mountain range trending Northwest-Southeast with elevations of 600m to 800m rising to a highest peak of 1,157m in Mt. Malindig, a potentially active volcano on the southeastern corner of the island.

Tall mountain ranges run through the entire central length of Palawan, bisecting the province into two areas, the east and the west coast. Mountainous and hilly throughout the length of the entire axis of the main island particularly on the northwestern coast. Narrow strips of coastal plains are found along the southeastern coast. Palawan has

the largest forest cover in the country with 789,926 hectares or 55.88 percent of the total land area of the province while mangrove forest accounts for 51,346 hectares.

Romblon is generally mountainous with about 40 percent of its land area having slopes greater than 50 percent with only 4 percent of the total area having 3-8 percent slopes while a sparse 10 percent has 0-3 percent inclination. Narrow strips of coastal lowlands, low hills and plains typify the topography of some of the islands. The Region has several rock formations, natural coves, deep harbors and bays serve as the shelter for shipping lines during inclement weather.

A CNN Report describes the Region as sitting at the heart of the Coral Triangle, the global center of marine biodiversity and about halfway between the provinces of Batangas and Mindoro, the Verde Island Passage. Palawan and Marinduque boast the highest concentration of marine species on the planet. The presence of coral reefs and underwater formation in the Region makes it susceptible to aground motorized banca along Romblon Island, El Nido, Culion, Balabac, Cuyo, Coron and Cape Calante Mindoro. The record shows in the PCG STL and PCG Palawan the following additional incident that happen in the vicinity of waters in the Region:

## **Major Rivers and Seas**

One of the major bodies of water in the Region is the Verde Island Passage, a strait that separates the islands of Luzon and Mindoro, connecting the South China Sea with the Tayabas Bay and the Sibuyan Sea beyond. It is one of the busiest sea lanes in the Philippines because it is the main shipping route between the Port of Manila and the Visayas and Mindanao in the South. Also many ferries navigate the waters, connecting the surrounding provinces of Batangas, Marinduque, Occidental,Oriental Mindoro and Romblon. The 1.14 million hectare passage is extremely rich in marine biodiversity,the richest area in the entire Coral Triangle. It is famous for its scientifically backed title as the Center of Marine Shore Fish, Biodiversity of the World. The eponymous Puerto Galera where we can find the wreckage of the galleon. During the late seventies and in the early 80s, the ancient cargo was salvaged from the wreckage where a few shards of porcelain and some larger pieces of terracotta jars were found. It was removed from Puerto Galera for Philippine conservation and only the rot timber of the galleon remains from the wreck in a depth of 6 meters which was located in front of Sabang Beach.

The **Mindoro Strait** commonly known as Kipot *ng Mindoro* is one of the straits connecting the South China Sea with the Sulu Sea in the Philippines. It separates Mindoro Island from Busuanga Island (one of the Calamianes Islands of Palawan Province). Located between the two islands is the Apo Reef, the largest coral reef system in the Philippines. The reef divides the strait into the Apo East Pass and the Apo West Pass. The Mindoro Strait is part of an alternate route for ships passing

between the Indian and Pacific oceans and a common one for those exceeding the Malaccamax size and therefore being incapable of using the Strait of Malacca.

**Tablas Strait** is the largest of the islands that comprise the province of Romblon in the Philippines. The name of the island was of Spanish origin. Before the colonization of the Philippines, Tablas was known as the Island of Osigan. At the time of contact with Westerners, Osigan had a population of two hundred and fifty people living in small villages. Wax was produced on this island.

Odiongan, on the west central coast of the island, is a major port and the largest municipality of Romblon in terms of population.<sup>[1]</sup> Tablas is administratively subdivided into the municipalities of Alcantara, Calatrava, Ferrol, Looc, Odiongan, San Agustin, San Andres, Santa Fe, and Santa Maria. The island lies about 50 kilometers (31 mi) east from the southern part of Mindoro Island. The northern tip of Tablas is about 12 kilometers (7.5 mi) from Romblon Island. *Mount Payaopao* at the northeastern extremity of the island, is the highest peak on the island at 2,182 feet (665 m) high and the second highest in the province (after Mount GuitingGuiting).

A wooded central range of hills traverses the length of Tablas. The west coast is formed by the western slope of the central mountain ridge, which is narrow and well defined. The summits in the middle of the island are 1,600 to 2,000 feet high. In the center of the island is Bitaogan Peak, 2,164 feet (660 m) high, which appears as a rounded knob from east and west and sharp from north and south. Mount Lunas, at the back of Looc Bay, is a black ridge 1,556 feet (474 m) high, long and rounded from east and west and sharp from north and south; with it the range breaks off to the low pass from Looc Bay to the town of Alcantara on the east coast. The southern part of Tablas is a group of many sharp conical hills, all bare and grassy except Malbug Hill, 904 feet (276 m) high, and Calaton Point, 835 feet (255 m) high, on the east coast, which are dark and wooded. The shoreline is largely mangrove, with many beaches of coral sand and some limestone cliffs. The shore reef is continuous except off Guinauayan Point.

There is no good natural harbor except Looc Bay, a large indentation on the west side, but sheltered anchorage may be found on either side of the island, according to the season of the year. Cabalian Point, the southern extremity of Tablas Island, is low and sandy and hard to distinguish at night, a lighthouse was built during the American Colonial period.

**Tayabas Bay** is a large bay in the southern part of Luzon island in the Philippines. Several islands are located in the bay, the largest of which is Marinduque. The bay is bordered on the north and east side by Quezon (formerly known as *Tayabas*) province. Lucena, the capital city of Quezon Province, is located along Tayabas Bay, where several boat and ferry lines serve the sea lanes between Lucena and the different points in the region. The **Sibuyan Sea** is a small sea in the Philippines that separates the Visayas from the northern Philippine island of Luzon. It is a crescent-shaped island, the second largest in an archipelago comprising Romblon Province. Located in the namesake Sibuyan Sea, it has an area of 445 square kilometres (172 sq mi). The island has two prominent peaks, Mount Guiting-Guiting literally means "the saw-toothed mountain with a height 2,058 metres (6,752 ft) and Mount Nailog with a height of 789 metres (2,589 ft). The people speak the Sibuyanon dialect of Romblomanon, a Visayan language. It has been dubbed by some local and international natural scientists as "the Galápagos of Asia", because it has remained in isolation from the rest of the world since its formation. It is bounded by the island of Panay to the south, Mindoro to the west, Masbate to the east, and to the north Marinduque and the Bicol Peninsula of Luzon Island. The Sibuyan Sea is connected to the Sulu Sea via the Tablas Strait in the west, the South China Sea via the Isla Verde Passage in the northwest, and the Visayan Sea via the Jintotolo Channel in the south-east.

The **Sulu Sea** is a body of water in the southwestern area of the Philippines, separated from the South China Sea in the northwest by Palawan and from the Celebes Sea in the southeast by the Sulu Archipelago. Borneo is found to the southwest and Visayas to the northeast. It contains several islands such as Cuyo islands and Cagayan Islands which are part of the province of Palawan whereas Mapun and the Turtle Islands are part of the province e part of Tawi-Tawi. Sulu Sea is also where the Tubbataha Reef National Marine Park, one of the World Heritage Sites, is located.

**West Philippine Sea,** the Maritime area on the western side of the Philippine archipelago is West Philippine Sea. These areas include the Luzon as well as the waters around within the adjacent to the Kalayaan Island Group and Badjao Masinloc also known as Scarborough Shoal the official designation. The first use of the term 'West Philippine Sea" by the Philippine Government was as early as 2011 during the administration of then President Benigno Aquino III. The naming was intended as a symbolic gesture to dispute China's claim over the whole South China Sea. In September 2012, the Philippine government announced that it would start using the name to refer to waters west of the Philippines as "West Philippine Sea" in government maps, other forms of communication and documents. This is the fishing ground of Palaweňos and Mindoreňos.

## Mountains

Marinduque presents largely undulated hilly and mountainous topography having rugged terrain except in the Western coastal areas occupying approximately 83 percent

of the total land area located in the central/interior areas while 17 percent are urban and rural built-up areas. The island is divided roughly into eastern and western parts by a mountain range trending Northwest-Southeast with elevations of 600m to 800m rising to a highest peak of 1,157m in Mt. Malindig, a potentially active volcano on the southeastern corner of the island.

Tall mountain ranges run through the entire central length of Palawan, bisecting the province into two areas, the east and the west coast. Mountainous and hilly throughout the length of the entire axis of the main island particularly on the northwestern coast. Narrow strips of coastal plains are found along the southeastern coast. Palawan has the largest forest cover in the country with 789,926 hectares or 55.88 percent of the total land area of the province while mangrove forest accounts for 51,346 hectares. Mt. St Paul is the most famous mountain in the province where the subterranean river is located.

Romblon is generally mountainous with about 40 percent of its land area having slopes greater than 50 percent with only 4 percent of the total area having 3-8 percent slopes while a sparse 10 percent has 0-3 percent inclination. Narrow strips of coastal lowlands, low hills and plains typify the topography of some of the islands. Mt. Guiting-guiting in Magdiwang is the highest mountain peak of the province.

General land surface features that characterize Occidental Mindoro are mountains, rivers, hills, valleys, wide plains and some small freshwater lakes. The taller mountains can be found in the interior that it shares with Oriental Mindoro.

Mountain ranges converge on the two central peaks, namely Mt. Halcon in the North, and Mt. Baco in the South. There is also a mountain known as bundok ng susong dalaga, the "Maiden's breast mountain", that looks like a reclined woman. The northern part of the province has relatively fewer plains, while the southern parts have wider flatlands. Most of the plains are cultivated fields, with few remaining untouched forests. Significant hilly areas can be found rolling off in Sta Cruz in the north, and in San Jose and Magsaysay in the south.

The major physiographic feature of the island is the central mountain ranges. Its topography, which is controlled by lithology and partly by structures, is characteristically rugged and forms the physiographic divide between Occidental and Oriental Mindoro. Most peaks on this divide range from 900 meters to more than 2,400 meters in

elevation. These peaks are Mount Burburungan (1,524 m), Mount Tandrac Peak (900m) and Mount Baco (2,488m). Major structures observed on the Island trend northwest to north south.

## Peace and Order Situation:

MIMAROPA remains one of the most peaceful regions in Luzon. The Regions 5.24 percent decrease in crime volume for calendar year 2022 while 183 communist rebels surrendered. Average Monthly Crime Rate that was recorded this year. Its current peace and order situation is conducive for regional growth and development. It foretells the projection of the region for economic growth having Palawan, Puerto Princesa and Puerto Galera as tourist destinations. The impact of several police-community relations programs benefited both the Philippine National Police and the communities in the Region and these efforts resulted in MIMAROPA being among the safest regions in the country.

| <b>CP</b> Forr | n 1: Hazard | Analysis |
|----------------|-------------|----------|
|----------------|-------------|----------|

| HAZARD                           |      | PROBABILITY IMPACT   |      | IMPACT  | AVERAGE                          | RANK |
|----------------------------------|------|--|------|---|----------------------------------|------|
|                                  | RATE | REMARKS  | RATE | REMARKS   | <u>PROBABILITY + IMPACT</u><br>2 |      |
| Drought                          | 5    | Drought always occurs<br>every 3 to 5 years  | 5    | Prolonged dry spell in<br>February 2019 and<br>drought on May 2019<br>affecting Oriental<br>Mindoro, Occidental<br>Mindoro, Romblon,<br>Marinduque, Palawan | 5                                | 1    |
| Earthquake                       | 5    | Presence of fault line<br>and trenches (Boac<br>fault, Central<br>Mindoro,Southern<br>Mindoro,<br>Aglubang,Tablas<br>,Sibuyan sea fault, | 5    | Magnitude 7.1<br>earthquake last Nov. 15,<br>1994, 78 died, 5,545<br>houses washed away by<br>tsunami   | 5                                | 1    |
| Maritime<br>Incidents(Capsizing) | 5    | Geographic location;<br>Past experiences (MV   | 5    | Loss of lives, property,<br>damaged marine  | 5                                | 1    |

|            |   | Princess of the Stars,<br>MV Doňa ,M/v Don<br>Juan,MV baleno )                |   | environment, affected<br>livelihood,  |     |   |
|------------|---|---|---|---|-----|---|
| Oil Spill  | 3 | Natural gas<br>explorations; Tankers.<br>USS Guardian aground<br>in Tubbataha | 5 | Major loss to property,<br>affected livelihood<br>(fishing and tourism),<br>damaged marine<br>environment | 4   | 2 |
| Fire       | 1 | MV Diamond Highway<br>Incident, M/V Don Juan                                  | 1 | Minor loss of property;<br>Minor injuries   | 1   | 5 |
| Agrounding | 4 | USS Guardian<br>aground in Tubbataha,<br>M/V<br>Asunsion XI,MBCA<br>Hannah    | 3 | Damaged marine<br>environment;<br>Affected livelihood   | 3.5 | 3 |

As seen in the above probability and impact ratings of the hazards, El Nino is the number one hazard in MIMAROPA, since it occurs every 5 years. A period of abnormally dry weather sufficiently prolonged for the lack of water to cause serious hydrologic imbalance in the affected area in the provinces of Occidental & Oriental Mindoro, Palawan, Marinduque and Romblon.

The most severe El Nino occurred in 1997-1998, when rainfall fell to half of historical levels, causing drought in two-thirds of the country. This led to forest fires that destroyed almost 10,000 hectares of natural forests. During the May 2019 El Nino the Regional

Task Force was created headed by NEDA to assist locals who are affected in the provinces of MIMAROPA who are experiencing dry spell since February of 2019. Member agencies of the task force have developed their respective plans to mitigate the effects.

## C. HAZARD TO PLAN FOR: EL NINO

Based on the assessment of the hazards, in the region requires having a contingency plan for El Nino that shall help ensure preparedness for effective response in the entire MIMAROPA Region.

The anatomy of El Nino is shown below:

| HAZARD TO PLAN FOR  | EL NIÑO   |  |  |  |  |
|---|---|--|--|--|--|
| ROOT CAUSES   | EARLY WARNING SIGNS   | TRIGGERING FACTORS   | EXISTING<br>MITIGATING MEASURES  |  |  |
| Low precipitation over an extended period Atmospheric conditions such as                              | affects the weather patterns around the world predicted by PAGASA.                          | becomes warmer than average and<br>east winds blow weaker than normal. | <ul> <li>ORIENTAL MINDORO</li> <li>Establishment of Provincial El<br/>Niño Task Force.</li> <li>Fuel subsidy for the affected<br/>areas.</li> </ul>                        |  |  |
| climate change, ocean<br>temperature, changes in jet<br>stream, and changes in the local<br>landscape | Higher sea levels and warmer-<br>than average ocean temperatures<br>along the western coast | •  | <ul> <li>Stockpile of relief goods for<br/>distribution to the affected<br/>population.</li> <li>Conduct of massive IEC.</li> <li>Procurement of water tankers.</li> </ul> |  |  |

# CP Form 2: Anatomy of the Hazard

| Sea surface temperature<br>increases of more than<br>0.9degrees F across the eastern | Ocean temperatures become unusually warm.   |  |
|--|---|--|
| Pacific as warm waters spread<br>from the west                                       | Surface water in the equatorial Pacific<br>becomes warmer than average and<br>east winds blow weaker than normal.<br>Warm water builds up along the<br>equator in the Eastern Pacific | <ul> <li>OCCIDENTAL MINDORO</li> <li>Presence of Contingency Plan<br/>for Drought.</li> <li>Fuel subsidy to affected areas of<br/>the province.</li> <li>Reforestation.</li> <li>Shallow Tube Well distribution.</li> <li>Distribution of seeds suited for<br/>dry season (mungbean).</li> </ul> |
|  | Ocean temperatures become unusually warm.   | <ul> <li>Distribution of other planting materials (seeds, seedlings) for assistance on next cropping.</li> <li>MARINDUQUE</li> <li>Delivery and distribution of 6,393 pcs. Of high value fruit trees to Five (5) barangays with 177</li> </ul>   |
|  |   | <ul> <li>Provisions of 130 fruit trees, 8670 forest trees and 7490 mangroves for planting.</li> <li>5 Water Trucks on Standby for water rationing.</li> <li>10 IBC and 10 150L Water Drums .</li> </ul>  |

|  | <ul> <li>7460 Forest Trees and 8540<br/>Mangroves on standby for<br/>planting.</li> <li>6139 Fruit Bearing Trees<br/>distributed and planted.</li> <li>Provision of drugs and<br/>biologics for livestock.</li> <li>Provision of disaster and<br/>climate resilient crops for<br/>distribution to farmers.</li> <li>Issuance of advisory to<br/>farmers regarding crop<br/>production during El Niño or<br/>prolonged high temp.</li> <li>Reorganization of Local<br/>Price Coordinating Council<br/>(LPCC).</li> </ul> |
|--|---|
|  | <ul> <li>ROMBLON</li> <li>Turnover of water pumps to fisherfolk/farmer sectoral organizations.</li> <li>Installation of water lines and construction of water tanks to improve barangay/municipal water distribution system.</li> <li>Donation of water pipes to Barangay Water System Associations.</li> </ul>   |

|  |   | <ul> <li>Reproduction and Distribution of<br/>IEC Materials on drought<br/>preparedness by sector or cluster.</li> </ul>   |
|--|---|--|
|  | F | PALAWAN  |
|  |   | <ul> <li>Reforestation for watershed preservation.</li> <li>Ongoing establishment of inventory of water storage and transportation equipment.</li> <li>IEC on safety practices during heat waves and dissemination to the public via social media.</li> <li>IEC on water conservation to the public via social media.</li> <li>IEC on water conservation to the public via social media.</li> <li>Preparations and ongoing coordination with research institutions and academes for River Basin, Watershed and other water source studies.</li> <li>Implementation of rotational water accessibility and scheduling for domestic water supply.</li> <li>Activation of available water transportation equipment for distribution of clean water and injection to water hydrants</li> <li>Crop diversification.</li> <li>Use of climate-resilient varieties for rice and corn production and preparations to provide climate-</li> </ul> |

| <ul> <li>resilient rice, corn and vegetable seeds.</li> <li>Early planting of desired crops (climate-resilient).</li> <li>IEC to farmers and fisherfolk on climate-resilient practices, water conservation, and resilient crop production among others.</li> <li>Regular red tide monitoring in major fishery areas such as Malampaya Sound, Honda Bay.</li> <li>Preparations to provide for alternative livelihood activities such as fish/meat processing, handicraft, hook &amp; line gill net, etc.</li> <li>Provision of production facility (Greenhouse).</li> <li>Activities to access and provide solar-powered irrigation facilities and paddle wheels/ aerators.</li> <li>Preparations to provide for buffer stocking of rice seeds for timely delivery on the onset of rain.</li> <li>Constant monitoring of water chemico-physical parameters</li> <li>Coordination for the frequent water exchange for earthen and concrete ponds.</li> <li>Continuous research on the adaptability, productivity, and profitability of certain specific commodities in a particular area considering the effect of climate</li> </ul> |
|---|

#### PUERTO PRINCESA CITY

- Regular monitoring of Agricultural. Technicians and provision of farming techniques like mulching for example to improve the plant growth and maintain soil moisture, reduces soil compaction, temperature, water logging, weed growth and sucking insects.
- Provision and promotion of farming technologies such as natural farming and crop diversification practices and use of drought resilient plant seeds/seedling.
- Presence of Farm Technology Demonstration and nurseries showcasing appropriate and effective farming technology and providing good qualities of farm seeds/seedlings.
- Continues monitoring of farms and enrollment to Philippine Crop Insurance Corp.
- Provisions of diesel-powered /solar-powered water pump for water irrigation.
- Limitations on businesses and establishments using large volumes of water such as pools and car washes (PPCWD).

|  | <ul> <li>Issuance of IEC and promotion of water conservation through social media.</li> <li>Regular conduct of City wide tree planting activities.</li> <li>Existing systems to redirect water pressure for firefighting purposes as needed (PPCWD).</li> <li>Implementation of rotational water accessibility and scheduling for domestic water supply.</li> <li>Activation of available water transportation equipment for distribution of clean water and injection to water hydrants.</li> <li>Regular monitoring of PPCWD pipelines to prevent water leakage.</li> <li>Proposal preparation on establishment of impounding water with 5 million cubic meters capacity.</li> <li>Regular monitoring of Harmful Algal Blooms (HABs) in major bays of Puerto Princesa such as Puerto Bay Honda Bay St. Paul</li> </ul> |
|--|--|
|  | <ul> <li>Algal Blooms (HABs) in major bays of Puerto Princesa such as Puerto Bay, Honda Bay, St. Paul Bay and west coast.</li> <li>Deployment of sanctuary</li> </ul>  |
|  | caretaker to established marine<br>protected areas for status<br>monitoring of marine habitat such<br>as coral reefs to prevent coral<br>bleaching due to increased sea  |

|  | <ul> <li>temperature and presence of<br/>Crown-of-Thorns Starfish (COTs).</li> <li>Presence of existing coral<br/>nurseries in Barangays Bancao-<br/>Bancao and Sta. Lourdes as a<br/>possible source of coral fragment<br/>for coral transplant to increase live<br/>coral cover.</li> <li>IEC on safety practices against<br/>the threat of heat waves through<br/>social media platforms.</li> <li>Regular monitoring and<br/>maintenance of PALECO<br/>powerlines to prevent power<br/>interruptions.</li> <li>IEC and promotion of green<br/>power sources such as solar-<br/>powered energy.</li> </ul> |
|--|---|
|  | <ul> <li>CALAPAN CITY</li> <li>Establishment of Calapan City El<br/>Niño Task Force</li> <li>Fuel subsidy for the affected<br/>areas</li> <li>Stockpile of relief goods for<br/>distribution</li> </ul>   |
|  | <ul><li>distribution to the affected population</li><li>Conduct of massive IEC</li></ul>  |

|  | <ul> <li>Formulation of comprehensive disaster preparedness and rehabilitation plan for El Niño</li> <li>Conduct of sanitation inspection to prevent El Niño related disease and outbreak of diarrhea.</li> <li>Administration of house to house Anti-Rabies vaccination for dogs and Cats</li> <li>Establishment of Additional water reservoir for local water suppliers</li> <li>Water tankers on standby for water delivery incase of water shortage</li> <li>Establishment of coordination with the PCIC to address if there are reported damages occurred during El Niño Phenomenon.</li> </ul> |
|--|--|
|  | DEPARTMENT OF AGRICULTURE  |
|  | PREPARATORY ACTIVITIES   |
|  | <ol> <li>Creation/Reactivation of Disaster<br/>Task Force.</li> <li>Weekly Monitoring/Updating of<br/>local field conditions.</li> <li>Validation of Planting<br/>Target/Standing Crops.</li> </ol>  |

|  |   | <ol> <li>Information/Awareness<br/>Campaign.</li> <li>Conduct of Regional Coordination<br/>Meetings</li> <li>Provision of Water Pumps and<br/>Engines.</li> <li>Bufferstocking of Seed.</li> </ol>  |
|--|---|---|
|  | N | TRATEGIES AND MITIGATING<br>MEASURES FOR THE EFFECT OF EL<br>IIÑO IN THE NIA ASSISTED SYSTEMS   |
|  |   | <ol> <li>Adjusting the Cropping Calendar<br/>and pattern of Planting.</li> <li>Implement water-saving<br/>technologies and adopt water-<br/>efficient practices to mitigate the<br/>impacts of El Niño such as<br/>Alternate Wetting and Drying<br/>(AWD) and implementation of a<br/>water rotation scheme.</li> <li>Diversification of Crops.</li> <li>Make use of available water and<br/>consider implementing Quick<br/>Turn-around (QTA) or Third<br/>Cropping.</li> <li>Provision of diesel powered<br/>pumps for water augmentation.</li> <li>Philippine Crop Insurance<br/>Corporation (PCIC) Region IV</li> </ol> |
|  |   | 7. To continuously provide free crop<br>insurance to the farmers and  |

| SAVING PRODUCTION IN<br>VULNERABLE AREAS  |
|---|
| <ol> <li>Water Management</li> <li>Provision of Multi-Stress Seed<br/>Varieties</li> <li>Shifting to other crops</li> </ol>   |
| Philippine Fiber Industry Development<br>Authority-Region IV (PhilFIDA Region<br>IV)  |
| <ul> <li>Has a massive information<br/>campaign by incorporating<br/>possible issues on El Niño<br/>phenomenon, climate change and<br/>smart agriculture. Crafting a strict<br/>water management plan from<br/>LGU, importance of mulching in<br/>farming to save soil moisture and<br/>scheduling of heavy work during<br/>cold hours were also conducted<br/>through training and forums. They<br/>also provide intervention such as<br/>distribution of fiber crops and<br/>planting materials.</li> </ul> |
| Bureau of Soil and Water Management<br>(BSWM)   |
| <ul> <li>Shared sustainable water<br/>resource management and El<br/>Niño mitigation technologies. The</li> </ul>   |

| - |  |
|---|--|
|   | implementation and construction<br>of different water resource<br>management systems were<br>managed by the DA RFO. Under<br>EO 366 of 2005, BSWM is the<br>lead implementing agency in the<br>conduct of Cloud Seeding<br>Operations (CSOps) in<br>partnership with PAGASA,<br>Philippine Air Force, Civil Aviation<br>Authority of the Philippines and<br>DA-RFOs. There are lots of<br>technical considerations before<br>the conduct of CSOps, such as<br>the existence of at least 1,000<br>hectares affected by drought, the<br>existence of standing crops kat<br>critical growth stages, observed<br>critical water level in reservoirs,<br>no possible adverse effects on<br>other crops, the presence of<br>seedable clouds, and the<br>absence of peace and order<br>problems. To avail of the CSOps,<br>a request letter should be<br>submitted to BSWM which in turn,<br>the BSWM, together with the<br>requesting party and<br>representative(s) from DA-RFOs<br>will conduct a joint area<br>assessment. It will take a month |
|   | representative(s) from DA-RFOs<br>will conduct a joint area  |

|  | Bureau of Fisheries and Aquatic   |
|--|---|
|  | Resource MIMAROPA (BFAR<br>MIMAROPA)  |
|  | <ul> <li>Has an initial plan for the provinces of Romblon and Palawan by providing 139,500 kilos of Seaweeds Seedlings for Deep Sea farming.</li> <li>Will distribute 50 units of fish cage assistance; 5 million fry and fingerling for brackish water fishponds and fuel subsidies for fisherman and fisherfolk in MIMAROPA;</li> <li>BFAR will continue to operate and develop a Salt Industry Project at San Jose and Magsaysay, Occidental Mindoro during El Niño;</li> <li>Provide livelihood assistance to fisherfolk association/ cooperative thru: Provide Postharvest training on Fish/Seaweeds processing Technology and Value adding, Provision of livelihood assistance to fisherfolk;</li> <li>Facilitate credits loan program for fishery livelihood projects intended for registered fisherfolks</li> </ul> |

|  | association, cooperative or individual within the region.   |
|--|---|
|  | Philippine Rice Research Institute<br>(PhilRICE)  |
|  | <ul> <li>UP Los Baños has conducted an information campaign or information dissemination and continues to distribute the palay seed.</li> <li>They also have technology for El Niño and they have available seed or "sahodulan" varieties. They also mention a mobile application named "Binhing Palay" that will help to identify different rice varieties which is applicable for drought and various seasons.</li> </ul> |
|  | National Food Authority (NFA) -<br>Region IV  |
|  | <ul> <li>Assures and secures the buffer<br/>stock for the upcoming season for</li> </ul>  |

|  | El Niño. They increase their rice for buffer stocking.  |
|--|---|
|  | Philippine Coconut Authority (PCA) -<br>Region IV   |
|  | <ul> <li>Will secure and distribute the<br/>30,170 packs of vegetable seed,<br/>agricultural salt fertilizer and<br/>organic fertilizer. The agricultural<br/>salt fertilizer will enhance the<br/>water retention capacity of<br/>coconut fruit. They mentioned that<br/>during El Niño, the coconut tree<br/>was prone to pests and disease.</li> </ul> |
|  | Philippine Fisheries Development<br>Authority (PFDA)  |
|  | • Will continue to operate fish ports<br>and likewise constructed<br>municipal ports. They also<br>provide post-harvest facilities like<br>cold storage in coordination with<br>BFAR.   |

|  | Agricultural Training Institute (ATI)<br>MIMAROPA  |
|--|--|
|  | • Will incorporate related topics on<br>Climate Change, El Niño<br>Awareness, Water Management<br>Training and Crop Diversification<br>on the trainings for 3rd and 4th<br>quarters of 2023. They reproduce<br>the IEC material about Climate<br>Resilient Agriculture and Water<br>Conservation.  |
|  | Department of Science and<br>Technology (DOST) - MIMAROPA  |
|  | <ul> <li>Helped fisherfolks in the construction of a solar powered concrete pond. They continued making proposals and submitted to the National DOST with regards to desalination, a process of converting the saltwater into potable water for human consumption.</li> <li>They continued constructing the solar powered water source for human consumption and chlorinated it for other purposes.</li> </ul> |

| National Meat Inspection Service<br>(NMIS)  |
|---|
| <ul> <li>Will inspect and ensure that the<br/>animal is robust prior to<br/>slaughtering and safe for human<br/>consumption considering that<br/>during El Niño, animals are prone<br/>to different diseases like heat<br/>stroke.</li> </ul> |
| Department of Social Welfare and<br>Development (DSWD)- MIMAROPA  |
| <ul> <li>Availability of Food and Non-Food<br/>items in the regional warehouses<br/>managed by DSW</li> </ul>   |
| <ul> <li>Prepositioned goods both Food<br/>and Non-Food to Local<br/>Government Units provided<br/>warehouses</li> </ul>  |
| <ul> <li>Standby Funds of Php<br/>5,000,000.00 - can be<br/>replenished once depleted up to</li> </ul>  |
| 50%<br>• Availability of Regional Special<br>Order (RSO) for Quick Response<br>Teams (QRTs) assigned in   |
| different LGUs in MIMAROPA<br>Region - ready and available once<br>activation is issued.  |

| <ul> <li>Department of Health Center for Health Development MIMAROPA</li> <li>Prepositioning of drugs and medicines.</li> <li>Provision of IEC Materials and health teaching related to El Niño.</li> <li>Regional Order RE: Availability of health emergency response team for El Niño.</li> <li>Availability of Quick Response Fund.</li> <li>Misting Operations.</li> </ul>   |
|--|
| <ul> <li>Department of Trade and Industry (DTI) MIMAROPA</li> <li>Weekly/Monthly price &amp; supply Monitoring of BNPCs.</li> <li>Product Development Assistance.</li> <li>Market matching activities.</li> <li>Assistance to local suppliers; likewise to provide availability of basic needs and prime commodities in a lower price through Diskwento Caravan.</li> <li>Financial assistance through loan programs of Small Business Corporation.</li> </ul> |

| <ul> <li>Provision of Livelihood start up kit to the affected MSMEs through Pangkabuhayan sa Pagbangon at Ginhawa program.</li> <li>Provision of potable water through our Shared Service Facility projects.</li> </ul>   |
|---|
| <ul> <li>Department of Environment and<br/>Natural Resources (DENR)</li> <li>Construction of Small Water<br/>Impounding System (SWIS)<br/>projects for irrigation of planted<br/>trees within NGP, e-NGP project<br/>areas and Community Based<br/>Forest Management projects<br/>plantation areas.</li> </ul>  |
| <ul> <li>Department of Education</li> <li>Dissemination of IEC materials for<br/>El Niño to schools through<br/>memorandum and social media.</li> <li>Replenishing Self Learning<br/>Modules.</li> <li>Conservation of Mini-Eco Parks.</li> <li>Intensifying WASH in Schools<br/>and Gulayan sa Paaralan</li> <li>Issuance of Regional<br/>Memorandum on Preparedness<br/>measures for El Niño</li> </ul> |

| <br> |                           |                                 |                                     |      |
|------|---------------------------|---------------------------------|-------------------------------------|------|
|      | <b>OFFICE</b><br>MIMARO   |                                 | IVIL DEF                            | ENSE |
|      | El<br>• Iss<br>Ac<br>• Di | Niño.<br>sued PAG<br>dvisories. | DRA Meeting<br>ASA Alert<br>El Niño |      |

D. Scenario

CP Form 3A: Scenario Generation for Natural Hazard

| PARTICULARS<br>(CAN BE CUSTOMIZED) | BAD   | WORSE  | WORST  |
|------------------------------------|---|--|--|
| General Description of Event       | Dry Condition - two (2)<br>consecutive months of below<br>normal (21%-60% reduction from<br>average) rainfall conditions; | Dry spell - three (3)<br>consecutive months of<br>below normal (21%-60%<br>reduction from average)<br>rainfall conditions; or two<br>(2) consecutive months<br>of way below normal<br>(more than 60%<br>reduction from average)<br>rainfall conditions | Drought - three (3)<br>consecutive months of way<br>below normal (>60% reduction<br>from average); or five (5)<br>consecutive months of below<br>normal (21%-60% reduction<br>from average) rainfall<br>condition. |
| No. of Affected Individuals        | 807,140   | 1,614,279  | 3,228,558  |
| No. of Dead                        | 0   | 0  | 7  |
| No. of Affected Farmers            | 66729   | 133459   | 200,188  |

| No. of Affected Fisherfolks           | 39,388 (20% affected)   | 98,469 (50% affected)  | 157,550 (80% affected)                     |
|---------------------------------------|---|--|--|
| No. of MSMEs Enterprises 56,907 msmes | 0%  | 1,707 (3%)   | 3,415 (6%)                                 |
| Source: CMCI FY 2022                  |   |  |  |
| EFFECTS                               |   | I  |  |
|                                       |   | Panic buying;  | Extreme scarcity of food;                  |
|                                       | Issue early warning of food crises:<br>Shortage/Limited food production | Excessive hoarding of food for individual daily consumption; | Global Hunger                              |
| Food Security                         | (crops and livestock)   | Lack/Inadequate<br>production of food<br>supplies            | Severe Hunger leads to severe malnutrition |
|                                       | Market limitation of goods and commodities;                             | Increase in Food Prices -<br>Making food expensive           | Threatening the survival of individuals    |
|                                       | Limited available suppliers;  | to purchase  | Keeping emergency for affected individuals |

|                             |            | Unstable price of goods and commodities   |   |
|-----------------------------|------------|---|---|
| Livelihood                  | Low yield  | Revenue loss<br>Delay in production due<br>to supply shortages of<br>raw materials  | Farm labor layoffs<br>Halt to business production &<br>operation<br>Increase in unemployment<br>rate  |
| Business Operation/Activity | Status quo | <ul> <li>Processing/<br/>manufacturing</li> <li>Reduction in the<br/>source of raw<br/>materials</li> <li>Low production<br/>output</li> <li>Revenue loss up<br/>to 5%</li> </ul> | <ul> <li>Processing/manufacturing <ul> <li>Significant increase in cost of inputs which may result to high production cost</li> <li>Increase prices of goods</li> <li>Revenue loss up to 10%</li> </ul> </li> </ul> |
|                             |            | <i>provider</i><br>- Disruption in<br>business  | <ul> <li>provider</li> <li>Significant increase in price of inputs</li> </ul>   |

|             |   | operation due to<br>water shortage<br>and rotational<br>blackout<br>- Revenue loss up<br>to 20%                                       | <ul> <li>Temporary shutdown of<br/>enterprises consuming<br/>large amount of water<br/>in their business<br/>operation</li> <li>Revenue loss up to<br/>50%</li> </ul>                               |
|-------------|---|---|---|
|             |   |   | <i>Tourism</i> - May affect tourist<br>behavior and travel<br>plans <i>Export</i>   |
|             |   |   | - Revenue loss up to<br>10%   |
| Agriculture | Reduced access to source of<br>water may affect crops and forage<br>growth; food security is<br>threatened. | Low water supply and<br>produce, may result in<br>crop loss;food security is<br>affected,<br>Rising food prices on<br>farmers produce | Reduced water supply in<br>farmland will result in delayed<br>planting and harvesting<br>operations and low crop yield,<br>particularly on rainfed areas<br>and tail-end of the irrigated<br>areas. |
|             |   |   | Decrease in livestock production due to limited   |

|                             |  | lower-quality produce   | water points and pasture,<br>degradation of existing<br>pasture, higher incidence of<br>heat stress for livestock and<br>poultry, and increased<br>outbreaks of transboundary<br>animal diseases. |
|-----------------------------|--|---|---|
|                             |  |   | High cost of agricultural products.   |
| Irrigated Areas (ha) - Rice | Only 90-76% of the programmed areas for irrigation were irrigated. | Only 75%-51% of the programmed areas for irrigation were irrigated. | Only 50% or less of the programmed areas for irrigation were irrigated.   |
| Planted Areas (ha) - Rice   | Only 90-76% of the programmed areas for planting were achieved.    | Only 75%-51% of the programmed areas for planting were achieved.    | Only 50% or less of the programmed areas for planting were achieved.  |
| Harvested Rice(ha) - Rice   | Only 90-76% of the programmed areas for harvest was achieved.      | Only 75%-51% of the programmed areas for harvest was achieved       | Only 50% or less of the programmed areas for harvest were achieved.   |

| Production (MTon) - Rice  | Only 90-76% of the projected rice yield was achieved. | Only 75%-51% of the projected rice yield was achieved | Only 50% or less of the projected rice yield was achieved.                                   |
|---------------------------|---|---|--|
| Palay Area harvested (ha) |   |   | 10%-20% decrease (based on<br>2019 growth rate -El Niño<br>occurrence at the regional level) |
| Corn Area harvested (ha)  |   |   | 6%-32% decrease (based on<br>2019 growth rate -El Niño<br>occurrence at the regional level)  |
| Palay Production (MT)     |   |   | 20%-29% decrease (based on<br>2019 growth rate -El Niño<br>occurrence at the regional level) |
| Corn Production (MT)      |   |   | 14%-40% decrease (based on<br>2019 growth rate -El Niño<br>occurrence at the regional level) |

| Selected High Value Crops   |  |                                      |  |
|-----------------------------|--|--------------------------------------|--|
| Eggplant Production (MT)    |  |                                      | 8%-11% decrease (based on<br>2019 growth rate -El Niño<br>occurrence at the regional level)  |
| Squash Production (MT)      |  |                                      | 1%-3% decrease (based on<br>2019 growth rate -El Niño<br>occurrence at the regional level)   |
| Stringbeans Production (MT) |  |                                      | 1%-10% decrease (based on<br>2019 growth rate -El Niño<br>occurrence at the regional level)  |
| Cassava Production (MT)     |  |                                      | 0.5%-1% decrease (based on<br>2019 growth rate -El Niño<br>occurrence at the regional level)   |
| Power/ Electricity          | Staggered power outages in some areas for 1 week | Widespread power outages for 1 month | Widespread and prolonged<br>power outage for 2 months<br>causing major blackouts that<br>will directly affect business<br>operations and households<br>that will lead to economic loss<br>and disruption of daily life |

| Fisheries           |  |  |   |
|---------------------|--|--|---|
| a. Aquaculture      |  | <ul> <li>early maturity of<br/>fish stock in inland<br/>aquaculture</li> </ul>   | reduce fertility of wild fish<br>occurring natural pathogens<br>such as: vibrio cholerae can<br>contaminate aquaculture<br>products, particularly in water<br>changes parameters; |
|                     |  |  | Loss of biodiversity.   |
| b. Inland Fisheries |  | water level is 80% and below   | Lakes and river temperature<br>start to increase and level is<br>50% below and start to dry up<br>while some aquatic organism<br>start to die off.                                |
| c. Marine Fisheries | changes of temperature drive<br>the fish to move in deeper<br>areas. | <ul> <li>jellyfish blooms</li> <li>wide spread ice-<br/>ice disease to<br/>seaweeds</li> <li>increase<br/>phytoplankton</li> </ul> | decrease of fisheries<br>production due to widespread<br>coral bleaching  |

|                       |  |  | fish kill ( oxygen depletion)  |  |  |
|-----------------------|--|--|--|--|--|
|                       |  |  | threat to marine mammals   |  |  |
|                       |  | Water flow level of<br>streams and rivers starts<br>to decrease its volume | Occurrence of forest/grass fires   |  |  |
| Environment           | Welting of plants leaves   | Fauna starts to be restless  | Scarcity of surface water supply including ground water  |  |  |
|                       |  | Enhance the sea<br>temperature and raise it<br>to 30 degree celsius.       | Elevated sea temperature<br>forcing corals to release<br>zooxanthellae turning them to<br>white.                                     |  |  |
| Domestic water supply | 1 day of complete water outage<br>in scattered areas of MIMAROPA<br>Region | 2 days of complete water<br>outage in 70% of areas<br>in MIMAROPA Region   | 8 days of complete water<br>outage (shortage) among 5<br>provinces in MIMAROPA<br>Region due to increasing<br>demand in water supply |  |  |

| Health | Insufficient Drugs and Medicine due to increasing demands      | Unavailability of Drugs and<br>Medicine due to increasing<br>demands |   |  |  |
|--------|--|--|---|--|--|
| Health | Suspected Mental Health cases                                  | Reported cases of<br>Depressions ,attempted<br>suicide               | Increasing Mental Health<br>(Depression, Suicide, Stress<br>and Anxiety)                                    |  |  |
| Health | Presence of reported cases in<br>Food and Water Borne Diseases | Clustering of reported cases   | Increase Food and water<br>borne diseases (Acute<br>gastroenteritis, cholera,<br>amoebiasis, diarrhea etc.) |  |  |
| Health | Presence of reported cases on<br>Vector Borne Diseases         | Clustering of reported cases   | Increase in Vector Borne<br>Diseases (Dengue,<br>Chikungunya, malaria)                                      |  |  |

| Health | Presence of reported cases on<br>Skin Diseases due to poor<br>hygiene | Increase in Skin Diseases<br>(Rashes, Allergies, and Skin<br>Disease due to poor hygiene) |  |
|--------|---|---|--|
| Health | Presence of reported cases on<br>Lifestyle diseases                   | Increasing of reported<br>Non Communicable<br>Lifestyle dse.                              | Increase number of Lifestyle<br>Diseases (Diabetes,<br>Hypertension, Cardiovascular<br>disease, Heat stroke) |
| Health | Presence of reported cases on<br>Malnutrition                         | Clustering of reported cases  | Malnutrition   |
| Health | Presence of reported cases of<br>Communicable Diseases                | Clustering of reported cases  | Increase in Communicable<br>diseases (Tuberculosis,<br>Respiratory Tract Infection,<br>Pneumonia)            |
| Health | Presence of reported cases on Rabies                                  |   | Increase Rabies Cases  |

|           |   | Increasing of reported  |  |
|-----------|---|---|--|
|           |   | cases   |  |
| Health    | Unsafe Drinking Water   | Insufficient Drinking<br>Water  | No Available Safe Drinking<br>water  |
| Health    |   |   | Death  |
|           | (2) Schools Division (SDO)<br>implement Alternative Delivery<br>Mode due to extreme temperature | (4) Schools Division<br>implement Alternative<br>Delivery Mode due to | All Schools Division<br>implement Alternative Delivery<br>Mode due to extreme<br>temperature |
| Education | 2 SDOs has reported spread of communicable diseases in schools                                  | extreme temperature<br>(4) SDOs has reported                          | All SDOs reported the spread<br>of communicable diseases in<br>schools.m                     |
|           |   | spread of communicable diseases in schools                            | Increased number of drop-out learners.   |

|                  |  | Increased number of severely wasted learners.                                    |
|------------------|--|--|
|                  |  | Increased reported child abuse cases.  |
|                  |  | Looters will raid malls and<br>other establishments to<br>secure food supplies   |
| Law and order    |  | Violence/Conflict - combating<br>the relief goods from intended<br>beneficiaries |
|                  |  | Increased number of protests and riots   |
| Government Trust | people starts (farmers<br>and other affected<br>sectors) complaining | Farmers lose confidence and trust in the government.                             |
|                  | /demanding for<br>government assistance                              | Increased on the number of complaints  |

| Response Capabilities | late response (days) | delayed response<br>(months) | No response due to exhaustion and limited |  |
|-----------------------|----------------------|------------------------------|---|--|
|                       |                      | (montais)                    | resources                                 |  |

# CP Form 4A: Affected Population

| AREA/ LOCATION     | NO. OF FAMILIES<br>AFFECTED | NO. OF INDIVIDUALS<br>AFFECTED | REMARKS |
|--------------------|-----------------------------|--------------------------------|---------|
| ORIENTAL MINDORO   | 181,668                     | 908,339                        |         |
| OCCIDENTAL MINDORO | 105,071                     | 525,354                        |         |

| MARINDUQUE           | 47,842  | 239,207   |  |
|----------------------|---------|-----------|--|
| ROMBLON              | 61,798  | 308,985   |  |
| PALAWAN              | 187,919 | 939,594   |  |
| PUERTO PRINCESA CITY | 61,416  | 307,079   |  |
| TOTAL                | 645,714 | 3,228,558 |  |

The table displays the affected population of drought in all provinces and cities of the MIMAROPA Region. The information portrayed in this table is the overall population of each province and city to take into account the direct and indirect effects of drought that could affect the entire population within the region. The information shows that there are a total of 645, 714 families and 3,228,558 individuals that could be affected by the hazard with the highest population belonging to Palawan and the least belonging to Marinduque. The raw data from PSA is the number of Individuals, this number was then divided by 5 to obtain the number of families which explains the above displayed results.

|                         |            |             |                 | BREAKDOWN                       |         |                |         |               |        |                       |                  |       |   |   |                       |        |
|-------------------------|------------|-------------|-----------------|---------------------------------|---------|----------------|---------|---------------|--------|-----------------------|------------------|-------|---|---|-----------------------|--------|
| AREA/ LOCATION          | NO. OF INI | פ ומנוחועור |                 | (FILL-UP ONLY WHEN APPROPRIATE) |         |                |         |               |        |                       |                  |       |   |   |                       |        |
|                         |            | CTED        | INF/<br>(0-11 M |                                 | -       | DREN<br>BELOW) |         | ULT<br>59 YO) | (60    | PERLY<br>YO &<br>OVE) | & DISABILITY (PW |       |   |   | PREGNA<br>NT<br>WOMAN | OTHERS |
|                         | М          | F           | М               | F                               | М       | F              | М       | F             | М      | F                     | М                | F     | М | F |                       |        |
| ORIENTAL<br>MINDORO     | 460,158    | 448,181     | 9,671           | 8,893                           | 169,887 | 159,070        | 246,098 | 236,083       | 34,502 | 44,135                | 8,912            | 7,481 |   |   | 11,824                |        |
| OCCIDENTAL<br>MINDORO   | 271,450    | 253,904     | 5,816           | 5,522                           | 104,968 | 97,192         | 141,682 | 129,589       | 18,984 | 21,601                | 5,663            | 4,712 |   |   | 7,817                 |        |
| MARINDUQUE              | 120,592    | 118,615     | 2,103           | 1,992                           | 44,418  | 41,260         | 61,318  | 58,755        | 12,753 | 16,608                | 3,772            | 3,417 |   |   | 3,013                 |        |
| ROMBLON                 | 156,429    | 152,556     | 2,758           | 2,638                           | 56,866  | 52,826         | 82,620  | 77,470        | 14,185 | 19,622                | 3,830            | 3,218 |   |   | 4,035                 |        |
| PALAWAN                 | 488,281    | 451,313     | 10,260          | 9,524                           | 186,810 | 175,156        | 257,916 | 231,974       | 33,295 | 34,659                | 7,864            | 6,104 |   |   | 16,070                |        |
| PUERTO<br>PRINCESA CITY | 156,032    | 151,047     | 2,836           | 2,625                           | 50,693  | 47,849         | 91,650  | 88,936        | 10,853 | 11,637                | 6,185            | 5,077 |   |   | 3,994                 |        |
| TOTAL                   | 1,652,942  | 1,575,616   |                 |                                 |         |                |         |               |        |                       |                  |       |   |   |                       |        |

# CP Form 4B: Breakdown of Affected Population

#### Note: Based on 2020 Census of Population

This table displays a breakdown of the overall populations from Table 4A. It shows that there are more Male individuals compared to Female individuals. Additionally, it also indicates the population by age and displays the population of the vulnerable population such as PWD and pregnant women. Further, it indicates that the majority of the population belongs to the age group of adults with ages 18 to 59 years old and the least being infants (0-11 months of age). The table also shows that the largest number of

pregnant women are in Palawan with the least being in Marinduque which correlates to both their respective overall populations. Further, the table also displays the information of Persons with Disabilities with the largest belonging to Oriental Mindoro and the least being Marinduque.

# CHAPTER II. GOALS AND OBJECTIVES

## A. Goal

The goal of the contingency plan is to provide effective, efficient, timely and well-coordinated response mechanisms in the event of the occurrence of severe effects of El Niño in MIMAROPA Region. It primarily addresses the planned response mechanisms to help protect lives, properties, livelihood and the environment, and restore the immediate needs of the affected communities in MIMAROPA Region.

# B. General Objective(s)

The general objectives of the contingency plan are as follows:

- **a.** To ensure the protection of lives, livelihood and properties in the occurrence of severe effects of El Niño in MIMAROPA Region;
- **b.** To determine the immediate needs and the resources that will meet the needs in the event of the severe effects of El Niño;
- c. To establish coordination and linkages between and among the stakeholders of MIMAROPA in the event of severe effects of El Niño.
- **d.** To identify and define roles and responsibilities of all partners and stakeholders involved in the El Niño response operations.
- e. To improve the management and coordination of preparedness, response and recovery arrangements in case of the severe effects of El Niño;

CHAPTER III. RESPONSE ARRANGEMENT

A. Response Clusters

**CP Form 5: Cluster Identification** 

| RESPONSE          | AGENCIES/OFFICES INVOLVED<br>(NUMBER OF FIELDS CAN BE INCREASED OR REDUCED) |                 |        |                    |     |              |             |      |              |              |             | LEAD<br>AGENCY/<br>OFFICE |
|-------------------|---|-----------------|--------|--------------------|-----|--------------|-------------|------|--------------|--------------|-------------|---------------------------|
| CLUSTER           |   |                 |        |                    |     |              |             |      |              |              |             |                           |
| FOOD AND NON-FOOD | LDRRMCs   | DA              | DILG   | DOH/<br>LHONN<br>C | PNP | DTI          | OCD         | PPA  | CSO<br>(PRC) |              |             | DSWD<br>MIMAROPA          |
| HEALTH            | DSWD  | OCD             | DEPED  | PCG                | PNP | NNC          | BFP         | PRC  | DILG         | WESC<br>OM   | LDRR<br>MCs | DOH<br>MIMAROPA           |
| LOGISTICS         | PCG   | SOLCOM<br>& 2ID | WESCOM | BFP,<br>DILG       | PNP | P/CDRR<br>MO | PPA,<br>PRC | CAAP | CSOs         | NIA,<br>DPWH | BFAR        | OCD<br>MIMAROPA           |

| EARLY RECOVERY | LDRRMCs | CSOs/PR<br>C | DOLE    | DA<br>RFO,<br>attache<br>d<br>bureau<br>s and<br>agency,<br>NIA | NWRB,<br>LWUA | DTI                          | DOE,<br>NEA<br>and<br>Power<br>Coopera<br>tives |    |      |      | DSWD<br>MIMAROPA  |
|----------------|---------|--------------|---------|---|---------------|------------------------------|---|----|------|------|-------------------|
| GOVERNANCE     | DTI     | CSC          | PNP     | DENR  | DA            | DOST-<br>PAGASA              |   |    |      |      | DILG<br>MIMAROPA  |
| LAW AND ORDER  | SOLCOM  | WESCOM       | AFP     | BFP   | BJMP          | CSOs/Vo<br>lunteer<br>Groups | PCG   |    |      |      | PRO<br>MIMAROPA   |
| EDUCATION      | DOH/LHO | BFP          | LDRRMCs | NGOs,<br>CSOs,<br>POs   | DILG          | CHED                         | TESDA   | DA | DSWD | DOLE | DEPED<br>MIMAROPA |

| RESPONSE CLUSTER        | LEAD AGENCY/ OFFICE | MEMBER AGENCIES/OFFICES   |
|-------------------------|---------------------|---|
| FOOD AND NON-FOOD ITEMS | DSWD MIMAROPA       | LDRRMC, DILG, DOH/NNC, PNP, DTI, OCD, DA, PPA/CSOs-PRC  |
| HEALTH                  | DOH MIMAROPA        | OCD, DILG, NNC, PNP, PCG, DSWD, DEPED, PRC, WESCOM, LDRRMCs   |
| LOGISTICS               | OCD MIMAROPA        | PCG, SOLCOM, WESCOM, BFP. PNP.<br>LDRRMCs, PPA, CAAP, NIA, DPWH, BFAR   |
| EARLY RECOVERY          | DSWD MIMAROPA       | DA RFO and Attached Bureaus and Agencies,<br>LDRRMCs, PRC, DOH/LHO, PNP, DILG, DOLE,<br>NWRB, LWUA, DTI, DOE, NEA and Power<br>Cooperatives |
| GOVERNANCE              | DILG MIMAROPA       | DTI, DENR, DILG, PNP, DA, CSC   |
| LAW AND ORDER           | PRO MIMAROPA        | SOLCOM, WESCOM, AFP, BFP, BJMP, PCG, CSOs/ Volunteer Group  |
| EDUCATION               | DEPED MIMAROPA      | DOH/LHO, BFP, P/M/CDRRMCS,<br>NGOs/CSOs/POS, DILG, CHED, TESDA, DA,<br>DSWD, DOLE   |

# **RESPONSE CLUSTER IMPLEMENTATION PLAN**

# FOOD AND NON FOOD ITEM CLUSTER

# Lead: Department of Social Welfare and Development (DSWD)

#### Members:

- Local Disaster Risk Reduction Management Council
- Department of Interior and Local Government
- Department of Health/National Nutrition Council
- Philippine National Police
- Department of Trade and Industry
- Office of the Civil Defense
- Department of Agriculture
- Philippine Ports Authority
- Civil Society Organization-Philippine Red Cross

#### Scenario:

PAGASA declares the start of the El Niño phenomenon in the Tropical Pacific and its effects are now expected in the Philippines. The current El Niño is weak but shows signs of strengthening in the coming months. Due to the El Niño, dry spells and dry conditions were already experienced in some provinces of the country. Dry spell is three consecutive months of rainfall condition with 21% to 60% reduction from the average rainfall conditions or two consecutive months with over 60% reduction while during Dry condition means two consecutive months of rainfall with 21% to 60% reduction from the average rainfall. The El Niño will possibly develop in July, August and September and may persist until 2024.

Further, El Niño increases the likelihood of below-normal rainfall conditions that may affect sectors such as water, resources, agriculture, energy, health and public safety, according to PAGASA. Moreso, a total of 645,714 families or 3,228,558 individuals are expected to be extremely affected - 200,188 of which are farmers and 157,550 are fisherfolks.

With this, the DSWD assured the public that the agency has sufficient funds as well as Food and Non-Food Items (FNFIs) that are ready for distribution to those who will be directly affected by the El Niño.

#### **Objectives:**

- To ensure that the management and mobilization of resources including Food and Non-Food items and other commodities are done in an effective, efficient and coordinated manner;
- To provide commodities (Food and Non-Food items) necessary to life to survive in a coordinated, fair and organized manner, while strengthening their coping mechanism and taking into account of their gender and culture;
- To improve and sustain the health and nutritional needs of vulnerable population through provision of Food and Non-Food items
- To lessen the burdens and support the immediate needs of the most affected populace.

- To provide guidance to all member agencies on WHAT TO DO during activation of agency wide response;
- To specify roles and responsibilities of DSWD and other member agencies during response operations.

## **CLUSTER MEMBERS:**

#### **Roles and Responsibilities:**

#### A. Local Disaster Risk Reduction Management Councils of MIMAROPA

#### **Pre - Disaster Phase**

- a. Participates in joint cluster meetings
- b. Provides storage/warehouse for prepositioning of Food and Non-Food items
- c. Maintains enough stockpile of Food and Non-Food items
- d. Designate focal person per area for disaster response operations
- e. Conducts social preparations to the identified beneficiaries
- f. Submit cleaned masterlist signed by the MSWDO, MAO and Local Chief Executive.

#### **During - Disaster Phase**

- a. Facilitates the conduct of validation and assessment of affected farmers and fisherfolks
- b. Undertake distribution of Food and Non Food items
- c. Management of volunteers who will assist in the repacking of FFPs and other identified related activities
- d. Provides status reports of affected populace using DROMIC reporting tool

#### **Post - Disaster Phase**

- a. Ensures timely and complete submission of Relief Distribution Sheet
- b. Provide inputs on the continuing review and enhancement of the guidelines
- c. Attends to the conduct of the regional program implementation review

### **B.** Department of Agriculture

#### **Pre - Disaster Phase**

- a. Conducts membership caravans and/or mobile registration of unregistered farmers and fisherfolks;
- b. Participates in joint cluster meetings

### **During - Disaster Phase**

a. Provides cleaned masterlist of registered affected fisherfolks and farmers

## **Post - Disaster Phase**

- a. Provision of assistance including seeds, livestock, fertilizers, fingerlings and feeds to affected fisherfolks and farmers.
- b. Attends to the conduct of the regional program implementation review

# C. Department of Interior and Local Government

### **Pre - Disaster Phase**

- a. Conduct field monitoring and provision of technical assistance to affected LGUs.
- b. Participates in joint cluster meetings.

## **During - Disaster Phase**

- b. Provides cleaned masterlist of registered affected fisherfolks and farmers.
- c. Assists LGUs to effectively and efficiently deliver services to their constituents.

### **Post - Disaster Phase**

a. Attends to the conduct of the regional program implementation review.

### **D.** Department of Health

### **Pre - Disaster Phase**

- a. Participates in joint cluster meetings.
- b. Spearheads the planning, monitoring, and evaluation of the nutrition of the affected populace.

# **During - Disaster Phase**

- a. Deployment of medical teams to address medical needs of the affected populace.
- b. Take lead on the coordination with other health sectors.

### **Post - Disaster Phase**

a. Spearheads the provision of medical needs of the affected populace

### E. Philippine National Police

#### **Pre - Disaster Phase**

- a. Participates in joint cluster meetings.
- b. Maintain law and order in the affected area as well as where humanitarian actors operate.

### **During - Disaster Phase**

a. Deployment of security personnel during the conduct of massive distribution of Food and Non-Food items.

## F. Department of Trade and Industry

#### **Pre - Disaster Phase**

- a. Participates in joint cluster meetings.
- b. Regulate the price of the commodities and other products.
- c. Sourcing plan to identify which commodities can be purchased locally and which can be need to be procured (abroad) for exportation.

### **During - Disaster Phase**

- a. Overseeing the effective implementation and enforcement of trade regulation and fair trade laws.
- b. Ensures availability of supply of basic necessities.
- c. Provide a list of local MSMEs that have capacity to supply the food package.
- d. Utilize equipment under the Shared Service Facility (SSF) Projects for mass production of food products.

### G. Office of the Civil Defense

#### **Pre - Disaster Phase**

a. Take lead the coordination with other government and non-government agencies for mobility of resources for disaster response operations.

### **During - Disaster Phase**

a. Provide logistical support in hauling and delivery of goods/commodities to affected areas.

## H. Philippine Ports Authority

#### **Pre - Disaster Phase**

- a. Participates in joint cluster meetings
- b. Provides logistics support including transportation of goods from one provinces/city/municipality to another

#### **During - Disaster Phase**

a. Coordinates with shipping companies for the provision of transportation support

### I. Civil Society Organization-Philippine Red Cross

### **During - Disaster Phase**

- a. Provision of assistance of other commodities needed by the affected populace.
- b. Provision of workforce assistance during distribution of Food and Non-Food Items to affected farmers and fisherfolks.

# **CP Form 6: Response Activities**

| RESPONSE CLUSTER: | FOOD AND NON FOOD   |                                 |  |  |
|-------------------|---|---------------------------------|--|--|
| TIMEFRAME         | NEEDS AND RESPONSE ACTIVITIES   | RESPONSIBLE<br>AGENCIES/OFFICES |  |  |
| D+2 weeks         | Provision of logistics support to transport the goods from one province/city/municipality to another  | OCD                             |  |  |
| D+2 weeks         | Provide support from security personnel during the conduct of distribution of Food and Non-Food items   | PNP                             |  |  |
| D+2 weeks         | Preparation of Proposal and other documentary requirement to support the implementation of Emergency Cash Transfer  | DSWD/NDRMMC/DBM                 |  |  |
| D+2 weeks         | Request for replenishment of Standby Funds to ensure the continuity of provision of Food and Non Food items   | DSWD/NDRMMC/DBM                 |  |  |
| D+3 weeks         | Validation of submitted masterlist of farmers and fisherfolks   | P/C/MSWDO and DA                |  |  |
| D+3 days          | Workforce for distribution of Food and Non-Food Items to affected<br>farmers and fisherfolk and validation of submitted masterlist of<br>affected farmers and fisherfolks | DSWD/P/C/MSWDO/DA/MAO           |  |  |
| D+1 week          | Issuance of policy specific for El Niño affected farmers and fisherfolks  | DSWD/DA                         |  |  |
| D+1 month         | Information on the availability of basic goods in the locality  | DTI                             |  |  |
| D+1 month         | Information on the price of basic goods and gasoline  | DTI                             |  |  |



| RESPONSE CLUSTER: | FOOD AND NON FOOD                               |          |  |
|-------------------|---|----------|--|
| AGENCY/OFFICE     | RESOURCE  | QUANTITY | REMARKS  |
| DSWD              | Family Food Packs                               | 82,513   | FNFIs are located at DSWD  |
| DSWD              | Non-Food Items - Hygiene Kits                   | 3,951    | Provincial Warehouses and  |
| DSWD              | Non-Food Items - Collapsible<br>Water Container | 4,277    | Prepositioned at LGU provided Warehouses   |
| VEHICLE FLEET     |   |          |  |
| DSWD              | Wing Van  | 1        | Capacity: 1000 FFP/200 sacks of rice (Serviceable)   |
| DSWD              | Canter Van                                      | 1        | Capacity: 500 FFP/50 sacks of rice (Serviceable)   |
| DSWD              | 4x4 Pick-Up Truck                               | 5        | Serviceable and Available at the SWADT Warehouses  |
| HUMAN RESOURCES   |   |          |  |
| DSWD              | QUICK RESPONSE TEAM<br>MEMBERS                  | 1,342    | Equipped and ready for<br>deployment at any given time:<br>Oriental Mindoro - 248<br>Occidental Mindoro - 166<br>Marinduque - 90<br>Romblon - 151<br>Palawan - 361 |
| DSWD              | Basic Life Support and First Aid                | 292      | Equipped and ready for<br>deployment at any given time   |
| DSWD              | Mental Health and<br>Psychosocial Support       | 123      | Equipped and ready for deployment at any given time  |
| DSWD              | Basic Incident Command System                   | 78       | Equipped and ready for<br>deployment at any given time   |

| DSWD              | Incident Management Team | 27   | Equipped and ready for deployment at any given time |
|-------------------|--------------------------|------|---|
| DTI               | Local food products      |      | Supply food products, Market<br>matching/linkaging  |
| MARINDUQUE PDRRMC | NFA Rice 50kg/sack       | 30   | Stockpiled at PSWDO                                 |
| MARINDUQUE PDRRMC | Corned Beef              | 3150 | Stockpiled at PSWDO                                 |
| MARINDUQUE PDRRMC | Sardines                 | 3150 | Stockpiled at PSWDO                                 |
| MARINDUQUE PDRRMC | Tuna                     | 3150 | Stockpiled at PSWDO                                 |
| MARINDUQUE PDRRMC | Chocolate Drink          | 6000 | Stockpiled at PSWDO                                 |
| MARINDUQUE PDRRMC | 3 in 1 Coffee            | 6000 | Stockpiled at PSWDO                                 |
| MARINDUQUE PDRRMC | OCD -NDRRMC Hygiene Kits | 450  | PGSO Warehouse                                      |

# **CP Form 8: Resource Projection**

| RESPONSE<br>CLUSTER                                | FOOD AND NON FOOD |        |                       |   |  |   |
|--|-------------------|--------|-----------------------|---|--|---|
| RESOURCE   | NEED              | HAVE   | GAPS<br>(NEED – HAVE) | ACTIVITIES/<br>SOURCES TO<br>FILL THE GAPS  | COST<br>ESTIMATES<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) | SOURCE OF<br>FUNDS<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) |
| Family Food<br>Packs                               | 2,258,856         | 82,513 | 2,177,343             | Continuous<br>replenishment of<br>goods & stand by<br>funds<br>Request to<br>NRLMB DSWD | 1,959,608,700  | QRF   |
| Non-Food Items -<br>Hygiene Kits                   | 645,714           | 3,951  | 641,763               | Continuous<br>replenishment of<br>goods & stand by<br>funds<br>Request to<br>NRLMB DSWD | 826,590,744  | QRF   |
| Non-Food Items -<br>Collapsible Water<br>Container | 645,714           | 4,277  | 641,437               | Continuous<br>replenishment of<br>goods & stand by<br>funds<br>Request to<br>NRLMB      | 224,502,950  | QRF   |
| Wing Van   | 6                 | 1      | 5                     | Request to DRMG<br>for possible<br>funding support                                      | 15,000,000   | Capital Outlay-<br>DRRP                                     |

| Emergency Cash<br>Transfer |  | Consultation<br>Dialogue<br>Social<br>Preparation<br>Payout<br>Implementation | 5,152,797,720 |  |
|----------------------------|--|---|---------------|--|
|                            |  | TOTAL   | 8,178,500,114 |  |

## **RESPONSE CLUSTER IMPLEMENTATION PLAN**

## HEALTH CLUSTER

#### Lead: Department of Health (DOH)

#### Members:

- Office of the Civil Defense
- Western Command
- Philippine National Police
- Armed Forces of the Philippines
- Department of Interior and Local Government
- Department of Education
- Philippine Red Cross
- Local Disaster Risk Reduction Management Council

#### **Objectives:**

 The Health Cluster comprising the Health, WASH, Nutrition and MHPSS subclusters of the DOH aims to provide support for the delivery of appropriate and timely health services to the affected population.

#### **Specific Objectives:**

- 1. Manage injuries, acute conditions, save lives.
- 2. To prevent and control spread of communicable and non-communicable diseases.
- 3. To assess Wash conditions in the evacuation area.
- 4. To conduct water quality surveillance, disinfection and treatment and ensure provision of sanitation facilities, excrete disposal and solid waste management.

#### Rationale:

In emergencies and disasters, the delivery of appropriate and timely public health and medical interventions is critical in order to save lives and decrease preventable mortalities, morbidities, injuries and disabilities during the times of El niño.

It was headed by the Department of Health through its Health Emergency Management Bureau in collaboration with the local government units and key stakeholders which is tasked to lead four (4) key sub-clusters:

a. Health (Public Health and Medical)

- b. Water Sanitation and Hygiene(WASH)
- c. Nutrition
- d. Mental Health and Psychosocial Support

#### MEDICAL AND PUBLIC HEATH, WASH NUTRITION AND MHPSS

#### Pre - Disaster Phase

- a. Raising of code alert
- b. Prepositioning of Drugs and Medicines.
- c. Prepositioning of Health logistics.

#### **During - Disaster Phase**

- a. Deploy medical response teams and employ the Incident Command System with the Incident Commander on the ground.
- b. Report and coordinate with advanced command post of the affected LGU
- c. Provide Rapid health assessment related to El Niño
- d. Surveillance in Post Extreme Emergencies and Disaster (SPEED) activation.
- e. Provision of health services such as vaccinations and MHPSS.
- f. Alerted PDOHO and RHU of the affected Provinces/Cities. Municipalities

#### Medical and Public Health

- a. Conduct Rapid Health Assessment (RHA).
- b. Surveillance in Post Extreme Emergencies and Disaster (SPEED) activation.
- c. Deploy of medical teams on affected areas.
- d. Augment logistics.
- e. Provide health services (e.g. general consultation and treatment, vaccinations, reproductive health services, health education, promotion, and advocacy including hygiene, nutrition, and psychosocial support, etc.).
- f. Provide hospital services on affected population.
- g. Perform patient referral/ conduction to other hospitals.
- h. Provide continuous monitoring and reporting.
- i. Attend coordination meetings.
- j. Coordinate health sector response.
- k. Documentation.

## WASH

- a. Assist in Rapid WASH Assessment
- b. Augment WASH logistics (e.g. water containers, water disinfectants, and water testing reagents.
- c. Augment provision of safe drinking water through the mobilization of water treatment units, water distribution tanks, and water storage tanks for the affected communities.
- d. Coordinate the provision/distribution of adequate water supply for WASH cluster members and partners
- e. Continuous monitoring and reporting of WASH activities and service.
- f. Conduct coordination activities regarding WASH Cluster response.
- g. Documentation

## Nutrition

- a. Assist in Rapid Nutrition Assessment of survivors especially the children
- b. Augment Nutrition logistics (e.g. Vitamin A, multiple micro-nutrient packs, ferrous sulfate and folic acid, MUAC tapes, weighing scale, weight-for-height reference table, height board, breast-feeding kit)
- c. Coordinate the following: provision of ready-to-use supplementary and therapeutic food (RUTF/RUSF); human milk banking from Nutrition cluster members and survivors
- d. Assist in the conduct of general and blanket supplementary feeding
- e. Coordinate the mobilization of nutrition assessment teams, infant feeding, and breastfeeding support groups
- f. Assist in the referral of severely malnourished patients to appropriate facilities
- g. Continuous monitoring and reporting of Nutrition cases and interventions
- h. Conduct coordination activities regarding Nutrition response

## MHPSS

- a. Assist in Rapid MHPSS Assessment
- b. Augment psychotropic medications
- c. Coordinate the mobilization of MHPSS teams
- d. Assist in the following: provision of psychological first aid; activation of community and family support systems; and provision of other specialized MHPSS services
- e. Assist in the referral of cases to higher level of care
- f. Continuous monitoring and reporting of MHPSS cases and interventions
- g. Conduct coordination activities regarding MHPSS Cluster response

## **CLUSTER MEMBERS:**

#### **Roles and Responsibilities:**

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

- a. Assist in the provision of medical and health emergency services to the affected population in coordination with the Health Cluster Lead or the head of the deployed emergency health teams.
- b. Take the lead in the provision of MHPSS and refer to the Health Cluster patients needing specialized care.
- c. Coordinate with Health Cluster regarding milk donations.
- d. Take the lead in the provision of Food and Non-Food to the affected survivors and responders.
- e. Standby Disaster Response Team QRT,SWAD for possible deployment.

#### B. Office of Civil Defense (OCD)

- a. Assist Health Cluster in the transport of medical teams and health logistics.
- b. Provide space in OCD logistics hubs for prepositioning of health logistics.
- c. Refer health related donations to the Health Cluster for clearance prior to acceptance.
- d. Copy furnish Health Cluster with the post mission of the health component of foreign military teams involved in medical missions.
- e. Provide Health Cluster access to emergency telecommunications facilities.
- f. Provision of Logistical support to the member-agencies.
- g. 24/7 operations

#### C. AFP SOLCOM & WESCOM

- a. Provision of transport for Health Cluster personnel and logistics.
- b. Coordinate with the Health Cluster alive victims from search and rescue operations.
- c. Take the lead in the provision of MHPSS services for military personnel and families and refer to the Health Cluster patients needing specialized care
- d. Provide Health Cluster access to use of military health facilities if needed
- e. Provide Health Cluster reports on medical missions conducted

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

- a. Facilitate coordination of DOH with LCEs for Health Cluster Operations.
- b. Assist the Health Response Teams in coordinating with the LCEs in the affected provinces/cities/municipalities.

#### E. Philippine National Police (PNP) RO MIMAROPA and Philippine Maritime

- a. Provide security for health teams and logistics in disaster areas through PPOS.
- b. Provide transport for Health Cluster personnel and logistics if available.
- c. Coordinate with Health Cluster on the movement and activities of their health personnel.
- d. Refer to the Health Cluster victims of violence and patients needing specialized care.
- e. Provide Health Cluster access to use of police health facilities.
- f. Provide Health Cluster reports on medical missions conducted.
- g. Standby Disaster Response team for possible deployment

#### F. Bureau of Fire Protection (BFP)

- a. Coordinate with Health Cluster on the movement and activities of their health personnel.
- b. Assist Health Cluster in the distribution of water supply, and cleaning/ clearing of health facilities.
- c. Provide Health Cluster reports on medical missions conducted.
- d. Standby Disaster Response Teams for possible deployment to assist the PCG in the search and retrieval operations

#### G. Department of Education (DepEd)

a. Take the lead in the provision of MHPSS services in schools and refer to the Health Cluster patients needing specialized care both the survivors and the responders.

#### H. Philippine Red Cross (PRC)

- a. Assist in Health Cluster Operations.
- b. Assist Health Cluster in the provision of logistics.
- c. Provide Health Cluster reports on relevant activities conducted.

## I. Local Disaster Risk Reduction and Management Councils of MIMAROPA

- a. Assist Health Cluster in the transport of medical teams and health logistics.
- b. Provide warehousing for prepositioning of health logistics in locality.
- c. Copy furnish Health Cluster with the post mission of the health component of foreign military teams involved in medical missions.
- d. Provide Health Cluster access to emergency telecommunications facilities
- e. Provision of Logistical support to the member-agencies

# **CP Form 6: Response Activities**

| <b>RESPONSE CLUSTER:</b> | HEALTH  | HEALTH                          |  |  |  |  |
|--------------------------|---|---------------------------------|--|--|--|--|
| TIMEFRAME                | NEEDS AND RESPONSE ACTIVITIES   | RESPONSIBLE<br>AGENCIES/OFFICES |  |  |  |  |
| D - 3 Months             | <b>Coordination with Expanded Program on Immunization</b> (EPI, RE: Enough Supply of Vaccine and Proper Storage)  | Department of Health            |  |  |  |  |
| D - 3 Months             | Developing IEC Materials Highlighting "El-Niño on Health"   | Department of Health            |  |  |  |  |
| D - 3 Months             | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities - Cotrimoxazole (Sulfamethoxazole + Trimethoprim) 400 mg<br>+ 80 mg Tablet 100 tablets/box | Department of Health            |  |  |  |  |
| D - 3 Months             | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities - Cotrimoxazole (Sulfamethoxazole + Trimethoprim) 400 mg<br>+ 80 mg/5 mL, 60 mL Suspension | Department of Health            |  |  |  |  |
| D - 3 Months             | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities - Cotrimoxazole (Sulfamethoxazole + Trimethoprim) 800<br>mg+160 mg Tablet 100 tablets/box  | Department of Health            |  |  |  |  |
| D - 3 Months             | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Amoxicillin 250 mg Capsule (100 capsule/box)   | Department of Health            |  |  |  |  |
| D - 3 Months             | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Amoxicillin 250 mg/5 mL, 60 mL Suspension  | Department of Health            |  |  |  |  |
| D - 3 Months             | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Amoxicillin 500 mg Capsule (100 capsule/box)   | Department of Health            |  |  |  |  |
| D - 3 Months             | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Mefenamic Acid 250 mg Capsule (100 capsule/box)  | Department of Health            |  |  |  |  |
| D - 3 Months             | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Mefenamic Acid 500 mg Capsule (100 capsule/box)  | Department of Health            |  |  |  |  |
| D - 3 Months             | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Paracetamol 100 mg/ml, 15 mL Drops   | Department of Health            |  |  |  |  |
| D - 3 Months             | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Paracetamol 120 mg/5 mL (125 mg/5 mL), 60 mL Bottle  | Department of Health            |  |  |  |  |

| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Paracetamol 500 mg Tablet (100 tablets/box)                           | Department of Health |
|--------------|--|----------------------|
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Oral Rehydration Salts (ORS 75-replacement) 20.5 g<br>Sachet          | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Lagundi 600 mg Tablet (60 tablet/ box)                                   | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Lagundi 300 mg/5 mL, 120 mL Syrup                                     | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Silver Sulfadiazine Cream 1%, 25 g Tube                                  | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Amlodipine 10mg Tablet (100tablets/box)                                  | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Amlodipine 5mg Tablet (tablets/box)                                      | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Vitamin B1 B6 B12 100 mg + 5 mg + 50 mcg Tablet (100<br>tablets/ box) | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Ascorbic Acid (Vitamin C) 500 mg Tablet                               | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Ascorbic Acid (Vitamin C) 100 mg/5ml, 15 ml Oral drops                | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Ascorbic Acid (Vitamin C) 100mg/5ml, 120 ml Syrup                     | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Cetirizine 1mg/ml, 60 ml Bottle                                       | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Cetirizine 10mg Tablet (100 tablets/box)                              | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Metoclopramide 10mg Tablet (100 tablets/box)                          | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Metoclopramide 5mg/5ml, 60 ml Syrup                                   | Department of Health |

| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Metformin Hydrochloride 500 mg Film-coated Tablet (100<br>tablets/box)              | Department of Health |
|--------------|--|----------------------|
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Multivitamins for adults capsule (100 capsule/box)                                     | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Metropolol (as Tartrate) 50 mg Tablet (100 tablet/box)                                 | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Azithromycin 500 mg tablet (3 tablets/box)  | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Azithromycin suspension 200 mg/5ml, 15 ml bottle                                       | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Cefuroxime 500 mg tablet 100 tablet/box   | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Cefuroxime 125 mg/5ml, 70 ml suspension  | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Zinc 55 mg/ml (Equiv to 20 mg Elemental Zinc), 60 ml syrup                          | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Zinc 27.5 mg/ml (Equiv to 10 mg Elemental Zinc), 15 ml<br>Oral drops                | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Sambong 500 mg tablet, 100 tablet/box   | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Omeprazole 40 mg Capsule 30 capsule/box   | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Mupirocin Cream 2%, 5g tube  | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Ferrous Sulfate 30 mg Elemental Iron/5ml, 60 ml Syrup                               | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Ferrous Salt + Folic Acid 60 mg Elemental Iron + 400mcg<br>capsule                  | Department of Health |
| D - 3 Months | <b>Prepositioning of Drugs and Medicines in 5 provinces and 2</b><br><b>cities</b> Losartan + Hydrochlorothiazide 50mg+12.5 mg tablet, 50<br>tablets/box | Department of Health |

| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Losartan 100mg tablet 30 tablets/box  | Department of Health |
|--------------|--|----------------------|
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Doxycycline 100 mg/cap (100s)  | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Ketoconazole 2%, 15g antifungal cream   | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Troclosene sodium 67mg + / - 5mg effervescent tablet, for<br>water purification   | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2<br>cities Simvastatin 20mg/tablet (100 tablets/box)   | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Atorvastatin 20mg/tablet (100 tablets/box)   | Department of Health |
| D - 3 Months | Prepositioning of Drugs and Medicines in 5 provinces and 2 cities Atorvastatin 40mg/tablet (100 tablets/box)   | Department of Health |
| D - 3 Months | <ul> <li>Prepositioning of Drugs and Medicines in 5 provinces and 2 cities</li> <li>1. Chlorpromazine 100 mg/tab (100s/box)</li> <li>2. Olanzapine 10 mg/tab (100s/box)</li> <li>3. Risperidone 2 mg/tab (100s/box)</li> <li>4. Fluoxetine 20 mg/capsule (100s/box)</li> <li>5. Escitalopram 10 mg/tab (100s/box)</li> </ul> | Department of Health |
| D - 3 Months | Prepositioning of Medical Supplies in 5 provinces and 2 cities<br>Collapsible Jerry Cans (20L)   | Department of Health |
| D - 1 Month  | Hiring of Human Resource for Health  | Department of Health |
| D - 1 Month  | Procurement of Laptops and ICT Equipment   | Department of Health |
| D - 6 Months | Lobbying of Funds to the Execom Committee for Operational,<br>Functional, and Medical Assistance   | Department of Health |
| D - 6 Months | Procurement of Generator Set   | Department of Health |
| D + 3 Days   | Conduct of MHPSS for the affected population   | Department of Health |

| D + 3 Days | Nutrition in Emergencies                     | Department of Health |  |
|------------|--|----------------------|--|
| D + 3 Days | Conduct of Water and Sanitation Hygiene      | Department of Health |  |
| D + 3 Days | Deployment of Public Health and Medical Team | Department of Health |  |

## CP Form 7: Resource Inventory

| RESPONSE CLUSTER: | HEALTH  |   |  |  |  |
|-------------------|---|---|--|--|--|
| AGENCY/OFFICE     | RESOURCE  | QUANTITY  | REMARKS                                      |  |  |
| DOH MIMAROPA      | collapsible Jerry Cans (20L)  |   | For Prepositioning of Drugs and<br>Medicines |  |  |
| DOH MIMAROPA      | Cotrimoxazole (Sulfamethoxazole<br>+ Trimethoprim) 400 mg + 80 mg<br>Tablet 100 tablets/box | 65 box  | For Prepositioning of Drugs and<br>Medicines |  |  |
| DOH MIMAROPA      | Cotrimoxazole (Sulfamethoxazole<br>+ Trimethoprim) 400 mg + 80 mg/5<br>mL, 60 mL Suspension |   | For Prepositioning of Drugs and<br>Medicines |  |  |
| DOH MIMAROPA      | Cotrimoxazole (Sulfamethoxazole<br>+ Trimethoprim) 800 mg+160 mg<br>Tablet 100 tablets/box  | noxazole (Sulfamethoxazole 60 Fo<br>nethoprim) 800 mg+160 mg Md |  |  |  |
| DOH MIMAROPA      | Amoxicillin 250 mg Capsule (100 capsule/box)  | 144 box   | For Prepositioning of Drugs and<br>Medicines |  |  |
| DOH MIMAROPA      | Amoxicillin 250 mg/5 mL, 60 mL<br>Suspension  |   | For Prepositioning of Drugs and<br>Medicines |  |  |
| DOH MIMAROPA      | Amoxicillin 500 mg Capsule (100 capsule/box)  | 31 box  | For Prepositioning of Drugs and<br>Medicines |  |  |
| DOH MIMAROPA      | Mefenamic Acid 250 mg Capsule (100 capsule/box)   | 75 box  | For Prepositioning of Drugs and<br>Medicines |  |  |
| DOH MIMAROPA      | Mefenamic Acid 500 mg Capsule (100 capsule/box)   | 142 box   | For Prepositioning of Drugs and<br>Medicines |  |  |
| DOH MIMAROPA      | Paracetamol 100 mg/ml, 15 mL<br>Drops   |   | For Prepositioning of Drugs and<br>Medicines |  |  |

| DOH MIMAROPA | Paracetamol 120 mg/5 mL (125 mg/5 mL), 60 mL Bottle                   |               | For Prepositioning of Drugs and<br>Medicines |
|--------------|---|---------------|--|
| DOH MIMAROPA | Paracetamol 500 mg Tablet (100 tablets/box)                           | 43 box        | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Oral Rehydration Salts (ORS 75-<br>replacement) 20.5 g Sachet         | 1,436         | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Lagundi 600 mg Tablet (60 tablet/<br>box)                             | 1,200 tablet  | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Lagundi 300 mg/5 mL, 120 mL<br>Syrup                                  | 101 bottle    | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Silver Sulfadiazine Cream 1%, 25 g<br>Tube                            |               | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Amlodipine 10mg Tablet<br>(100tablets/box)                            | 2,400 tablet  | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Amlodipine 5mg Tablet<br>(tablets/box)                                | 171 box       | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Vitamin B1 B6 B12 100 mg + 5 mg<br>+ 50 mcg Tablet (100 tablets/ box) | 91 box        | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Ascorbic Acid (Vitamin C) 500 mg<br>Tablet                            | 8 box         | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Ascorbic Acid (Vitamin C) 100<br>mg/5ml, 15 ml Oral drops             | 5 bottle      | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Ascorbic Acid (Vitamin C)<br>100mg/5ml, 120 ml Syrup                  | 101 bottle    | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Cetirizine 1mg/ml, 60 ml Bottle                                       | 23 bottle     | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Cetirizine 10mg Tablet (100 tablets/box)                              | 67 bottle     | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Metoclopramide 10mg Tablet (100 tablets/box)                          | 1,800 tablet  | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Metoclopramide 5mg/5ml, 60 ml<br>Syrup                                | 100 bottle    | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Metformin Hydrochloride 500 mg<br>Fil-coated Tablet (100 tablets/box) | 18,000 tablet | For Prepositioning of Drugs and<br>Medicines |

| DOH MIMAROPA | Multivitamins for adults capsule (100 capsule/box)                       | 85 box       | For Prepositioning of Drugs and<br>Medicines |
|--------------|--|--------------|--|
| DOH MIMAROPA | Metropolol (as Tartrate) 50 mg<br>Tablet (100 tablet/box)                | 900 tablet   | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Azithromycin 500 mg tablet ( 3 tablets/box)                              |              | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Azithromycin suspension 200 mg/5ml, 15 ml bottle                         |              | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Cefuroxime 500 mg tablet 100 tablet/box                                  | 1,440 tablet | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Cefuroxime 125 mg/5ml, 70 ml suspension                                  | 108 bottle   | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Zinc 55 mg/ml (Equiv to 20 mg Elemental Zinc), 60 ml syrup               | 40 bottle    | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Zinc 27.5 mg/ml (Equiv to 10 mg Elemental Zinc), 15 ml Oral drops        | 50 bottle    | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Sambong 500 mg tablet, 100 tablet/box                                    |              | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Omeprazole 40 mg Capsule 30 capsule/box                                  |              | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Mupirocin Cream 2%, 5g tube  | 15 tubes     | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Ferrous Sulfate 30 mg Elemental<br>Iron/5ml, 60 ml Syrup                 | 13 bottles   | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Ferrous Salt + Folic Acid 60 mg<br>Elemental Iron + 400mcg capsule       |              | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Losartan + Hydrochlorothiazide<br>50mg+12.5 mg tablet, 50<br>tablets/box | 22 boxes     | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Losartan 100mg tablet 30<br>tablets/box                                  | 133 boxes    | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Doxycycline 100 mg/cap (100s)  | 13 boxes     | For Prepositioning of Drugs and<br>Medicines |

| DOH MIMAROPA | Ketoconazole 2%, 15g antifungal cream  | 206 tubes | For Prepositioning of Drugs and Medicines    |
|--------------|--|-----------|--|
| DOH MIMAROPA | Troclosene sodium 67mg + / -<br>5mg effervescent tablet, for water<br>purification |           | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Chlorpromazine 100 mg/tablet   |           | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Olanzapine 10 mg/tablet  |           | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Risperidone 2 mg/tablet  |           | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Fluoxetine 20 mg/capsule<br>(Antidepressant medicines)                             |           | For Prepositioning of Drugs and<br>Medicines |
| DOH MIMAROPA | Escitalopram 10mg/ tablet<br>(Antidepressant/Anti-anxiety<br>medicines)            |           | For Prepositioning of Drugs and<br>Medicines |

# **CP Form 8: Resource Projection**

| RESPONSE  | FOOD AND NON FOOD |      |                       |  |  |   |  |
|---|-------------------|------|-----------------------|--|--|---|--|
| CLUSTER   |                   |      |                       |  |  |   |  |
| RESOURCE  | NEED              | HAVE | GAPS<br>(NEED – HAVE) | ACTIVITIES/<br>SOURCES TO<br>FILL THE GAPS | COST<br>ESTIMATES<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) | SOURCE OF<br>FUNDS<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) |  |
| Collapsible Jerry<br>Cans (20L)   | 129,142           | 0    | 129,142               | Procurement                                | 71,028,650   | DOH   |  |
| Cotrimoxazole<br>(Sulfamethoxazole +<br>Trimethoprim) 400<br>mg + 80 mg Tablet<br>100 tablets/box | 68,163            | 65,  | 68,098                | Procurement                                | 117,241  | DOH   |  |
| Cotrimoxazole<br>(Sulfamethoxazole +<br>Trimethoprim) 400<br>mg + 80 mg/5 mL, 60<br>mL Suspension | 47,479            | 60   | 47,419                | Procurement                                | 1,661,793  | DOH   |  |
| Cotrimoxazole<br>(Sulfamethoxazole +<br>Trimethoprim) 800<br>mg+160 mg Tablet<br>100 tablets/box  | 79,097            | 0    | 79,097                | Procurement                                | 477,146  | DOH   |  |
| Amoxicillin 250 mg<br>Capsule (100<br>capsule/box)  | 47,479            | 144  | 47,335                | Procurement                                | 332,358  | DOH   |  |

| Amoxicillin 250 mg/5<br>mL, 60 mL<br>Suspension                     | 4,747  | 0     | 4,747  | Procurement | 3,798,384  | DOH |
|---|--------|-------|--------|-------------|------------|-----|
| Amoxicillin 500 mg<br>Capsule (100<br>capsule/box)                  | 79,097 | 31    | 79,066 | Procurement | 272,734    | DOH |
| Mefenamic Acid 250<br>mg Capsule (100<br>capsule/box)               | 47,479 | 75    | 47,404 | Procurement | 66,472     | DOH |
| Mefenamic Acid 500<br>mg Capsule (100<br>capsule/box)               | 79,097 | 142   | 77,655 | Procurement | 545,310    | DOH |
| Paracetamol 100<br>mg/ml, 15 mL Drops                               | 2,586  | 0     | 2,586  | Procurement | 581,760    | DOH |
| Paracetamol 120<br>mg/5 mL (125 mg/5<br>mL), 60 mL Bottle           | 4,747  | 0     | 4,747  | Procurement | 997,075    | DOH |
| Paracetamol 500 mg<br>Tablet (100<br>tablets/box)                   | 79,097 | 43    | 79,054 | Procurement | 150,003    | DOH |
| Oral Rehydration<br>Salts (ORS 75-<br>replacement) 20.5 g<br>Sachet | 64,577 | 1,463 | 63,114 | Procurement | 450,065    | DOH |
| Lagundi 600 mg<br>Tablet (60 tablet/<br>box)                        | 79,097 | 1,200 | 77,897 | Procurement | 189,919    | DOH |
| Lagundi 300 mg/5<br>mL, 120 mL Syrup                                | 47,479 | 101   | 47,378 | Procurement | 5,060,985  | DOH |
| Silver Sulfadiazine<br>Cream 1%, 25 g<br>Tube                       | 79,097 | 0     | 79,097 | Procurement | 10,265,286 | DOH |

| Amlodipine 10mg<br>Tablet<br>(100tablets/box)                               | 79,097 | 2,400  | 76,697 | Procurement | 345,656   | DOH |
|---|--------|--------|--------|-------------|-----------|-----|
| Amlodipine 5mg<br>Tablet (tablets/box)                                      | 79,097 | 171    | 78,926 | Procurement | 355,939   | DOH |
| Vitamin B1 B6 B12<br>100 mg + 5 mg + 50<br>mcg Tablet (100<br>tablets/ box) | 79,097 | 91     | 79,006 | Procurement | 870,073   | DOH |
| Ascorbic Acid<br>(Vitamin C) 500 mg<br>Tablet                               | 79,097 | 8      | 79,089 | Procurement | 166,104   | DOH |
| Ascorbic Acid<br>(Vitamin C) 100<br>mg/5ml, 15 ml Oral<br>drops             | 2,585  | 5      | 2,580  | Procurement | 95,667    | DOH |
| Ascorbic Acid<br>(Vitamin C)<br>100mg/5ml, 120 ml<br>Syrup                  | 47,479 | 101    | 47,378 | Procurement | 1,462,377 | DOH |
| Cetirizine 1mg/ml, 60<br>ml Bottle  | 47,479 | 23     | 47,456 | Procurement | 3,560,985 | DOH |
| Cetirizine 10mg<br>Tablet (100<br>tablets/box)                              | 79,097 | 67     | 79,030 | Procurement | 2,135,635 | DOH |
| Metoclopramide<br>10mg Tablet (100<br>tablets/box)                          | 79,097 | 1,800  | 77,297 | Procurement | 158,195   | DOH |
| Metoclopramide<br>5mg/5ml, 60 ml<br>Syrup                                   | 47,479 | 100    | 47,379 | Procurement | 1,186,995 | DOH |
| Metformin<br>Hydrochloride 500<br>mg Film-coated                            | 79,097 | 18,000 | 61,097 | Procurement | 1,257,651 | DOH |

| Tablet (100<br>tablets/box)  |         |       |         |             |            |     |
|--|---------|-------|---------|-------------|------------|-----|
| Multivitamins for<br>adults capsule (100<br>capsule/box)                   | 79,097  | 85    | 79,012  | Procurement | 300,593    | DOH |
| Metropolol (as<br>Tartrate) 50 mg<br>Tablet (100<br>tablet/box)            | 79,097  | 900   | 78,197  | Procurement | 197,744    | DOH |
| Azithromycin 500 mg<br>tablet ( 3 tablets/box)                             | 79,097  | 0     | 79,097  | Procurement | 9,419,712  | DOH |
| Azithromycin<br>suspension 200<br>mg/5ml, 15 ml bottle                     | 47,479  | 0     | 47,479  | Procurement | 14,196,460 | DOH |
| Cefuroxime 500 mg<br>tablet 100 tablet/box                                 | 79,097  | 1,440 | 77,657  | Procurement | 1,801,843  | DOH |
| Cefuroxime 125<br>mg/5ml, 70 ml<br>suspension                              | 47,479  | 108   | 47,371  | Procurement | 9,938,399  | DOH |
| Zinc 55 mg/ml<br>(Equiv to 20 mg<br>Elemental Zinc), 60<br>ml syrup        | 47,479  | 40    | 47,439  | Procurement | 1,994,151  | DOH |
| Zinc 27.5 mg/ml<br>(Equiv to 10 mg<br>Elemental Zinc), 15<br>ml Oral drops | 2,585   | 50    | 2,535   | Procurement | 175,820    | DOH |
| Sambong 500 mg<br>tablet, 100 tablet/box                                   | 79,097  | 0     | 79,097  | Procurement | 514,134    | DOH |
| Omeprazole 40 mg<br>Capsule 30<br>capsule/box                              | 79,097  | 0     | 79,097  | Procurement | 3,796,684  | DOH |
| Mupirocin Cream<br>2%, 5g tube   | 126,577 | 15    | 126,562 | Procurement | 9,954,432  | DOH |

| Ferrous Sulfate 30<br>mg Elemental<br>Iron/5ml, 60 ml | 47,479  | 16  | 47,463  | Procurement | 1,139,515 | DOH |
|---|---------|-----|---------|-------------|-----------|-----|
| Syrup   |         |     |         |             |           |     |
| Ferrous Salt + Folic                                  |         |     |         |             |           |     |
| Acid 60 mg  | 79,097  | 0   | 79,097  | Procurement | 153,368   | DOH |
| Elemental Iron +                                      |         |     |         |             |           |     |
| 400mcg capsule  |         |     |         |             |           |     |
| Losartan +  |         |     |         |             |           |     |
| Hydrochlorothiazide                                   | 79,097  | 22  | 79,075  | Procurement | 396,278   | DOH |
| 50mg+12.5 mg  |         |     |         |             |           |     |
| tablet, 50 tablets/box                                |         |     |         |             |           |     |
| Losartan 100mg  | 79,097  | 133 | 78,964  | Procurement | 552,101   | DOH |
| tablet 30 tablets/box                                 |         |     |         |             |           |     |
| Doxycycline 100                                       | 79,097  | 13  | 79,084  | Procurement | 954,493   | DOH |
| mg/cap (100s)   |         |     |         |             |           |     |
| Ketoconazole 2%,                                      | 129,142 | 206 | 128,936 | Procurement | 7,838,837 | DOH |
| 15g antifungal cream                                  |         |     |         |             |           |     |
| Troclosene sodium                                     |         |     |         |             |           |     |
| 67mg + / - 5mg  | 129,142 | 0   | 129,142 | Procurement | 645,511   | DOH |
| effervescent tablet,                                  |         |     |         |             |           |     |
| for water purification                                |         |     |         |             |           |     |
| Chlorpromazine 100                                    | 79,097  | 0   | 79,097  | Procurement | 257,659   | DOH |
| mg/tablet   |         |     |         |             |           |     |
| Olanzapine 10   | 79,097  | 0   | 79,097  | Procurement | 1,243,989 | DOH |
| mg/tablet   |         |     |         |             | , ,       |     |
| Risperidone 2   | 79,097  | 0   | 79,097  | Procurement | 3,953,500 | DOH |
| mg/tablet   |         |     |         |             |           |     |
| Fluoxetine 20   |         |     |         |             |           |     |
| mg/capsule  | 79,097  | 0   | 79,097  | Procurement | 1,779,075 | DOH |
| (Antidepressant                                       |         |     |         |             |           |     |
| medicines)  |         |     |         |             |           |     |
| Escitalopram 10mg/                                    | 79,097  | 0   | 79,097  | Procurement | 1,431,439 | DOH |
| tablet  |         |     |         |             | · · ·     |     |
|   |         | 1   | 1       | 1           |           |     |

| (Antidepressant/Anti-<br>anxiety medicines) |  |  |       |             |  |
|---|--|--|-------|-------------|--|
|   |  |  | TOTAL | 180,226,195 |  |

\*\*\* The price Based on DPRI - as of July 26, 2023 5th Edition - Price May Vary depends on the latest edition\*\*

## **RESPONSE CLUSTER IMPLEMENTATION PLAN**

## LOGISTICS CLUSTER

#### Lead: Office of Civil Defense MIMAROPA (OCD)

#### Members:

- Western Command
- Southern Luzon Command
- Bureau of Fire Protection
- Police Regional Office MIMAROPA
- Philippine Ports Authority
- Coast Guard District Southern Tagalog
- Coast Guard District Palawan
- Civil Aviation Authority of the Philippine
- Department of Public Works and Highways
- National Irrigation Agency
- Local Disaster Risk Reduction Management Council

#### **Specific Objectives:**

To provide efficient and effective strategic emergency logistics services to all clusters deployed and encourage regular info-sharing among all stakeholders and other partners on emergency road network, status of critical infrastructure/lifelines, etc. The Cluster also formulates, updates, implements and monitors logistical policies, plans, programs and procedures that will harmonize the activities of each cluster.

The Logistics Cluster thru coordination, monitoring, identification and deployment cover the following:

Transportation (road network, land, sea and air) this also includes provision of equipment and machines (and its required fuel) to provide the needed access and mobility for all cluster operations, warehousing, inventories (consolidation of resources available among partners and cluster members) tracking of deployed items

## **Duties and Responsibilities:**

The Logistics Cluster shall have the following roles and responsibilities:

Protocols:

On activation, the Logistics Cluster shall provide efficient and effective strategic emergency logistics services for all clusters deployed in disaster affected areas in terms of mobility, warehousing, and supplies and inventory management.

The cluster shall organize three (3) sub-clusters, namely:

- a. Transportation (land, sea, and air) provide mobility assets for all cluster operations;
- b. Warehousing provide space for the storage and safekeeping of relief goods, supplies, materials and equipment of the different clusters;
- c. Supplies and Inventory provide fuel, generators, and other emergency resources for cluster operations. Further, ensure the tracking of deployed items; and

The Cluster will be activated by the Vice Chairperson for Response when necessary. Upon activation, all cluster member agencies and identified partners shall ensure their attendance in cluster meetings and provide the Cluster Lead with a list of available assets with its corresponding capacity that can be utilized by all the cluster to support the activities of the other clusters during disaster operations.

The Logistics Cluster takes into account that the direction of the operations will be based on the information and requests provided by the other clusters, Vice Chair for Response, and the Local Disaster Risk Reduction and Management Councils of affected areas. The operation is divided into two (2) phases: During disaster and Post disaster.

The Office of Civil Defense MIMAROPA as the Cluster Lead shall head the cluster operations, undertake all major coordinating functions.

All Clusters requesting for logistical support shall communicate their requests to the Cluster Lead through the RDRRMC MIMAROPA EOC. The designated focal persons of the Logistics Cluster shall:

a. Determine the prioritization and identify assets to be used;

- b. Coordinate with cluster member agencies the availability and mobilization of appropriate logistics assets.
- c. Facilitate administrative requirements for the mobilization and transport of resources.
- d. Provide feedback to requesting agency.
- e. Monitor/track deployed assets
- f. Prepare status reports on deployed resources.

For Transportation requests:

- a. Requesting agency shall submit to the Cluster Lead a written request indicating detailed items with corresponding specifications (weight, volume, and dimension) including the name and contact numbers of the receiving party/ies.
- b. Prioritization shall be determined by the Cluster Lead based on the requirements in the affected area and/or based on the result of initial assessments and requests from the LGUs.
- c. It shall be the prime responsibility of the requesting party to secure and accompany their goods until its transport to the area and endorsed to the receiving party; and
- d. The proposed use of assets that will be tapped for logistics operations are:
  - Government
  - Any non-government entity
  - Commercial Services (with payment or without cost on the part of the government)

For Warehousing:

- a. The Cluster Members shall provide the Cluster Lead with a list of available warehouses and its load capacity for the use of the Cluster during Disaster.
- b. The Cluster will coordinate all available warehouses for use of all DRMMC members for prepositioning and augmentation of needed resources during disaster.

#### Lead: Office of Civil Defense

#### Pre - Disaster Phase

- a. Conduct El Niño Task Force Meetings.
- b. Convene Cluster Meetings.
- c. Inventory of resources (local and national) to identify gaps.
- d. Pre-positioning of assets / resources.

#### **During - Disaster Phase**

- a. Receive and facilitate request for logistical support.
- b. Coordinate the transport of assistance with concerned agencies.
- c. Provide feedback to requesting DRRMCs/organizations.
- d. Institute a tracking system of all HADR assistance provided including international donations for equipment and coordination.
- e. Identify prioritization of aid cargo as "must load".
- f. Orchestrate information sharing.
- g. In coordination with member agencies recommend the transport of food equipment, equipment and personnel from supply points to destination mode.
- h. Coordinate with the IHAC for the provision of logistical support from the other countries, UN, ASEAN and international organizations
- i. Ensure the constant gathering of official reports and significant data.
- j. Update assessment of roads, warehouse stocks, and transport capacities to, from and within the affected areas
- k. Confirmation of Traffic Status: Contact and confirm the following status of transport conditions:
  - DPWH and OCDRCs Concerned: Roads and Bridges Condition Road Network.
  - ATO, Concerned Airline Companies: Domestic Flight Cancellation
  - NAIA, Concerned Airline Companies: International Flight Cancellation
  - PCG, Concerned Shipping Companies: Sea Transportation / Voyage Suspension.
  - PNCC, DOTC: NLEX and SLEX Traffic Flow.

#### Post - Disaster Phase

a. Coordinate and request relevant agencies to provide Transportation Support when it is considered necessary and/or requested by local governments of affected areas.

- b. Coordinate the usage of hauling and delivery means for transport of such goods to affected areas based on the direction of N/RDRRMC.
- c. Consolidate reports and prepare cluster report.
- d. Update assessments of roads, warehouses, transport capacities to and from, and available logistic services.
- e. Deploy additional food and non-food items in disaster affected areas in coordination with OCDRCs and DSWD.
- f. Coordinate with concerned agencies the return of deployed resources (equipment & human resource).
- g. Provide data to the PDNA Team when necessary.
- h. Engage private agencies for transport assistance.

#### **CLUSTER MEMBERS:**

#### **Roles and Responsibilities:**

#### A. Provincial Police Office MIMAROPA (PRO)

#### **Pre - Disaster Phase**

- a. Preparation for dispatch of General Dispatch Vehicles (GDVs);
- b. Coordinate with concerned agencies for safe route of GDVs; and
- c. Identify fuel depot for safe refueling of GDVs (efficient

#### **During - Disaster Phase**

a. Coordinate adjacent line units re availability of necessary equipment

#### B. Armed Forces of the Philippines (AFP) – SOLCOM / WESCOM

#### **Pre - Disaster Phase**

- a. Participate in joint logistics cluster meetings.
- b. Conduct inventory of troops and organizational equipment and supplies (firepower, mobility, quartermaster, POL, medical and other items) for HADR support operations.
- c. Prepare and submit inventory of mobility (air, land, sea) and other logistical assets (temporary shelter tents, engineering assets, etc.).
- d. Strengthen camp/base facilities to improve disaster resilience.
- e. Preposition respective assets, POL and reserve requirements.

#### **During - Disaster Phase**

- a. Provide transportation assets (air, land, sea) in coordination with the Major Services (PA, PAF, and PN) to deliver humanitarian assistance in disaster affected areas;
- b. Provide warehousing/storage of supplies and other HADR items as required in coordination with the DSWD for the repacking of goods; and
- c. Coordinate adjacent line units re availability of necessary equipment.

#### **Post - Disaster Phase**

- a. Attends to the conduct of the regional program implementation review
- Sustain logistics support to AFP units conducting limited transportation, medical and manpower support to the early recovery activities as required;
- c. Provide transportation support for the return of deployed assets

#### C. Department of Public Works and Highways (DPWH)

#### **Pre - Disaster Phase**

- a. Submit all available assets and warehouse that can be tap by the Logistics Cluster for utilization of the other Response Cluster during and Post disaster operations.; and
- b. Pre-position all assets in strategic areas.

#### **During - Disaster Phase**

- a. Assist in identification of alternate routes for response operations.
- b. Tap partners in the use of assets for the provision of an alternate road network going to and from the affected areas to facilitate unhampered transportation of goods and personnel.

#### **Post - Disaster Phase**

- a. Provide logistical support in hauling and delivery of goods/commodities to affected areas.
- b. Be responsible for distributing traffic information to road users, if traffic is restricted in national roads.

D. Philippine Coast Guard (PCG) – Coast Guard District Southern Tagalog / Coast Guard District Palawan

#### Pre - Disaster Phase

a. Ensure functionality and availability of water assets and personnel.

#### **During - Disaster Phase**

a. PCG shall contribute to emergency transportation by operating their vessels and aircraft based on needs and requests from DRRMC and affected Local Governments.

#### **Post - Disaster Phase**

- a. Support the urgent activities such as transporting basic commodities needed under emergency in coordination with DRRMCs.
- b. Evaluate and assess the effectiveness and sufficiency of deployed assets during the emergency response.
- c. Evaluate the concept of operations if it needs improvements or rectification; and
- d. Coordinate with RDRRMC and LGU prior pull-out of deployed/utilized assets.

#### E. Bureau of Fire Protection

#### **Pre - Disaster Phase**

a. Ensure functionality and availability of assets and personnel.

#### **During - Disaster Phase**

- a. Shall direct emergency transport activities to its lower offices based on needs and requests from RDRRMC and affected local governments.
- b. Conduct water rationing to affected areas.

## F. Philippine Ports Authority

#### **Pre - Disaster Phase**

a. Ensure the operation of ports that may be used for the transportation of humanitarian assistance to affected areas.

#### **During - Disaster Phase**

- a. Coordinate with shipping companies for the provision of transportation support;
- b. Ensure that El Niño related assistance/support are given priority in transport.

#### G. Department of Transportation

#### Pre - Disaster Phase

a. Coordinate supporting activities of national and local governmental entities, and voluntary organizations for the provision of civil transportation when required.

#### **During - Disaster Phase**

- a. Comprehensively and proactively implement emergency transport by utilizing all means by land, sea, and air through the Coordination by RDRRM.
- b. Coordinate and implement, as required, emergency-related response functions to be performed under the power of DOTr, including the prioritization and/or allocation of civil transportation capacity, air and marine traffic control for transportation and damage assessment.

## Post - Disaster Phase

- a. Ensure the priority usage of hauling and delivery means for transport of such goods to affected areas.
- b. Provide technical assistance to any government entities in determining the most viable transportation networks to, from, and within the disaster area, as well as alternate means to move people and goods within the area affected by the disaster.

## H. Local Disaster Risk Reduction and Management Councils of MIMAROPA

#### Pre - Disaster Phase

- a. Participate in joint logistics cluster meetings.
- b. Conduct inventory of trained personnel and organizational equipment and supplies for logistics support operations.
- c. Prepare and submit inventory of mobility (air, land, sea) and other logistical assets (temporary shelter tents, engineering assets, etc.).
- d. Strengthen camp/base facilities to improve disaster resilience.
- e. Preposition respective assets requirements and provide assistance for FNFI and Health stockpiles.
- f. Establish logistics support mechanisms such as forge partnerships to support logistics operations in the locality.

#### **During - Disaster Phase**

- a. Provide transportation assets (air, land, sea) in coordination with the EOC and IMT to deliver humanitarian assistance in disaster affected areas;
- Provide warehousing/storage of supplies and other logistical items as required in coordination with the EOC or LSWDO for the repacking and hauling of goods; and
- c. Coordinate adjacent line units re availability of necessary equipment.
- d. Maintain close contact with all Logistics Cluster members including CSOs and NGOs for the availability of required equipment.
- e. Ensure the operability of the transport equipment being deployed during the response operations.

#### Post - Disaster Phase

- a. Sustain logistics support to deployed units conducting limited transportation, medical and manpower support to the early recovery activities as required;
- b. Provide manpower and transportation support for the return of deployed assets.

## **CP Form 6: Response Activities**

| <b>RESPONSE CLUSTER:</b>  |   | LOGISTICS   |  |  |
|---|---|---|--|--|
| TIMEFRAME   | NEEDS AN  | RESPONSIBLE<br>AGENCIES/OFFICES   |  |  |
|   | Needs   | Activities  |  |  |
| D-3 months  | <ul> <li>79 Warehouse</li> <li>86 Dock/ Pier</li> <li>7 Motorpool</li> <li>21 Mechanic</li> <li>158 Security Personnel</li> </ul>                 | Coordination with concerned agencies upon<br>receiving El Niño Advisories from DOST-<br>PAGASA;<br>Signing of MOA/MOU and preparation of<br>procurement documents | OCD MIMAROPA   |  |
|   | Water Storage (79 Bladders,<br>70 Drums, 10,500 Jerry<br>Cans, 1,000m Water Hose)   | Coordinate for possible Emergency procurement of projected needs as result of the PDRA and coordination meetings  | OCD MIMAROPA   |  |
|   | Water Trucks (79 Tankers,<br>92 Fire Trucks)<br>FOL (Diesel 100,000L,<br>Gasoline 100,000L,<br>Lubricants 20,000L)<br>Fuel Barrels (70pcs) & Fuel | 92 Fire Trucks)<br>FOL (Diesel 100,000L,  | Conduct inventory of local and regional resources to identify and fill the gaps        | OCD MIMAROPA, SOLCOM,<br>WESCOM, DILG, PNP,<br>P/CDRRMC, PPA, CAAP,<br>CSOs, NIA, DPWH |
|   |   | Conduct PDRA with concerned agencies to set priorities and prepare stockpiles   | OCD MIMAROPA   |  |
| 700 Manp<br>70 Logistic   | hose (70m)<br>700 Manpower and Haulers<br>70 Logistics Management<br>Personnel  | Prepare and organize equipment and teams for readily deployable availability  | OCD MIMAROPA, SOLCOM,<br>WESCOM, DILG, PNP,<br>P/CDRRMC, PPA, CAAP,<br>CSOs, NIA, DPWH |  |
| 2 Aircrafts (Rotary & Fixed-<br>wing) and Sea Vessels (52<br>Speedboats, 9 Ships/ Barge)<br>Trucks and Vehicles |   | Conduct operational checks of equipment   | OCD MIMAROPA, SOLCOM,<br>WESCOM, DILG, PNP,<br>P/CDRRMC, PPA, CAAP,<br>CSOs, NIA, DPWH |  |
|   | (Dropside, Boom Truck,<br>Dump Truck, Self-loading  | Pre-positioning of all the resources and assets   | OCD MIMAROPA, SOLCOM,<br>WESCOM, DILG, PNP,  |  |

|          | Truck, Mobile Kitchen,          |  | P/CDRRMC, PPA, CAAP, |
|----------|---------------------------------|--|----------------------|
|          | Pickups, Elk, L300, L200)       |  | CSOs, NIA, DPWH      |
|          | Logistics Support Equipment     | Convene cluster meeting for possible       | OCD MIMAROPA         |
|          | and Supplies (104 Sakoline,     | activation of                              |                      |
|          | 104 Ropes, 70 Trolleys, 70      |  |                      |
|          | Pulleys)                        |  |                      |
|          | 300 Radios and                  |  |                      |
|          | Communication Equipment         |  |                      |
|          | (Handheld, Base, VHF,           |  |                      |
|          | Internet, Mobile Phones)        |  |                      |
|          | 70 Documentation                |  |                      |
|          | Equipment (Drone,               |  |                      |
|          | Computer, Inventory/ Forms/     |  |                      |
|          | Logbook, Hard drives &          |  |                      |
|          | Flash drives)                   |  |                      |
|          | 70 Safety Equipment (Fire       |  |                      |
|          | Extinguishers)                  |  |                      |
|          | 63 Collapsible Tents            |  |                      |
|          | 63 Collapsible Tents            |  |                      |
|          | 16 Generators & 200 Water       |  |                      |
|          | Pumps                           |  |                      |
|          | Desalination (7) and Filtration |  |                      |
|          | (7) Systems and Equipment       |  |                      |
| D+1 week | 70 Documentation                | Receipt, Compilation, and Documentation of | OCD MIMAROPA         |
|          | Equipment and Supplies          | Logistics Requests from EOC, IMT, and      |                      |
|          | (Camera, Computer, Hard         | Other Response Clusters                    |                      |
|          | drive/ Flash drive, Inventory   |  |                      |
|          | & Forms)                        |  |                      |
|          | 300 Radio &                     |  |                      |
|          | Communications (Handheld,       |  |                      |
|          | Base, VHF, Internet, Mobile     |  |                      |
|          | Phones)                         |  |                      |

|            | <ul> <li>158 Security Personnel</li> <li>70 Safety Equipment (Fire Extinguishers)</li> <li>70 Logistics Management</li> <li>Personnel</li> <li>70 Documentation Supplies</li> <li>(Inventory, Logbook/ Forms)</li> </ul> | Provision of safekeeping and security to warehouses, stockpiles, and other logistics  | PNP, BFP, PCG  |
|------------|--|---|--|
| D+3 months | 79 Warehouse<br>86 Dock/ Pier<br>7 Motorpool<br>Water Storage (79 Bladders,<br>70 Drums, 10,500 Jerry<br>Cans,1,000m Water Hose)   | Preparation, packing/ loading, augmentation,<br>transport, and delivery of logistics requests.<br>Seek approval of EOC Manager/ Incident<br>Commander/ Appropriate Authority before<br>release of logistics augmentation<br>Accomplishment and compilation of | OCD MIMAROPA, SOLCOM,<br>WESCOM, DILG, PNP,<br>P/CDRRMC, PPA, CAAP,<br>CSOs, NIA, DPWH |
|            | Water Trucks (79 Tankers,<br>92 Fire Trucks)<br>FOL (Diesel 100,000L,<br>Gasoline 100,000L,  | Acknowledgement Receipts<br>Conduct of emergency repairs and<br>maintenance of equipment as needed  | P/CDRRMCs<br>OCD MIMAROPA,<br>P/CDRRMCs, BFP, PNP,<br>DPWH                             |
|            | Lubricants 20,000L)<br>Fuel Barrels (70pcs) & Fuel<br>hose (70m)   | Provision of transport to Response Teams  | OCD MIMAROPA,<br>P/CDRRMCs, PNP, BFP,<br>SOLCOM, WESCOM                                |
|            | 700 Manpower and Haulers<br>70 Logistics Management<br>Personnel<br>2 Aircrafts (Rotary & Fixed-   | Assist in provision of air/ sea/ land asset for surveys and assessments   | OCD MIMAROPA,<br>P/CDRRMCs, PNP, BFP,<br>SOLCOM, WESCOM, PCG,<br>DPWH,                 |
|            | wing) and Sea Vessels (52<br>Speedboats, 9 Ships/ Barge)   | Monitoring of logistics operations and<br>inventory   | OCD MIMAROPA   |
|            | Trucks and Vehicles<br>(Dropside, Boom Truck,<br>Dump Truck, Self-loading<br>Truck, Mobile Kitchen,  | Updating of Inventories and Directories, as well as entering in updates on activity logs  | OCD MIMAROPA,<br>P/CDRRMCs, PNP, BFP,<br>SOLCOM, WESCOM, PCG,<br>DPWH,                 |
|            | Pickups, Elk,L300, L200)   | Provision of necessary reports for updating, documentation or incident reporting  | OCD MIMAROPA,<br>P/CDRRMCs, PNP, BFP,  |

|              | Logistics Support Equipment and Supplies (104 Sakoline, |  | SOLCOM,<br>DPWH, | WESCOM, | PCG,  |
|--------------|---|--|------------------|---------|-------|
|              | 104 Ropes, 70 Trolleys, 70                              | Cleanup and safekeeping of storage facilities, | OCD              | MIMA    | ROPA, |
|              | Pulleys)  | warehouses, and vehicles                       | P/CDRRMC         |         | BFP,  |
|              | 300 Radios and  |  | SOLCOM,          | WESCOM, | PCG,  |
|              | Communication Equipment                                 |  | DPW              | WEGGGM, | ,     |
|              | (Handheld, Base, VHF,                                   |  | DIW              |         |       |
|              | Internet, Mobile Phones)                                |  |                  |         |       |
|              | 70 Documentation  |  |                  |         |       |
|              | Equipment (Drone,                                       |  |                  |         |       |
|              | · · · ·   |  |                  |         |       |
|              | Computer, Inventory/ Forms/                             |  |                  |         |       |
|              | Logbook, Hard drives &                                  |  |                  |         |       |
|              | Flash drives,   |  |                  |         |       |
|              | Acknowledgement Receipt)                                |  |                  |         |       |
|              | 70 Safety Equipment (Fire                               |  |                  |         |       |
|              | Extinguishers)  |  |                  |         |       |
|              | 63 Collapsible Tents                                    |  |                  |         |       |
|              | 16 Generators & 200 Water                               |  |                  |         |       |
|              | Pumps   |  |                  |         |       |
| [            | Desalination (7) and Filtration                         |  |                  |         |       |
|              | (7) Systems and Equipment                               |  |                  |         |       |
| D+4 months 7 | 70 Logistics Management                                 | Proper turnover of documents, records,         | OCD              | MIMA    | ROPA, |
|              | Personnel   | reports, inventory and logistics to EOC or     | P/CDRRMC         | s, PNP, | BFP,  |
| 5            | 70 Documentation Supplies                               | Cluster Lead or proper authorities upon stand  | SOLCOM,          | WESCOM, | PCG,  |
|              | (Inventory, Logbook/ Forms)                             | down of operations                             | DPWH,            |         | ,     |

The table describes the resources required to fulfill key activities of the cluster during response operations. The Time Frame indicated is with regards to the worst case scenario as presented in Form 3A. It also indicates all Logistics Cluster members that will be activated during the activities listed in the selection.



| <b>RESPONSE CLUSTER:</b> |                                | LOGISTICS   |   |
|--------------------------|--------------------------------|-------------|---|
| AGENCY/OFFICE            | RESOURCE                       | QUANTITY    | REMARKS   |
| OCD MIMAROPA             | Fuel (fleet card)              | 3 cards     | 1 Palawan<br>2 OCD MIMAROPA Regional Office   |
| OCD MIMAROPA             | Portable Sediment Water Filter | 4 units     | 1 unit - Oriental Mindoro, 1 unit<br>Municipality of Pola OrMin, 2 units - OCD<br>MIMAROPA RO   |
| OCD MIMAROPA             | Generator Set                  | 4 units     | 75KVA-Marinduque, 75KVA-Romblon<br>District Hospital, 8.5KVA-OCD<br>MIMAROPA, 25KVA-OCD MIMAROPA  |
| SOLCOM                   | KM450/KM250 Trucks             | 23 units    | H203 - 4 units<br>H4IB - 9 units<br>H68IB - 10 units  |
| SOLCOM                   | KM451 Ambulance                | 2 units     | H4IB - 1 unit<br>H68IB - 1 unit   |
| SOLCOM                   | Deployable Manpower            | 302 Persons | H203 - 10 Persons<br>H76IB - 15 Persons<br>A/76IB - 29 Persons<br>B/76IB - 29 Persons<br>C/76IB - 29 Persons<br>H41IB - 15 Persons<br>A4IB - 15 Persons<br>B4IB - 15 Persons<br>C4IB - 15 Persons<br>H68IB - 25 Persons<br>A68IB - 34 Persons<br>B68IB - 36 Persons<br>C86IB - 35 Persons |

|                      | <b>T</b> ( 10)             |          |                                       |
|----------------------|----------------------------|----------|---------------------------------------|
| PCG SOUTHERN TAGALOG | Toyota Hilux               | 3 units  | CGS Occidental Mindoro - 1 unit       |
|                      |                            |          | CGS Marinduque - 1 unit               |
|                      |                            |          | CGSS Lubang, Occidental Mindoro - 1   |
|                      |                            |          | unit                                  |
| PCG SOUTHERN TAGALOG | Multicab (Suzuki)          | 1 unit   | CGSS Sablayan, Occidental Mindoro - 1 |
|                      |                            |          | unit                                  |
| PCG SOUTHERN TAGALOG | Motorcycle                 | 16 units | CGSS Gasan - 1 unit                   |
|                      |                            |          | CGSS Sta. Cruz - 1 unit               |
|                      |                            |          | CGSS Gasan - 1 unit                   |
|                      |                            |          | CGS Romblon - 1 unit                  |
|                      |                            |          | CGSS Romblon - 1 unit                 |
|                      |                            |          | CGSS Odiongan - 1 unit                |
|                      |                            |          | CGSS San Agustin - 1 unit             |
|                      |                            |          | CGSS Looc - 1 unit                    |
|                      |                            |          | CGSS Sta. Fe - 1 unit                 |
|                      |                            |          | CGSS Carabao - 1 unit                 |
|                      |                            |          | CGSS Banton - 1 unit                  |
|                      |                            |          | CGSS Magdiwang - 1 unit               |
|                      |                            |          | CGSS Cajidiocan - 1 unit              |
|                      |                            |          | CGSS Calatrava - 1 unit               |
|                      |                            |          | CGS Oriental Mindoro - 2 units        |
| PCG SOUTHERN TAGALOG | Rubber boat                | 1 unit   | CGS Romblon - 1 unit                  |
|                      |                            |          |                                       |
| PCG SOUTHERN TAGALOG | Speed boats/Aluminum boats | 14 units | CGSS Gasan - 1 unit (AB-175)          |
|                      |                            |          | CGSS Sta. Cruz - 1 unit (AB-282)      |
|                      |                            |          | CGSS Romblon - 1 unit (AB-293)        |
|                      |                            |          | CGSS San Agustin - 1 unit (AB-129)    |
|                      |                            |          | CGSS Magdiwang - 1 unit (AB-298)      |
|                      |                            |          | CGSS Cajidiocan - 1 unit (AB-280)     |
|                      |                            |          | CGS Occidental Mindoro - 1 unit (AB-  |
|                      |                            |          | 289)                                  |
|                      |                            |          | CGSS San Jose - 1 unit (AB-289)       |

|                      | 1                   | 1             |                                       |
|----------------------|---------------------|---------------|---------------------------------------|
|                      |                     |               | CGSS Sablayan - 1 unit (AB-291)       |
|                      |                     |               | CGSS Lubang - 1 unit (AB-161)         |
|                      |                     |               | CGSS Mamburao - 1 unit (AB-285)       |
|                      |                     |               | CGSS Calapan - 1 unit (AB-170)        |
|                      |                     |               | CGSS Puerto Galera - 1 unit (AB-296)  |
|                      |                     |               | CGSS Pinamalayan - 1 unit (AB-162)    |
| PCG SOUTHERN TAGALOG | Jetski              | 1 unit        | CGSS Calapan                          |
| PCG SOUTHERN TAGALOG | Deployable Manpower | 239 Personnel | CGS Marinduque - 8 Personnel          |
|                      |                     |               | CGSS Mogpog - 7 Personnel             |
|                      |                     |               | CGSS Gasan - 6 Personnel              |
|                      |                     |               | CGSS Sta. Cruz - 5 Personnel          |
|                      |                     |               |                                       |
|                      |                     |               | CGS Romblon - 34 Personnel            |
|                      |                     |               | CGSS Romblon - 8 Personnel            |
|                      |                     |               | CGSS Odiongan - 8 Personnel           |
|                      |                     |               | CGSS San Agustin - 8 Personnel        |
|                      |                     |               | CGSS Looc - 5 Personnel               |
|                      |                     |               | CGSS Sta. Fe - 5 Personnel            |
|                      |                     |               | CGSS Carabao - 5 Personnel            |
|                      |                     |               |                                       |
|                      |                     |               | CGSS Banton - 6 Personnel             |
|                      |                     |               | CGSS Magdiwang - 7 Personnel          |
|                      |                     |               | CGSS Cajidiocan - 5 Personnel         |
|                      |                     |               | CGSS Calatrava - 10 Personnel         |
|                      |                     |               |                                       |
|                      |                     |               | CGS Occidental Mindoro - 12 Personnel |
|                      |                     |               | CGSS San Jose - 10 Personnel          |
|                      |                     |               | CGSS Abra de llog - 10 Personnel      |
|                      |                     |               | CGSS Sablayan - 10 Personnel          |
|                      |                     |               | CGSS Lubang - 8 Personnel             |
|                      |                     |               | CGSS Mamburao - 6 Personnel           |
|                      |                     |               |                                       |
|                      |                     |               | CGS Oriental Mindoro - 21 Personnel   |
|                      |                     |               | CGSS Calapan - 11 Personnel           |

|                            |                                   | CGSS Puerto Galera - 4 Personnel                        |
|----------------------------|-----------------------------------|---|
|                            |                                   | CGSS Pinamalayan - 4 Personnel                          |
|                            |                                   | CGSS Concepcion - 4 Personnel                           |
|                            |                                   | CGSS Roxas - 6 Personnel                                |
|                            |                                   | CGSS Bulalacao - 6 Personnel                            |
| Isuzu Truck                | 1 unit                            | HCGDPAL   |
| JAC Truck                  | 1 unit                            | HCGDPAL   |
| Hyundai Van                | 1 unit                            | HCGDPAL   |
| Hilux                      | 6 units                           | CGS Central Palawan -1 unit                             |
|                            |                                   | CGS North Central Palawan - 1 unit                      |
|                            |                                   | CGS Southern Palawan - 1 unit                           |
|                            |                                   | CGS Eastern Palawan - 1 unit                            |
|                            |                                   | CGS Northeastern Palawan - 1 unit                       |
|                            |                                   | CGS Northern Palawan - 1 unit                           |
| Speed boats/Aluminum boats | 25 units                          | CGSS Puerto Bay - 1 unit (AB-069)                       |
|                            |                                   | CGSS Honda Bay- 1 unit (AB-072)                         |
|                            |                                   | CGSS Narra - 1 unit (AB-075)                            |
|                            |                                   | CGSS Macarascas - 1 unit (AB-031)                       |
|                            |                                   | CGSS Mangingisda - 1 unit (AB-073)                      |
|                            |                                   | CGS North Central Palawan - 1 unit (AB)                 |
|                            |                                   | CGSS Port Barton - 1 unit (AB)                          |
|                            |                                   | CGSS Dumaran - 1 unit (AB)                              |
|                            |                                   | CGS Southern Palawan - 1 unit (AB-078)                  |
|                            |                                   | CGSS Rio Tuba - 1 unit (AB-081)                         |
|                            |                                   | CGSS Quezon - 1 unit (AB-076)                           |
|                            |                                   | CGSS Rizal - 1 unit (AB-077)                            |
| 1                          |                                   | CGS Eastern Palawan - 1 unit (AB-079)                   |
|                            |                                   | CGSS Agutaya - 1 unit (AB-036)                          |
|                            |                                   | CGSS Cagayancillo - 1 unit (AB-039)                     |
|                            |                                   | CGSS Concepcion - 1 unit (AB-037)                       |
|                            |                                   | CGS Northeastern Palawan - 1 unit (AB)                  |
|                            |                                   | CGSS Culion -1 unit (AB-032)                            |
|                            | JAC Truck<br>Hyundai Van<br>Hilux | JAC Truck 1 unit<br>Hyundai Van 1 unit<br>Hilux 6 units |

|             |                              |               | CGS Southwestern Palawan - 1 unit (AB-<br>80)<br>CGS Northern Palawan - 1 unit (Speed<br>boat)<br>CGSS Taytay - 1 unit (AB-064)<br>CGSS San Fernando - 1 unit (AB-345)  |
|-------------|------------------------------|---------------|---|
|             |                              |               | CGSS Liminangcong - 1 unit (AB-041)<br>CGSS Sibaltan - 1 unit (AB-070)  |
|             |                              |               | CGS Kalayaan Island Group - 1 unit (AB-<br>071)   |
| PCG PALAWAN | Jetski                       | 1 unit        | CGS Northern Palawan  |
| PCG PALAWAN | Rigid-Hulled Inflatable Boat | 1 unit        | CGS Northern Palawan  |
| PCG PALAWAN | RB-72                        | 1 unit        | CGSS Sabang   |
| PCG PALAWAN | JG-001 (Jungkong)            | 1 unit        | COP Buliluyan   |
| PCG PALAWAN | Motorcycle                   | 12 units      | COP Aborlan - 1 unit<br>CGSS Araceli - 1 unit<br>CGS Southern Palawan - 1 unit<br>CGS Eastern Palawan - 1 unit<br>CGSS Agutaya - 1 unit<br>CGSS Cagayancillo - 1 unit<br>CGSS Culion - 3 units<br>CGSS Talampulan - 1 unit<br>CG COP Salvacion - 1 unit |
| PCG PALAWAN | Topdown                      | 1 unit        | CGS Kalayaan Group of Islands   |
| PCG PALAWAN | Deployable Manpower          | 356 Personnel | HCGDPAL - 102 Personnel<br>CGS Central Palawan - 25 Personnel<br>CGSS Puerto Bay - 5 Personnel<br>CGSS Honda Bay - 6 Personnel<br>CGSS Sabang - 7 Personnel   |

| CGSS Macarascas - 4 Personnel                                |
|--|
| CGSS Mangingisda - 6 Personnel                               |
|  |
| CGSS Narra - 5 Personnel                                     |
| COP Aborlan - 4 Personnel                                    |
| CGSS Tubbataha - 3 Personnel                                 |
| CGS North Central Palawan - 8                                |
| Personnel  |
| CGSS Araceli - 3 Personnel                                   |
| CGSS Aracell - 3 Personnel<br>CGSS Port Barton - 3 Personnel |
|  |
| CGSS San Vicente - 3 Personnel                               |
| CGSS Dumaran - 3 Personnel                                   |
| CGS Southern Palawan - 17 Personnel                          |
| CGSS Old Camp - 3 Personnel                                  |
| CGSS Rio Tuba - 4 Personnel                                  |
| COP Buliluyan - 5 Personnel                                  |
| CGSS Quezon - 4 Personnel                                    |
| CGSS Rizal - 4 Personnel                                     |
| CGSS Española - 2 Personnel                                  |
| CGS Eastern Palawan - 16 Personnel                           |
| CGSS Agutaya - 3 Personnel                                   |
| CGSS Cagayancillo - 3 Personnel                              |
| CGSS Concepcion - 2 Personnel                                |
| CGSS Manamoc - 2 Members                                     |
|  |
| CGS Northeastern Palawan - 10                                |
| Personnel  |
| CGSS Culion - 3 Personnel                                    |
| CGSS Linapacan - 5 Personnel                                 |
| CGSS Turda - 2 Personnel                                     |
| CGSS Talampulan - 3 Personnel                                |

|              |                             |           | CG COP Salvacion - 2 Personnel<br>CG COP Concepcion - 2 Personnel  |
|--------------|-----------------------------|-----------|--|
|              |                             |           |  |
|              |                             |           | CGS Southwestern Palawan - 12<br>Personnel   |
|              |                             |           | CGSS Mangsee - 2 Personnel   |
|              |                             |           | CGSS Bancalaan - 2 Personnel   |
|              |                             |           | CGS Northern Palawan - 20 Personnel<br>CGSS Taytay - 5 Personnel<br>CGSS San Fernando - 5 Personnel<br>CGSS Liminangcong - 5 Personnel |
|              |                             |           | CGSS Sibaltan - 4 Personnel  |
|              |                             |           | CGS Kalayaan Island Group - 6  |
|              |                             |           | Personnel  |
|              |                             |           | COP Lawak - 4 Personnel  |
|              |                             |           | COP Patag - 2 Personnel<br>COP Likas - 4 Personnel   |
|              |                             |           | COP Likas - 4 Personnel  |
|              |                             |           | COP Parola - 4 Personnel   |
| PRO MIMAROPA | Light Truck                 | 203 units | Oriental Mindoro PPO - 42 units  |
|              | 2.9.1. 11001                |           | Occidental Mindoro PPO - 27 units  |
|              |                             |           | Marinduque PPO - 26 units  |
|              |                             |           | Romblon PPO - 37 units   |
|              |                             |           | Palawan PPO - 51 units   |
|              |                             |           | Puerto Princesa PO - 12 units  |
|              |                             |           | RMFB - 8 units   |
| PRO MIMAROPA | Utility Truck               | 8 units   | RHQ - 1 unit   |
|              |                             |           | Romblon PPO - 1 unit   |
|              |                             |           | Palawan PPO - 1 unit   |
|              |                             |           | RMFB - 5 units   |
| PRO MIMAROPA | Portable Electric Generator | 27 units  | Oriental Mindoro PPO - 4 units   |

|              |                      | 1               |  |
|--------------|----------------------|-----------------|--|
|              |                      |                 | Occidental Mindoro PPO - 6 units       |
|              |                      |                 | Marinduque PPO - 5 units               |
|              |                      |                 | Romblon PPO - 4 units                  |
|              |                      |                 | Palawan PPO - 6 units                  |
|              |                      |                 | RMFB - 2 units                         |
| PRO MIMAROPA | Rubber Boat with OBM | 3 units         | Marindque PPO - 1 unit                 |
|              |                      |                 | RMFB - 2 units                         |
| PRO MIMAROPA | Deployable Manpower  | 1,315 personnel | Oriental Mindoro PPO - 204 personnel   |
|              |                      |                 | Occidental Mindoro PPO - 191 personnel |
|              |                      |                 | Marinduque PPO - 119 personnel         |
|              |                      |                 | Romblon PPO - 314 personnel            |
|              |                      |                 | Puerto Princesa CPO - 123 personnel    |
|              |                      |                 | Palawan PPO - 364 personnel            |
| BFP MIMAROPA | Fire Truck           | 84 units        | BFP Occidental Mindoro - 16 units      |
|              |                      |                 | BFP Oriental Mindoro - 22 units        |
|              |                      |                 | BFP Marinduque - 12 units              |
|              |                      |                 | BFP Romblon - 13 units                 |
|              |                      |                 | BFP Palawan - 21 units                 |
| BFP MIMAROPA | Tanker               | 3 units         | BFP Marinduque - 2 units               |
|              |                      |                 | BFP Romblon - 1 unit                   |
| BFP MIMAROPA | Ambulance            | 4 units         | BFP Occidental Mindoro - 1 unit        |
|              |                      |                 | BFP Oriental Mindoro - 1 unit          |
|              |                      |                 | BFP Marinduque - 1 unit                |
|              |                      |                 | BFP Palawan (Puerto Princesa) - 1 unit |
| BFP MIMAROPA | Toyota Hilux         | 1 unit          | BFP Palawan (Puerto Princesa)          |
| BFP MIMAROPA | Isuzu Trooper        | 1 unit          | BFP Palawan (Puerto Princesa)          |
| BFP MIMAROPA | Deployable Manpower  | 456 Personnel   | RHQ - 15 Personnel                     |
|              |                      |                 |  |
|              |                      |                 | Occidental Mindoro                     |
|              |                      |                 | OPFM - 2 Personnel                     |
|              |                      |                 | Abra de llog FS - 4 Personnel          |
|              |                      |                 | Calintaan FS- 6 Personnel              |

| Looc FS - 3 Personnel<br>Lubang FS - 8 Personnel<br>Magsaysay FS - 4 Personnel<br>Mamburao FS - 4 Personnel<br>Paluan FS - 5 Personnel<br>Rizal FS - 8 Personnel<br>Sablayan FS - 7 Personnel<br>San Jose FS - 10 Personnel<br>Sta. Cruz FS - 6 Personnel  |
|--|
| Oriental Mindoro<br>OPFM - 5 Personnel<br>Baco FS - 7 Personnel<br>Bansud FS - 14 Personnel<br>Bongabong FS - 6 Personnel<br>Bulalacao FS - 6 Personnel<br>Calapan City FS - 12 Personnel<br>Gloria FS - 11 Personnel<br>Mansalay FS - 4 Personnel<br>Naujan FS - 7 Personnel<br>Pinamalayan FS - 7 Personnel<br>Pola FS - 7 Personnel<br>Puerto Galera FS - 8 Personnel<br>Roxas FS - 7 Personnel<br>San Teodoro FS - 6 Personnel |
| Socorro FS - 7 Personnel<br>Victoria FS - 6 Personnel<br>Marinduque<br>OPFM - 4 Personnel<br>Boac FS - 7 Personnel<br>Buenavista FS - 5 Personnel<br>Gasan FS - 6 Personnel  |

| Mogpog FS - 7 Personnel<br>Sta. Cruz FS - 8 Personnel<br>Torrijos FS - 6 Personnel  |
|---|
| Romblon<br>OPFM - 6 Personnel<br>Alcantara FS - 4 Personnel<br>Cajidiocan FS - 5 Personnel<br>Calatrava FS - 4 Personnel<br>Looc FS - 7 Personnel<br>Magdiwang FS - 6 Personnel<br>Odiongan FS - 7 Personnel<br>Romblon FS - 8 Personnel<br>San Agustin FS - 6 Personnel<br>San Andres FS - 7 Personnel<br>San Fernando FS - 5 Personnel<br>Sta. Fe FS - 5 Personnel<br>Sta. Fe FS - 5 Personnel<br>Sta. Maria FS - 6 Personnel<br>Banton MFPO - 2 Personnel<br>Concepcion MFPO - 1 Personnel<br>Ferrol MFPO - 2 Personnel<br>San Jose MFPO - 2 Personnel |
| Palawan<br>Aborlan FS - 6 Personnel<br>Agutaya FS - 3 Personnel<br>Balabac FS - 1 Personnel<br>Bataraza FS - 6 Personnel<br>Brooke's Point FS - 7 Personnel<br>Busuanga FS - 5 Personnel<br>Cagayancillo FS - 2 Personnel<br>Coron FS - 9 Personnel   |

|                    |               |          | Culion FS - 4 Personnel<br>Cuyo FS - 6 Personnel |
|--------------------|---------------|----------|--|
|                    |               |          | Dumaran FS - 3 Personnel                         |
|                    |               |          | El Nido FS - 7 Personnel                         |
|                    |               |          | Linapacan FS - 2 Personnel                       |
|                    |               |          | Magsaysay FS - 1 Personnel                       |
|                    |               |          | Narra FS - 12 Personnel                          |
|                    |               |          | Quezon FS - 6 Personnel                          |
|                    |               |          | Rizal FS - 4 Personnel                           |
|                    |               |          | Roxas FS - 5 Personnel                           |
|                    |               |          | San Vicente FS - 6 Personnel                     |
|                    |               |          | Sofronio Española FS - 5 Personnel               |
|                    |               |          | Taytay FS - 6 Personnel                          |
|                    |               |          | Puerto Princesa City FS - 19 Personnel           |
| WESCOM (JTF-ICARE) | KM450A Trucks | 2 units  | TOWWEST - 2 units                                |
| WESCOM (JTF-ICARE) | KM250 Trucks  | 11 units | TOWWEST - 3 units                                |
|                    |               |          | HQ Joint Task Force Malampaya - 2                |
|                    |               |          | units  |
|                    |               |          | MBLT-3 - 4 units                                 |
|                    |               |          | MBLT-4 - 2 units                                 |
| WESCOM (JTF-ICARE) | M-35 Trucks   | 15 units | TOWWEST - 2 units                                |
|                    |               |          | Naval Forces West - 1 unit                       |
|                    |               |          | HQ 3MBDE - 4 units                               |
|                    |               |          | MBLT-3 - 4 units                                 |
|                    |               |          | MBLT-4 - 4 units                                 |
| WESCOM (JTF-ICARE) | KM450         | 26 units | HHC, WESCOM - 3 units                            |
|                    |               |          | HQ 4th Air Reserve Center - 1 unit               |
|                    |               |          | HQ 408th Palawan CDC PA - 1 unit                 |
|                    |               |          | Naval Forces West - 1 unit                       |
|                    |               |          | HQ 3MBDE - 6 units                               |

|                    |                                    |          | MBLT-3 - 7 units   |
|--------------------|------------------------------------|----------|--|
|                    |                                    |          | MBLT-4 - 7 units   |
| WESCOM (JTF-ICARE) | Delica                             | 1 unit   | HHC, WESCOM - 1 unit   |
| WESCOM (JTF-ICARE) | Urban Green                        | 1 unit   | HHC, WESCOM - 1 unit   |
| WESCOM (JTF-ICARE) | Multicab                           | 1 unit   | HHC, WESCOM - 1 unit   |
| WESCOM (JTF-ICARE) | Ford 550 Prime Mover               | 1 unit   | HQ Joint Task Force Malampaya - 1 unit                         |
| WESCOM (JTF-ICARE) | Helicopter                         | 2 units  | TOWWEST - 1 unit (SOKOL - Medium-lift                          |
|                    |                                    |          | Twin-engine Multi-purpose Helicopter)                          |
|                    |                                    |          | Naval Forces West - 1 unit (NH430)                             |
| WESCOM (JTF-ICARE) | Light-Lift Transport Aircraft      | 1 unit   | Naval Forces West - 1 unit (NV314)                             |
| WESCOM (JTF-ICARE) | Rubber boat                        | 4 units  | TOWWEST - 2 units  |
|                    |                                    |          | HQ 408th Palawan CDC PA - 1 unit                               |
|                    |                                    |          | HQ Joint Task Force Malampaya - 1 unit                         |
|                    |                                    |          |  |
|                    |                                    |          |  |
| WESCOM (JTF-ICARE) | Multi-purpose Attack Craft (Water) | 4 units  | HQ Joint Task Force Malampaya - 2                              |
|                    |                                    |          | units (BA484, BA483)   |
|                    |                                    |          | Naval Forces West - 2 units (BA484,                            |
|                    |                                    | Oaita    | BA483)   |
| WESCOM (JTF-ICARE) | Environmental Watercraft           | 2 units  | HQ Joint Task Force Malampaya - 2                              |
|                    | Digid Hulled Inflatable Post       | 2 units  | Units  |
| WESCOM (JTF-ICARE) | Rigid-Hulled Inflatable Boat       | 2 units  | HQ Joint Task Force Malampaya - 2<br>units (11 meter, 7 meter) |
| WESCOM (JTF-ICARE) | Outboard Motor Watercraft          | 2 units  | HQ Joint Task Force Malampaya - 2                              |
| WESCOW (JTF-ICARE) | Outboard Motor Watercraft          | Z UNITS  | units (40HP)   |
| WESCOM (JTF-ICARE) | LS-507                             | 1 unit   | Naval Forces West  |
| WESCOM (JTF-ICARE) | AC 71                              | 1 unit   | Naval Forces West  |
|                    |                                    | i unit   |  |
| WESCOM (JTF-ICARE) | PC 375                             | 1 unit   | Naval Forces West  |
|                    |                                    | , on the |  |
| WESCOM (JTF-ICARE) | PC 376                             | 1 unit   | Naval Forces West  |
|                    |                                    |          |  |
| L                  |                                    |          |  |

| WESCOM (JTF-ICARE) | Deployable Manpower  | 35 Teams/464 Persons | TOWWEST - 10 Teams, 112 Persons<br>HHC, WESCOM - 3 Teams, 27 Persons<br>HQ 4th Air Reserve Center - 2 Teams, 20<br>Persons<br>HQ 408th Palawan CDC PA - 1 Team, 10<br>Persons<br>HQ Joint Task Force Malampaya - 3<br>Teams, 28 Persons<br>Naval Forces West - 4 Teams, 46<br>Persons<br>HQ 3rd MBDE - 2 Teams, 25 Persons<br>MBLT-3 - 4 Teams, 69 Persons<br>MBLT-4 - 5 Teams, 123 Persons<br>18th SFC - 1 Team, 4 persons |
|--------------------|--|----------------------|---|
| PALAWAN            | Trucks (Dump Truck, Drop-side,<br>Self-loading, Elk, Boom Truck) | 18 units             | PEPO Compound, Brgy. Irawan   |
| PALAWAN            | Pickup (MDRRMOs units counted)                                   | 55 units             | Stationed in different areas of Palawan, 4<br>units at PDRRMO HQ  |
| PALAWAN            | SAR Pickup   | 2 units              | PDRRMO HQ   |
| PALAWAN            | Motorcycle   | 8 units              | PEPO Compound, Brgy. Irawan   |
| PALAWAN            | Coaster  | 3 units              | PEPO Compound, Brgy. Irawan   |
| PALAWAN            | Mobile Kitchen   | 1 unit               | PDRRMO HQ   |
| PALAWAN            | M/V Palawan Coast  | 1 unit               | PPC Port area   |
| PALAWAN            | Speed boats (RHIB)   | 2 units              | PDRRMO HQ   |
| PALAWAN            | Speedboats (Palawan Rescue and<br>Bantay Palawan counted)        | 12 units             | Stationed in different areas of Palawan   |
| PALAWAN            | Fuel Drum  | 11 (200L) drums      | PDRRMO HQ   |
| PALAWAN            | Pier/ Dock/ Wharf  | 25                   | All over Palawan  |
| PALAWAN            | Generator (7.5 KVa)  | 5 units              | PDRRMO HQ   |

| PALAWAN          | Drone                                    | 3 units   | PDRRMO HQ                                      |
|------------------|--|-----------|--|
| PALAWAN          | VHF Radio (Palawan Rescue                | 18 units  | All over Palawan                               |
|                  | counted)                                 |           |  |
| PALAWAN          | HF Radio (PRCS, PIO counted)             | 31 units  | All over Palawan                               |
| PALAWAN          | Handheld radios (MDRRMOs                 | 215 units | All over Palawan                               |
|                  | counted)                                 |           |  |
| PALAWAN          | Satellite Phone                          | 6 units   | PDRRMO HQ                                      |
| PALAWAN          | Base radio (MDRRMOs counted)             | 46 units  | All over Palawan                               |
| PALAWAN          | Repeater (Palawan Rescue)                | 1 unit    | Puerto Princesa City                           |
| PALAWAN          | EC/ Warehouse (MDRRMOs<br>counted)       | 7 units   | All over Palawan                               |
| ORIENTAL MINDORO | 10 Wheeler Dump trucks                   | 9 units   | Light Pool, Brgy. Sta. Isabel, Calapan<br>City |
| ORIENTAL MINDORO | Rapid Assessment Vehicles (pick<br>up)   | 3 units   | PDRRMO Building                                |
| ORIENTAL MINDORO | Rapid Assessment Vehicle<br>(motorcycle) | 1 unit    | PDRRMO Building                                |
| ORIENTAL MINDORO | Pick-up (MDRRMOs)                        | 14 units  | stationed at Municipal Operations<br>Centers   |
| ORIENTAL MINDORO | Speed boats                              | 2 units   | PDRRMO Building                                |
| ORIENTAL MINDORO | Sea Ambulance                            | 1 unit    | stationed at Brgy. Wawa, Calapan City          |
| ORIENTAL MINDORO | Jerry cans                               | 1,500 pcs | PDRRMO Warehouse                               |
| ORIENTAL MINDORO | Hydraulic excavator                      | 4 units   | Light Pool, Brgy. Sta. Isabel, Calapan<br>City |
| ORIENTAL MINDORO | Small Amphibious Hydraulic<br>excavator  | 1 unit    | Light Pool, Brgy. Sta. Isabel, Calapan<br>City |
| ORIENTAL MINDORO | Generator set (7.5 kVA)                  | 1 unit    | PDRRMO Warehouse                               |
| ORIENTAL MINDORO | Generator Set (8 kVA)                    | 2 units   | PDRRMO Warehouse                               |

| ORIENTAL MINDORO   | Crawler Dozer Hydraulic                         | 4 units      | Light Pool, Brgy. Sta. Isabel, Calapan  |
|--------------------|---|--------------|---|
|                    | Excavator                                       | 4 01103      | City  |
| ORIENTAL MINDORO   | Radio   | 35 units     | PDRRMO Warehouse  |
| ORIENTAL MINDORO   | Plastic palette                                 | 200 pcs      | PDRRMO Watehouse  |
|                    | Water Truck                                     | 5 units      |   |
| MARINDUQUE         | Water Truck                                     | 5 units      | 20K liters-PDRRMO Marinduque, 10K<br>liters-Boac MDRRMO, 15K liters-Mogpog<br>MDRRMO, 5K liters-Torrijos MDRRMO<br>10K liters - PEO   |
| MARINDUQUE         | IBC square Water Tank                           | 10 units     | Torrijos MDRRMO   |
| MARINDUQUE         | Rescue Ambulance                                | 7 units      | 1 unit- PDRRMO Marinduque, 1 unit<br>MDRRMO Boac, 1 unit-MDRRMO Boac,<br>1 unit-MDRRMO Buenavista, 1 unit-<br>MDRRMO Torrijos, 1 Unit-Sta. Cruz<br>MDRRMO, 1 unit Mogpog MDRRMO |
| MARINDUQUE         | Rescue/ Speed Boat                              | 1 units      | 1 unit-PDRRMO, 1 unit-Gasan<br>MDRRMO, 1 unit-Buenavista MDRRMO,<br>1 unit-Sta. Cruz MDRRMO   |
| MARINDUQUE         | Diesel  | 3,500 liters | PDRRMO % The Blessed Gasoline<br>Station, Mogpog  |
| MARINDUQUE         | Gasoline  | 1,000 liters | PDRRMO % The Blessed Gasoline<br>Station, Mogpog  |
| MARINDUQUE         | Rescue Vehicle                                  | 7 units      | 1 unit- PDRRMO Marinduque, 1 unit<br>MDRRMO Boac, 1 unit-MDRRMO Boac,<br>1 unit-MDRRMO Buenavista, 1 unit-<br>MDRRMO Torrijos, 1 Unit-Sta. Cruz<br>MDRRMO, 1 unit Mogpog MDRRMO |
| OCCIDENTAL MINDORO | DAIDEN Generator (1000w,<br>1KVA)               | 2 units      |   |
| OCCIDENTAL MINDORO | Gasoline Portable Inverter<br>Generator (2000W) | 1 unit       |   |
| OCCIDENTAL MINDORO | Drone with 3-Axis Gimbal 4K<br>Camera           | 1 unit       |   |

| OCCIDENTAL MINDORO | Features (Extended Flight times,<br>New<br>UHV battery with 3 levels of<br>battery,<br>Power-flip function when floating,<br>New improved 3-axis gimbal 4K<br>camera<br>Drone with 3-Axis Gimbal 4K | 1 unit   |  |
|--------------------|---|----------|--|
|                    | Camera<br>SPLASHDRONE 3+ SWELLLPRO  |          |  |
| OCCIDENTAL MINDORO | IMT Task Force  | 3 teams  | 7 personnel per team   |
| OCCIDENTAL MINDORO | Tent 20 x 20  | 10 units | (2 SAMARICA, 1 Sablayan)                                       |
| OCCIDENTAL MINDORO | Tent 10 x 20  | 10 units |  |
| OCCIDENTAL MINDORO | Handheld (Cignus Radio)   | 97 units |  |
| OCCIDENTAL MINDORO | Base radio with speaker<br>microphone   | 10 units |  |
| OCCIDENTAL MINDORO | Water Pump  | 2 units  |  |
| OCCIDENTAL MINDORO | Hand Water Pump   | 50 pcs   |  |
| OCCIDENTAL MINDORO | L300  | 3 units  | (1 Lubang, 1 SAMARICA, 1 Sablayan)                             |
| OCCIDENTAL MINDORO | L200  | 4 units  | (3 Mamburao, 1 SAMARICA)                                       |
| OCCIDENTAL MINDORO | Mobile Kitchen  | 1 unit   |  |
| OCCIDENTAL MINDORO | Pick-up (PDRRMO)  | 3 units  |  |
| OCCIDENTAL MINDORO | Rubber boat   | 4 units  |  |
| OCCIDENTAL MINDORO | Fiberglass Boat   | 1 units  |  |
| OCCIDENTAL MINDORO | Rapid Rescue Vehicle  | 2 units  |  |
| OCCIDENTAL MINDORO | Rescue Truck  | 1 units  |  |
| OCCIDENTAL MINDORO | Rapid Response Motorcycle<br>Vehicle  | 3 units  | (1 Mamburao, 1 SAMARICA, 1<br>Sablayan)                        |
| OCCIDENTAL MINDORO | Ambulance   | 9 units  | (4 Mamburao, 1 Sablayan, 2<br>SAMARICA, 1 Calatagan, 1 Lubang) |

| Sea Ambulance                           | 3 units  | (1 Mambu, 1 SAMARICA, 1 Lubang)  |
|---|--|--|
| Rapid Assessment Vehicles               | 8 units  | City Government of Calapan:  |
|   |  | Six 4x2 Pick-up  |
|   |  | Two 4x4 Pick-up  |
| L300                                    | 8 units  | City Government of Calapan   |
| Foton Trucks                            | 2 units  | City Government of Calapan   |
| L200                                    | 5 units  | City Government of Calapan   |
| Fire Trucks                             | 7 units  | Three units from BFP Calapan<br>One Unit from CDRRMD   |
|   |  | Three units from Tamaraw Fire  |
|   |  | Volunteers   |
|   | 1 units  | City Health and Sanitation Department  |
| Dump Trucks                             | 7 units  | City Government of Calapan   |
|   | 30 units   | City DRRM Department   |
| Sea Ambulance                           |  |  |
| Search and Rescue Vessel /<br>Speedboat |  |  |
| Search and Rescue Vehicle               | 3 units  | Land Assets stationed at 3 main Islands  |
| Dumptruck                               | 1 unit   |  |
| Generators                              | 18 units   |  |
| Port/Pier                               | 16 destinations  | Municipal - 12<br>National - 4   |
| Mobile Kitchen                          | 2 units  | Operational, serviceable, CDRRMO   |
| Utility Vehicles                        | 4 units  | Serviceale,<br>2 L300,<br>1 Nemo,<br>1 Mobidick<br>CITY DRRM OFFICE  |
|   | Rapid Assessment Vehicles         L300         Foton Trucks         L200         Fire Trucks         Mobile Clinic         Dump Trucks         Collapsible Tents (10x10)         Sea Ambulance         Search and Rescue Vessel /<br>Speedboat         Search and Rescue Vehicle         Dumptruck         Generators         Port/Pier         Mobile Kitchen | Rapid Assessment Vehicles       8 units         L300       8 units         Foton Trucks       2 units         L200       5 units         Fire Trucks       7 units         Mobile Clinic       1 units         Dump Trucks       7 units         Collapsible Tents (10x10)       30 units         Sea Ambulance       30 units         Search and Rescue Vessel /<br>Speedboat       3 units         Dumptruck       1 unit         Generators       18 units         Port/Pier       16 destinations         Mobile Kitchen       2 units |

| PUERTO PRINCESA CITY | Mass Casualty Vehicle              | 2 units  | Serviceale, City DRRM Office                    |
|----------------------|------------------------------------|----------|---|
| PUERTO PRINCESA CITY | L300 Service Vehicle               | 1 unit   | Serviceale, City DRRM Office                    |
| PUERTO PRINCESA CITY | Fire Truck                         | 2 units  | Serviceale, City DRRM Office                    |
| PUERTO PRINCESA CITY | Mobile Testing Vehicle             | 4 units  | Operational and Serviceale, City DRRM<br>Office |
| PUERTO PRINCESA CITY | Tent                               | 13 units | Available, City DRRM Office                     |
| PUERTO PRINCESA CITY | Utility Truck (Buffalo)            | 1 unit   | Serviceable, City DRRM Office                   |
| PUERTO PRINCESA CITY | Service Truck                      | 1 unit   | Serviceale, CDRRMO                              |
| PUERTO PRINCESA CITY | Lorry truck                        | 2 units  | Serviceale, CDRRMO                              |
| PUERTO PRINCESA CITY | Handheld Radio                     | 50 units | Operational, CDRRMO (Patrol 117)                |
| PUERTO PRINCESA CITY | Satellite Phone                    | 4 units  | Operational, CDRRMO (Patrol 117)                |
| PUERTO PRINCESA CITY | HF radio                           | 4 units  | Operational, CDRRMO (Patrol 117)                |
| PUERTO PRINCESA CITY | Patient Transport Vehicle          | 6 units  | Serviceable, City Health Office                 |
| PUERTO PRINCESA CITY | Coaster (personnel transportation) | 1 unit   | Available, CHO                                  |
| PUERTO PRINCESA CITY | 15Kva Genset with Trailer          | 1 unit   | Available, CHO                                  |

| PUERTO PRINCESA CITY |  |         | Available, CHO                               |
|----------------------|--|---------|--|
|                      | Transport Vehicle                          | 1 unit  |  |
| PUERTO PRINCESA CITY | Emergency Mobile Generator Set<br>(15 kva) | 2 units | Available, CHO                               |
| PUERTO PRINCESA CITY | Mobile patrol                              | 7 units | Serviceable, CIO (Anti-crime task force)     |
| PUERTO PRINCESA CITY | Dump truck                                 | 7 units | Serviceable, City Engineering Office         |
| PUERTO PRINCESA CITY | Excavator                                  | 4 units | Serviceableeable, City Engineering<br>Office |
| PUERTO PRINCESA CITY | Portable Generator set                     | 3 units | Serviceable, City Engineering Office         |
| PUERTO PRINCESA CITY | Backhoe                                    | 2 units | Serviceable, City Engineering Office         |
| PUERTO PRINCESA CITY | Boom truck                                 | 2 units | Serviceable, City Engineering Office         |
| PUERTO PRINCESA CITY | Bulldozer                                  | 2 units | Serviceable, City Engineering Office         |
| PUERTO PRINCESA CITY | Manlift Truck                              | 2 units | Serviceable, City Engineering Office         |
| PUERTO PRINCESA CITY | Drop Side Truck                            | 2 units | Serviceable, City Engineering Office         |
| PUERTO PRINCESA CITY | Graders                                    | 4 units | Serviceable, City Engineering Office         |
| PUERTO PRINCESA CITY | Mini dumptruck                             | 2 units | Serviceable, City Engineering Office         |
| PUERTO PRINCESA CITY | Pick up truck                              | 1 unit  | Serviceable, City DRRM Office                |

| PUERTO PRINCESA CITY |                             |         | Serviceable, City DRRM Office        |
|----------------------|-----------------------------|---------|--------------------------------------|
|                      | Rescue Truck                | 1 unit  |                                      |
| PUERTO PRINCESA CITY |                             |         | Serviceable, City DRRM Office        |
|                      | Off Road Motorcycle         | 7 units |                                      |
| PUERTO PRINCESA CITY |                             |         | Serviceable, City DRRM Office        |
|                      | Jetski                      | 2 units |                                      |
| PUERTO PRINCESA CITY |                             |         | Serviceable, City Agriculture Office |
|                      | Scuba Gear set              | 4 units |                                      |
| PUERTO PRINCESA CITY |                             |         | Serviceable, City Agriculture Office |
|                      | Hino Truck                  | 1 unit  |                                      |
| PUERTO PRINCESA CITY |                             |         | Serviceable, City Agriculture Office |
|                      | 4DR5 motorized service boat | 1 unit  |                                      |
| PUERTO PRINCESA CITY |                             |         | Available, City DRRM Office          |
|                      | Warehouse                   | 5       |                                      |

The Table shows the current available resources in the care of the member agencies. The information displayed may not fully encompass all existing resources due to the unavailability of information coordinated to the drafters of this plan.



# **CP Form 8: Resource Projection**

| RESPONSE<br>CLUSTER        | LOGISTICS |        |                       |  |  |   |
|----------------------------|-----------|--------|-----------------------|--|--|---|
| RESOURCE                   | NEED      | HAVE   | GAPS<br>(NEED – HAVE) | ACTIVITIES/<br>SOURCES TO<br>FILL THE GAPS   | COST<br>ESTIMATES<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) | SOURCE OF<br>FUNDS<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) |
| Desalination System        | 7         | 0      | 7                     | Procurement of<br>Desalination<br>System     | 70,000,000.00  | LDRRMF, FFS   |
| Water Filtration<br>System | 7         | 4      | 3                     | Procurement of<br>Water Filtration<br>System | 855,000.00   | LDRRMF, FFS   |
| Diesel                     | 100,000   | 100000 | 0                     |  |  |   |
| Gasoline                   | 100,000   | 100000 | 0                     |  |  |   |
| Lubricants                 | 20,000    | 20000  | 0                     |  |  |   |
| Fuel Barrels               | 70        | 11     | 59                    | Procurement of<br>Fuel Barrels               | 2,360,000.00   | LDRRMF, FFS   |
| Fuel Hose                  | 70        | 10     | 60                    | Procurement of<br>Fuel Hose                  | 9,000.00   | LDRRMF, FFS   |
| Dropside Trucks            | 2         | 2      | 0                     |  |  |   |
| Water Trucks               | 79        | 79     | 0                     |  |  |   |
| Fire Truck                 | 92        | 92     | 0                     |  |  |   |
| Pick-ups                   | 95        | 95     | 0                     |  |  |   |

| Dump Trucks                      | 47  | 47 | 0   |   |            |             |
|----------------------------------|-----|----|-----|---|------------|-------------|
| Backhoe                          | 2   | 2  | 0   |   |            |             |
| Motorcycle - Rapid<br>Assessment | 28  | 28 | 0   |   |            |             |
| Self Loading Trucks              | 3   | 3  | 0   |   |            |             |
| Ropes                            | 104 | 0  | 104 | Procurement of<br>Ropes                 | 208,000.00 | LDRRMF, FFS |
| Sakoline (8ftx100m)              | 104 |    | 104 | Procurement of<br>Sakoline              | 728,000.00 | LDRRMF, FFS |
| Fixed Wing Aircraft              | 1   | 1  | 0   |   |            |             |
| Generators - 75KVA               | 2   | 2  | 0   |   |            |             |
| Generators - 25 KVA              | 1   | 1  | 0   |   |            |             |
| Generator - 8.5 KVA              | 5   | 3  | 2   | Procurement of<br>8.5 KVA<br>generators | 200,000.00 | LDRRMF, FFS |
| Generator - 15 KVA               | 1   | 1  | 0   |   |            |             |
| Generator - 7.5 kVA              | 6   | 6  | 0   |   |            |             |
| Generator- 1KVA                  | 1   | 1  | 0   |   |            |             |
| Boom Trucks                      | 2   | 2  | 0   |   |            |             |
| Small Water Crafts               | 52  | 52 | 0   |   |            |             |
| Medium - Large Sea<br>Vessels    | 9   | 9  | 0   |   |            |             |
| Rotary Aircrafts                 | 1   | 1  | 0   |   |            |             |
| Water Bladders                   | 79  | 0  | 79  | Procurement of<br>Water Bladders        | 205,400.00 | LDRRMF, FFS |
| Mobile Clinic                    | 7   | 1  | 6   | Augmentation of<br>Mobile Clinic        |            |             |
| Fire extinguishers               | 70  | 70 | 0   |   |            |             |

| Trollies                         | 70  | 10  | 60  | Procurement of<br>Trollies        | 960,000.00   | LDRRMF, FFS |
|----------------------------------|-----|-----|-----|-----------------------------------|--------------|-------------|
| Water Hose                       | 25  | 0   | 25  | Procurement of<br>Water Hose      | 32,500.00    | LDRRMF, FFS |
| Dock/Pier                        | 86  | 86  | 0   |                                   |              |             |
| Warehouse                        | 79  | 79  | 0   |                                   |              |             |
| Motorpool                        | 7   | 7   | 0   |                                   |              |             |
| Water Storage -<br>Drums         | 70  | 11  | 59  | Procurement of<br>Drums           | 118,000.00   | LDRRMF, FFS |
| Radio                            | 300 | 442 | 0   |                                   |              |             |
| SatPhone                         | 35  | 10  | 25  | Procurement of<br>SatPhone        | 1,875,000.00 | LDRRMF, FFS |
| Sea Ambulance                    | 7   | 7   | 0   |                                   |              |             |
| Plastic/Wooden<br>Pallets        | 100 | 200 | 0   |                                   |              |             |
| Water Pumps                      | 200 | 52  | 0   |                                   |              |             |
| Drone                            | 10  | 22  | 0   |                                   |              |             |
| Mobile Kitchen                   | 7   | 4   | 3   | Augmentation of<br>Mobile Kitchen |              | Red Cross   |
| Collapsible Tents<br>(10x10)     | 43  | 43  | 0   |                                   |              |             |
| Collapsible Tents<br>(10x20)     | 10  | 10  | 0   |                                   |              |             |
| Collapsible Tents<br>(20x20)     | 10  | 10  | 0   |                                   |              |             |
| Manpower - Security<br>Personnel | 158 | 464 | 306 |                                   |              |             |
| Manpower -                       | 21  | 21  | 0   |                                   |              |             |

| Mechanic           |         |      |         |                              |                |             |
|--------------------|---------|------|---------|------------------------------|----------------|-------------|
| Manpower - Haulers | 700     | 700  | 0       |                              |                |             |
| L300               | 12      | 12   | 0       |                              |                |             |
| L200               | 9       | 9    | 0       |                              |                |             |
| Water Tank         | 20      | 20   | 0       |                              |                |             |
| Jerry Cans         | 10500   | 3000 | 7500    | Procurement of<br>Jerry Cans | 1,500,000.00   | LDRRMF, FFS |
| Meals              | 540,000 | 0    | 540,000 | Procurement                  | 108,000,000.00 | LDRRMF,FFS  |
|                    |         | •    |         | TOTAL                        | 187,050,900.00 |             |

# **RESPONSE CLUSTER IMPLEMENTATION PLAN**

# EARLY RECOVERY CLUSTER

# Lead: Department of Social Welfare and Development (DSWD)

#### Members:

- Department of Agriculture
- RFO and its attached Bureau
- Local Disaster Risk Reduction and Management Councils of MIMAROPA
- Department of Labor and Employment
- National Water Resources Board
- Local Water Utilities Administration
- Department of Trade and Industry
- Department of Energy
- Electric Cooperatives

#### Scenario:

PAGASA declares the start of the El Niño phenomenon in the Tropical Pacific and its effects Based on August-December rainfall forecast, Marinduque, Occidental Mindoro, Oriental Mindoro, and Romblon will experience dry spell and Palawan will experience dry conditions by the end of December 2023. By the end of January 2024, Occidental Mindoro and Oriental Mindoro will experience drought, while Marinduque, Palawan, and Romblon will experience dry spell. In the worst case scenario, reduced water supply in farmland (at least 50% or more of the programmed areas for irrigation will not be irrigated) will result in delayed planting and harvesting operations and low crop yield, particularly on rainfed areas and tail-end of the irrigated areas. Further, there will be a decrease in livestock production due to limited water points and pasture, degradation of existing pasture, higher incidence of heat stress for livestock and poultry, and increased outbreaks of transboundary animal diseases. These circumstances will ultimately contribute to the high cost of agricultural products.

In terms of fisheries, lakes and river temperature start to increase and level is 50% below and start to dry up while some aquatic organisms start to die off. Moreover, there will be a reduction in the fertility of fishes, decrease in fisheries production due to widespread coral bleaching, fish kills due to depletion of oxygen.

On the other hand, an estimated 200,188 farmers or 75% of the total number of farmers, 157,550 fisherfolk or 80% of the total number of fisherfolk, and 6,829 of 12% number of MSMEs in the region will be affected by the drought.

#### **Objective:**

- 1. To provide basic subsistence needs of affected population based on acceptable standards during or immediately after the El Niño
- 2. To immediately restore basic social services

- 3. To restore the immediate people's means of livelihood and continuity of economic activities and business
- 4. Strengthen capacities, facilitates and procedures at all levels to effectively prepare for response and to build forward better in early recovery
- 5. To identify needed assistance and formulate appropriate programs for the affected individuals

# **Roles and Responsibilities:**

- 1. Conduct monitoring and profiling of affected farmers, fisherfolk, and MSMEs for the provision of immediate agri-fishery related assistance and interventions.
- 2. Provide capacity building and training for affected farmers, fisherfolk, and MSMEs relative to prevention and mitigation of adverse effects of El Niño in their respective sectors/industries.
- 3. Conduct information awareness campaigns.
- 4. Assist farmers and fisherfolk in the provision of insurance and financial loans and support.
- 5. Providing income diversification by facilitation of livelihood recovery by creating delivery of emergency employment programs.
- 6. Identify affected agricultural lands affected by drought and ensure the provision of water supply.
- 7. Regulate the price of the agricultural and fisheries commodities and other products.
- 8. Oversee effective implementation and enforcement of trade regulation and fair trade laws.
- 9. Strict adherence to power plant maintenance schedule and improvement of facilities.
- 10. Provide soft loans administered by NEA to assist electric cooperatives to augment their generation capacity.

# **CLUSTER MEMBERS:**

#### **Roles and Responsibilities:**

A. Department of Agriculture

#### **Pre - Disaster Phase**

- a. Information Awareness Campaign
- b. Conduct of Regional Coordination Meeting
- c. Conduct training on Disaster Risk Reduction Management

# **During - Disaster Phase**

- a. Facilitate the distribution of Buffer Stock seeds and Fertilizers and soil ameliorants.
- b. Facilitate the distribution of Solar power pumps and engines set.
- c. Identify the affected farmers and the intervention needed.

# **Post - Disaster Phase**

- a. Calamity Loan Assistance.
- b. Provision of heat resistant and short maturing variety.

# **B.** National Irrigation Administration

# **Pre - Disaster Phase**

- a. Adjusting the Cropping Calendar and pattern of Planting
- b. Timely monitoring of water level of rivers and dams of NIA Assisted Irrigation Systems
- c. Make use of available water and consider implementing Quick Turnaround (QTA) or Third Cropping
- d. Ensure that farmers acquire Crop Insurance
- e. Promote Short Maturing Variety Seeds & Heat Resistant Variety Seeds
- f. Implement the downstream start scheme of Pattern of Planting

# **During - Disaster Phase**

- a. Identify the areas and farmers affected by the effect of El Niño within the service area of NIA- Assisted Irrigation System.
- b. Implement water-saving technologies and adopt water-efficient practices to mitigate the impacts of El Nino such as Alternate Wetting and Drying (AWD) and implementation of a water rotation scheme.
- c. Implement crop diversification on the tail-end areas of the irrigation system where there is a lack of water supply.
- d. Facilitate the construction of brush dam to raise the water level in the river and divert the water in the intake of the irrigation system.
- e. Procurement and installation of Pumps & Engine (7.5HP Diesel Powered and Solar Powered Pumps) on the identified affected areas within the NIA-Assisted Irrigation System.

#### Post - Disaster Phase

- a. Assessment and thorough evaluation on the effects of El Niño within the Service area of NIA Assisted Irrigation Systems and affected water resources.
- b. Promote Crop Diversification and Short Maturing Variety Seeds & Heat Resistant Variety Seeds for the next cropping season.

#### C. Bureau of Fisheries and Aquatic Resources

#### **Pre - Disaster Phase**

- a. Mainstream the information and awareness campaign to the public thru telecommunication and social media platform (Facebook pages);
- b. Conduct Regional Coordination Meeting with Provincial Local Unit
- c. Conduct pre-training on Disaster Risk Reduction Management and Safety Standard.

#### **During - Disaster Phase**

- a. Conduct assessment, identified and Confirmed the affected areas.
- b. Identify the particular needs by the fisherfolks in the affected areas
- c. Coordinate with the Provincial Local Unit and other agencies concerned for emergency employment.

#### **Post - Disaster Phase**

- a. Monitor and Provide livelihood assistance to the affected fisherfolks.
- b. Coordinate to the partnership agencies to assist fisherfolk in the provision of financial loans and support.
- c. Implement an emergency work program for affected fisherfolks;
- d. Conduct validation to the fisherfolk EL Nino affected for distribution of assistance.

#### D. Department of Labor and Employment

#### **Pre - Disaster Phase**

- a. Information Awareness Campaign
- b. Conduct of Regional Coordination Meeting

c. Conduct training on Disaster Risk Reduction Management and Occupational and Safety Standard

# **During - Disaster Phase**

- a. Monitor and identify affected workers and intervention needed.
- b. Provide capacity buildings and training needed by affected workers for income diversification.
- c. Implement an emergency work program for affected workers.
- d. Coordinate with other concerned agencies for emergency employment related programs.

# **Post - Disaster Phase**

- a. Provide capacity buildings and training needed by affected workers for income diversification.
- b. Implement an emergency work program for affected workers.

# E. Department of Energy, National Electrification Administration, and Electric Cooperatives

# Pre - Disaster Phase

- a. Information Awareness Campaign
- b. Issue orders relative to the implementation of energy efficiency and conservation campaign
- c. Conduct of Regional Coordination Meeting
- d. Review and update preventive maintenance schedule, if necessary

# **During - Disaster Phase**

- a. Monitor and identify affected workers and intervention needed.
- b. Strictly implement preventive maintenance schedule
- c. Monitor the supply and demand of power of provinces
- d. Monitor Hydroelectric Plants (HEP) and Dams
- e. Provide soft loans administered by NEA to augment the power generation of electric cooperatives
- f. Issue order regarding the implementation of Interruptible Load Program (ILP) to help mitigate energy supply shortages

# **Post - Disaster Phase**

- c. Monitor the implementation of preventive maintenance schedule.
- d. Continue monitoring the supply and demand of power of provinces and Hydroelectric Plants (HEP) and Dams.
- e. Improve power plant facilities.

#### F. Local Disaster Risk Reduction and Management Councils of MIMAROPA

#### **Pre - Disaster Phase**

- a. Maintain inventories of available logistics.
- b. Ensure operability of the transport vehicles and vessels.
- c. Forge partnerships with other organizations that can assist in logistical support operations.

# **During - Disaster Phase**

- e. Monitor and identify affected individuals and appropriate interventions
- f. Monitor the existing stockpiles in warehouses and operational equipment
- g. Conduct assessments and emergency repairs of crucial transportation equipment
- h. Assist Early Recovery Cluster with transportation and manpower for their operations
- i. Coordinate with other concerned agencies for assistance in the logistics operations.
- j. Assist the Early Recovery Cluster to ensure that their teams reach the beneficiaries of their programs.

#### **Post - Disaster Phase**

- a. Provide logistical support to the activities od Early Recovery Cluster.
- b. Provide Early Recovery Cluster a situational report through submission of damage assessment report and provide comprehensive list of identified beneficiaries for early recovery programs.

# G. Department of Trade and Industry

#### **Pre - Disaster Phase**

- a. Participates in joint cluster meetings
- b. Conduct information dissemination to increase public awareness
- c. Regulate the price of the commodities and other products
- d. Sourcing plan to identify which commodities can be purchased locally and which can be need to be procured (abroad) for exportation

# **During - Disaster Phase**

- a. Overseeing the effective implementation and enforcement of trade regulation and fair trade laws
- b. Ensures availability of supply of basic necessities
- c. Conduct monitoring and profiling of affected MSMEs for the provision of immediate assistance and interventions.

#### **Post - Disaster Phase**

- a. Provide capacity buildings and training needed by affected MSMEs to recover and adapt to the challenging weather condition.
- b. Facilitate access to credit or loans.

#### H. National Water Resources Board/Local Water Utilities Administration

#### **Pre - Disaster Phase**

- a. Information Awareness Campaign
- b. Issue orders relative to the implementation of water supply sustainability by applying practical water conservation measures by the water consumers
- c. Conduct of Regional Coordination Meeting
- d. Monitor water extraction data and other relevant information of the Water Districts

# **During - Disaster Phase**

a. Continue monitoring water extraction data and other relevant information of the Water Districts

# **Post - Disaster Phase**

- a. Implement water sewerage projects and reactivation and construction of deep wells
- b. Expand the water supply services to attain the 80% service coverage in the next five (5) years



# **CP** Form 6: Response Activities

| RESPONSE CLUSTER: | EARLY RECOVERY   |  |
|-------------------|--|--|
| TIMEFRAME         | NEEDS AND RESPONSE ACTIVITIES  | RESPONSIBLE<br>AGENCIES/OFFICES              |
| D + 30 days       | 2,846 Livelihood start-up assistance through the implementation of Pangkabuhayan sa Pagbangon at Ginhawa (PPG) Program   | DTI MIMAROPA                                 |
| D + 15 days       | 570 Access to credit or loans to MSMEs   | DTI MIMAROPA - Small Business<br>Corporation |
| D + 30 days       | Access to basic needs and prime commodities  | DTI MIMAROPA                                 |
| D+-               | Stable price of basic commodities  | DTI MIMAROPA                                 |
| D                 | Fuel Subsidies for Farmers and Fisherfolks   | DA, NIA & BFAR MIMAROPA                      |
| D + 30 days       | Provision of Drugs and Biologics for Livestock and Poultry   | DA MIMAROPA, LGUs                            |
| D + 1 day         | 1500 units of 7.5 HP Diesel Powered Pumps & Engine (for Open source & Ground Water)  | DA, NIA, LGUs                                |
| D + 1 day         | 51 units of Solar Powered Pumps & Engine (for Open source & Ground Water)  | DA, NIA, LGUs                                |
| D                 | Distribution of Fish fingerlings and Seaweeds seedlings  | BFAR MIMAROPA                                |
| D + 1 day         | Cloud Seeding  | BSWM, DA MIMAROPA, AFP, OCD                  |
| D - 2 month       | Enrollment of crop to insurance  | PCIC, LGUs                                   |
| D+1 day           | Facilitate credits loan programs for agricultural and fishery livelihood<br>projects intended for Registered farmers, farmers/fisherfolk'<br>association and cooperatives, or individual within the region | ACPC, DA MIMAROPA, BFAR<br>MIMAROPA          |
| D+2 weeks         | Provision of Emergency Cash Transfer   | DSWD/DA/LSWDO/LDRRMO                         |
| D+3 week          | Preparation of Proposal and Re quest of Funding Support  |  |
| D+1 month         | Provision of Cash for Work/Food for Work   | DSWD/DA/LSWDO/LDRRMO/DENR                    |
| D+2 month         | Rice Subsidy   | DSWD/DA/LSWDO/LDRRMO/DENR                    |
| D+2month          | Provision of Cash For Training   | DSWD/DTI/TESDA/LSWDO                         |
| D                 | Provision of TUPAD   | DOLE, DSWD                                   |
| D - 60 day        | Provision of Short Maturing Variety Seeds (Rice, Corn, HVC)  | DA MIMAROPA, LGUs                            |
| D - 60 day        | Provision of Heat Resistant Variety Seeds (Rice, Corn, HVC)  | DA MIMAROPA, LGUs                            |

| D + 6 months | Establishment and distribution of deep sea Fish Aggregating Device (FADs) or "PAYAO"   | BFAR MIMAROPA, LGUs               |
|--------------|--|-----------------------------------|
| D + 1 day    | Crawler Type Backhoe for the construction of Brush Dam   | NIA, LGUs, DPWH                   |
| D + 1 day    | Dozer for the construction of Brush Dam  | NIA, LGUs, DPWH                   |
| D + 60 days  | Maintenance of Seaweeds Tissue Culture Laboratory and provision of produced tissue cultured propagules to affected fisherfolks.                                    | BFAR MIMAROPA                     |
| D + 60 days  | Provision of livelihood assistance to fisherfolk, thru: Provision of<br>Post-harvest training on fish and seaweeds processing technology<br>and other value added. | BFAR MIMAROPA                     |
| D + 60       | Establishment/Upgrading of market (for alternative agricultural<br>commodities planted by farmers as substitute to palay and other<br>non-drought tolerant crops)  | DA MIMAROPA,DTI MIMAROPA,<br>LGUs |
| D + 6 months | Establishment of submersible fish cage (EL Nin0 and Typhoon)   | BFAR MIMAROPA                     |
| D + 6 months | Coral Nursery Platform for establishment of coral nursery  | BFAR MIMAROPA, DENR, LGUs, DOST   |
| D + 6 months | Diving equipments for Marine Resource Monitoring   | BFAR MIMAROPA, LGUs               |
| D-30 days    | Issuance of department orders to ensure conduct of preventive maintenance schedule of electric cooperatives  | DOE, NEA                          |
| D+30 days    | Provide soft loans to be administered by the NEA to augment electric cooperative's generation capacity   | DOE, NEA                          |



# **CP** Form 7: Resource Inventory

| <b>RESPONSE CLUSTER:</b> | EARLY RECOVERY                           |   |   |  |
|--------------------------|--|---|---|--|
| AGENCY/OFFICE            | RESOURCE                                 | QUANTITY                                    | REMARKS   |  |
| DA RFO MIMAROPA          | water pumps and engines                  | 60 units                                    | DA MIMAROPA   |  |
| DA RFO MIMAROPA          | Hybrid Rice Seeds                        | 2000 bags                                   | MIMAROPA  |  |
| DA RFO MIMAROPA          | OPV WHite Corn                           | 18000 kg                                    | Oriental Mindoro  |  |
| DA RFO MIMAROPA          | Hybrid Corn Seeds                        | 9000 bags                                   | Occidental Mindoro, Romblon,<br>Marinduque                |  |
| DA RFO MIMAROPA          | GM Hybrid                                | 18,000 kg                                   | Occidental Mindoro, Romblon,<br>Marinduque                |  |
| DA RFO MIMAROPA          | Assorted vegetable Seeds and<br>Spices   | 27,195 packets                              | MIMAROPA  |  |
| DTI MIMAROPA             | Diskwento Caravan                        | 10 runs                                     | MIMAROPA  |  |
| DTI MIMAROPA             | Business Counseling                      | ANA   | MIMAROPA  |  |
| DTI MIMAROPA             | Conduct of livelihood trainings          | 61 trainings/quarter                        | MIMAROPA  |  |
| DTI MIMAROPA             | Shared Service Facilities                | 38 projects with potable water<br>component | OCM, ORM, RBN, PWN  |  |
| DTI MIMAROPA             | Monthly price monitoring                 | weekly/monthly                              | MIMAROPA  |  |
| DTI MIMAROPA             | Pangkabuhayan sa Pagbangon at<br>Ginhawa | 300 livelihood kits                         | MIMAROPA  |  |
| BFAR MIMAROPA            | Fish fingerlings                         | Tilapia - 500 pcs/F<br>Milkfish- 500 pcs/F  | available at Brackishwater<br>Fisheries Research Station- |  |
|                          |  | Seabass - 500 pcs/F                         | Oriental Mindoro, at Inland Sea                           |  |
|                          |  | grouper - 500 pcs/ F                        | ranching Station -Palawan                                 |  |
|                          |  | other species - 500 pcs/F                   | ranoning clation i alawan                                 |  |
| BFAR MIMAROPA            | Seaweeds seedling                        | 3MT   | available MIMAROPA  |  |
| BFAR MIMAROPA            | Fish Aggregating Device or<br>"PAYAO"    | 30 units payao                              | available MIMAROPA  |  |
| BFAR MIMAROPA            | Submersible Fish Cage                    | 30 units                                    | available MIMAROPA  |  |

| BFAR MIMAROPA | Post-harvest training on fish and<br>seaweeds processing technology<br>and other value added | 12 trainings to be conducted | available MIMAROPA   |
|---------------|--|------------------------------|--|
| DSWD MIMAROPA | Family Food Packs  | 82,513                       | Available at DSWD Warehouses<br>and at LGU designated facility                       |
| DSWD MIMAROPA | Non-Food Items - Hygiene Kits  | 3,951                        | Available at DSWD Warehouses<br>and at LGUAvailable at DSWD<br>Warehouses and at LGU |
| DSWD MIMAROPA | Non-Food Items- Collapsible<br>Water Container   | 4,277                        | Available at DSWD Warehouses and at LGU  |



# **CP Form 8: Resource Projection**

| RESPONSE<br>CLUSTER         | EARLY RECOVERY                   |           |                                  |   |  |   |
|-----------------------------|----------------------------------|-----------|----------------------------------|---|--|---|
| RESOURCE                    | NEED                             | HAVE      | GAPS<br>(NEED – HAVE)            | ACTIVITIES/<br>SOURCES TO<br>FILL THE GAPS                  | COST<br>ESTIMATES<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) | SOURCE OF<br>FUNDS<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) |
| Water pumps and engines     | 100 units                        | 60 units  | 40 units                         | Provision of water pumps.                                   |  |   |
| Rice Seeds                  | 3500 bags                        | 2000 bags | 1500                             | Provision of rice seeds                                     | 7,500,000.00   |   |
| OPV WHite Corn              | 3500 kg                          | 18000 kg  | 1700kg                           | Provision of OPV<br>white corn                              |  |   |
| Hybrid Corn<br>Seeds        | 9500 bags                        | 9000 bags | 500 bags                         | Provision of<br>Hybrid corn seeds                           |  |   |
| GM Hybrid                   | 19,000 kg                        | 18,000 kg | 1,000 kg                         | Provision of GM<br>hybrid                                   |  |   |
| Assorted<br>Vegetable Seeds | 320 kilos                        | 120 kilos | 200kilos                         | Provision of<br>Assorted of<br>assorted<br>vegetables seeds | 2,000,000.00   |   |
| Drugs and<br>Biologics      | 5000 pieces                      | 0         | 5000 pieces                      | Provision of Drugs<br>and Biologics                         | 5,000,000.00   |   |
| Fertilizer                  | 220 kilos of soil<br>conditioner | 0         | 220 kilos of soil<br>conditioner | Provision of<br>Fertilizer                                  | 880,000.00   |   |
|                             | 111,500 organic fertilizer       | 0         | 111,500 organic<br>fertilizer    | Provision of<br>Fertilizer                                  | 1,695,000.00   |   |
| Diskwento<br>Caravan        |                                  | 10 runs   |                                  |   |  |   |

| Business<br>Counseling  |   | ANA   |                         |                        |               |  |
|---|---|---|-------------------------|------------------------|---------------|--|
| Conduct of<br>livelihood<br>trainings   |   | 61 Negosyo<br>Center will<br>conduct 1<br>training/ quarter |                         |                        |               |  |
| Shared Service<br>Facilities  |   | 38 SSF projects<br>with potable water<br>component          |                         |                        |               |  |
| Pangkabuhayan<br>sa Pagbangon at<br>Ginhawa   | 2,846 (micro)<br>livelihood start up<br>kit | 300 kits  | 2,546 kits for<br>micro | Request for funding    | 14,230,000.00 |  |
| Credit/loan<br>assistance   | 570 SMEs                                    | 0   | 570 SMEs                | Request for<br>funding | 57,000,000.00 |  |
| Monthly price monitoring  |   | weekly/ monthly   |                         |                        |               |  |
| Fish fingerlings  | 10M pcs                                     | 5M pcs  | 5M pcs                  | For funding            | 40,000,000.00 |  |
| Seaweeds seedling   | 300,000 kgs                                 | 150,000 kgs   | 150,000 kgs             | For funding            | 4,500,000.00  |  |
| Fish Aggregating<br>Device or<br>"PAYAO"  | 40 units                                    | 30 units  | 10 units                | For funding            | 450,000.00    |  |
| Submersible Fish<br>Cage  | 10 units                                    | 5 units   | 5 units                 | For funding            | 4,000,000.00  |  |
| Post-harvest<br>training on fish<br>and seaweeds<br>processing<br>technology and<br>other value added | 24 training to be conducted                 | 12 trainings to be conducted                                | 12 trainings            | For funding            | 960,000.00    |  |
| Maintenance of<br>Seaweeds Tissue   | 1 unit                                      | 1 unit  | 0                       | For funding            |               |  |

| Culture<br>Laboratory   |                            |   |                            |   |                  |     |
|---|----------------------------|---|----------------------------|---|------------------|-----|
| Rice Subsidy<br>augment basic<br>food needs<br>(1 sack of rice per<br>family per month<br>for 4 months)   | 2,618,852 sacks<br>of rice | 0 | 2,618,852 sacks<br>of rice | Consultation<br>Dialogue to<br>concerned LGUs<br>Social<br>Preparation<br>Distribution of<br>Rice to<br>Beneficiaries | 4,190,163,200.00 | QRF |
| Cash For Work or<br>Cash For Training<br>(CFT)<br>Temporary<br>employment in<br>exchange of<br>community works<br>40 days per<br>person computed<br>@10 days per<br>person per month<br>for 4 month | 9,296,924,600              | 0 | 9,296,924,600              | Consultation<br>Dialogue to<br>concerned LGUs<br>Social<br>Preparation<br>Implementation of<br>pay-out                |                  | QRF |
| 7.5 HP Diesel<br>Powered Pumps<br>& Engine (for<br>Open source &<br>Ground Water)   | 1,500                      | 0 | 1,500                      | Procurement and<br>Delivery   | 225,000,000.00   |     |

| Solar Powered<br>Pumps & Engine<br>(for Open source<br>& Ground Water) | 0 | 51 | Procurement & Installation | 240,000,000.00 |  |
|--|---|----|----------------------------|----------------|--|
|  |   |    | TOTAL                      |                |  |

# **RESPONSE CLUSTER IMPLEMENTATION PLAN**

## **GOVERNANCE CLUSTER**

#### Lead: Department of Interior and Local Government (DILG)

#### Members:

- Department of Trade and Industry
- Department of Environment and Natural Resources
- Police Regional Office MIMAROPA
- Department of Agriculture
- Civil Service Commission

#### Scenario:

El Nino struck MIMAROPA Region that cause severe drought in the Region. This made the Ocean temperature start to increase; and lakes and rivers dried up. These results to social unrest due labor lay-offs brought by low crop yield triggered by the reduction of water supply in farm land areas as well as decrease in livestock production due to limited water points on pasture lands. Temporary closure of establishments are rampant on commercial areas. Scarcity in food and water supply is felt everywhere.

There are looters who raid malls and other establishments to secure food supplies, violence and conflict for combating the relief goods from intended beneficiaries and a number of protests and riots can be seen on the streets.

#### **Objectives:**

- 1. Formulate mechanisms to enable the public to properly understand, rationalize and implement national government programs and projects based on area specific realities;
- Strengthen consultation mechanisms to ensure effective implementation of national programs and projects in the local government and grassroots level; and
- 3. Propose policies, programs and projects that would foster participatory governance and build the capacities of local government units for such purposes.

#### **Roles and Responsibilities:**

- 1. Ensure operational functionality and continuity of all public offices that provide essential services
- 2. Coordinate the need for funding support for continuity of public services
- 3. Establish network with non-government stakeholders to ensure continuity of public services
- 4. Monitor activation of public service continuity plans of organizations that contribute to the delivery to essential public services

#### **CLUSTER MEMBERS:**

#### **Roles and Responsibilities:**

A. Department of Environment and Natural Resources (DENR)

#### **Pre - Disaster Phase**

- a. Issue order to all field offices (Provincial Environment and Natural Resources Offices (PENROs) and Community Environment and Natural Resources Offices (CENROs)) to be prepared for the incoming EL Nino in the Region.
- b. Identify all possible immediate areas to be affected particularly on coastal areas and forest areas
- c. Check all Small Water Impounding System (SWIS) Structures Tanks are operationalize during the event of El Nino.

#### **During - Disaster Phase**

- a. Activate all Forest Rangers personnel for the possible event of forest/grass fires
- b. Do all patrolling activity on the identified areas affected by the El Nino
- c. Ensure all SWIS Tanks are full of water and operationalize
- d. Patrol all rivers, streams and creeks, and observe the water level and the flow of water.

#### **Post - Disaster Phase**

- a. Assess the affected areas and measure the damaged
- b. Submit report to the Regional Office to be submitted to OCD.

## B. Department of Trade and Industry

#### **Pre - Disaster Phase**

- a. Participates in joint cluster meetings
- b. Conduct information dissemination to increase public awareness
- c. Regulate the price of the commodities and other products
- d. Coordinate with various stakeholders to come up with action plan
- e. Conduct training and workshop on the formulation of Business Continuity Plan for MSMEs

#### **During - Disaster Phase**

- a. Conduct price monitoring to basic goods
- b. Share monitoring and assessment result at the cluster level
- c. Protect the rights and interest of the consumers

#### **Post - Disaster Phase**

- a. Coordinate and collaborate with various stakeholders for possible research and development projects to uplift MSMEs.
- b. Assess and update existing industry roadmaps.
- c. Assess the impact of El Niño to different business activities of MSMEs
- d. Conduct PDNA in coordination with other cluster members.
- e. Activate Small Business Corporation to create a program solely for SMEs affected by El Niño.

#### C. Department of Interior and Local Government

#### **Pre - Disaster Phase**

a. \_\_\_\_\_ b. \_\_\_\_\_

#### **During - Disaster Phase**

a. \_\_\_\_\_ b. \_\_\_\_\_

| Post - Disaster Phase              |  |
|------------------------------------|--|
| a                                  |  |
| b                                  |  |
| ~                                  |  |
|                                    |  |
| D. Police Regional Office MIMAROPA |  |
|                                    |  |
|                                    |  |
| Pre - Disaster Phase               |  |
| a                                  |  |
| b                                  |  |
|                                    |  |
|                                    |  |
| During - Disaster Phase            |  |
| a                                  |  |
| b                                  |  |
|                                    |  |
|                                    |  |
| Post - Disaster Phase              |  |
| a                                  |  |
| b                                  |  |
|                                    |  |
|                                    |  |
| E. Department of Agriculture       |  |
| Pre - Disaster Phase               |  |
| a                                  |  |
| b                                  |  |
|                                    |  |
|                                    |  |
| During - Disaster Phase            |  |
| a                                  |  |
| b                                  |  |
|                                    |  |
|                                    |  |
| Post - Disaster Phase              |  |
| a                                  |  |
| b                                  |  |
|                                    |  |

F. Civil Service Commission

## **Pre - Disaster Phase**

a. \_\_\_\_\_ b. \_\_\_\_\_

# **During - Disaster Phase**

a. \_\_\_\_\_ b. \_\_\_\_\_

## **Post - Disaster Phase**

- a. \_\_\_\_\_
- b. \_\_\_\_\_

# **CP Form 6: Response Activities**

| <b>RESPONSE CLUSTER:</b> | GOVERNANCE   |                                 |
|--------------------------|--|---------------------------------|
| TIMEFRAME                | NEEDS AND RESPONSE ACTIVITIES  | RESPONSIBLE<br>AGENCIES/OFFICES |
| D + 1 month              | Issuance of Memo re Activation of CP for El Niño of LGUs   | DILG/LGU-EOC                    |
| D - 5 months             | Issuance of Memo to LGU re. Allocation of Funds for El Niño<br>Response  | DILG                            |
| D - 5 months             | Issuance of Policy on Water Conservation Measures  | DENR/NWRB                       |
| D - 6 months             | Membership Caravan (Mobile Registration) for Fisherfolks and Farmers   | DA/LGU/DSWD                     |
| D - + months             | Stable price of basic needs  | DTI                             |
| D-+ month                | Implementation of consumer protection programs to safeguard the rights and interest of consumers                     | DTI                             |
| D-2 months               | Launching of awareness campaign to business establishment to promote water conservation and other greening practices | DTI                             |
| D+ 1 month               | Issuance of Resolution on the Declaration of State of Calamity   | LGU/LDRRMC                      |
| D                        | Suspension of work in government offices and classes in public schools   | LGU/LDRRMC                      |

# **CP Form 7: Resource Inventory**

| <b>RESPONSE CLUSTER:</b> | GOVERNANCE                              |                     |  |  |  |  |
|--------------------------|---|---------------------|--|--|--|--|
| AGENCY/OFFICE            | RESOURCE QUANTITY REMARKS               |                     |  |  |  |  |
| DTI                      | Price monitoring                        | Weekly/Monthly      |  |  |  |  |
| DENR                     | Small Water Impounding System<br>(SWIS) | 60 Impounding Tanks | 58 SWIS Concrete Tanks; 2 SWIS impounding small concrete dam |  |  |  |

<DeSmall Water Impounding System (SWIS) Concrete Tanks 2,830 construction of additional SWIS storage tanks 9, 130,6112,500 60 2,770 Submit project proposals. Requisition of funds for the DENR/DA/DPWHscribe the results of the accomplished form.

# **CP Form 8: Resource Projection**

| RESPONSE<br>CLUSTER |      |      | GOVER                 | NANCE                                      |  |   |
|---------------------|------|------|-----------------------|--|--|---|
| RESOURCE            | NEED | HAVE | GAPS<br>(NEED – HAVE) | ACTIVITIES/<br>SOURCES TO<br>FILL THE GAPS | COST<br>ESTIMATES<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) | SOURCE OF<br>FUNDS<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) |
|                     |      |      |                       |  |  |   |
|                     |      |      |                       |  |  |   |
|                     |      |      |                       |  |  |   |
|                     |      |      |                       |  |  |   |
|                     |      |      |                       |  |  |   |
|                     |      |      |                       |  |  |   |
|                     |      |      |                       |  |  |   |
|                     |      |      |                       | TOTAL                                      |  |   |

# **RESPONSE CLUSTER IMPLEMENTATION PLAN**

## LAW AND ORDER CLUSTER

#### Lead: Police Regional Office MIMAROPA (PRO)

#### Members:

- Armed Forces of the Philippines (SOLCOM / WESCOM)
- Bureau of Fire Protection
- Bureau of Jail and Management Penology
- Philippine Coast Guard (Coast Guard District Southern Tagalog / Coast Guard District Palawan)
- CSOs / Volunteer Groups

#### Scenario:

Drought struck MIMAROPA Region that made the ocean temperature start to increase and lakes and rivers start to dry up. These cause social unrest due to labor lay-offs brought by low crop yield triggered by the reduction of water supply in farmland areas as well as decrease in livestock production due to limited water points and pasture and temporary closure of establishments. Scarcity in food supply is felt everywhere.

There are looters who raid malls and other establishments to secure food supplies, violence and conflict for combating the relief goods from intended beneficiaries and a number of protests and riots can be seen on the streets.

#### **Objective:**

- 1. To ensure the safety and security of the response teams deployed by the activated clusters.
- 2. To ensure timely, effective and efficient conduct of Law and Order operations;
- 3. To provide security to the response teams operating in the affected areas.
- 4. To provide traffic management to ensure efficient movement of people and commodities.
- 5. To ensure orderliness during relief distribution.

#### **CLUSTER MEMBERS:**

#### **Roles and Responsibilities:**

#### A. Armed Forces of the Philippines (SOLCOM / WESCOM)

#### Pre - Disaster Phase

- a. Participates in joint cluster meetings.
- b. Ensure sufficient number of manpower for possible deployment, availability of service vehicles, supplies and equipments needed for response activities.

#### **During - Disaster Phase**

- a. Organize and deploy self-sufficient and capable response teams to impose law and order.
- b. Provide resource augmentation, to include manpower and equipment, to other areas as needed.
- c. Coordinate with the other clusters for the resource needs of the Law and Order Cluster.
- d. Consolidate all the activities made by the cluster members into one cluster report.

# B. Bureau of Fire Protection

#### Pre - Disaster Phase

- a. Participates in joint cluster meetings.
- b. Ensure sufficient number of manpower for possible deployment, availability of service vehicles, supplies and equipments needed for response activities.

- a. Organize and deploy self-sufficient and capable response teams to impose law and order.
- b. Provide resource augmentation, to include manpower and equipment, to other areas as needed.
- c. Coordinate with the other clusters for the resource needs of the Law and Order Cluster.
- d. Consolidate all the activities made by the cluster members into one cluster report.

## C. Bureau of Jail Management and Penology

#### **Pre - Disaster Phase**

- a. Participates in joint cluster meetings.
- b. Ensure sufficient number of manpower for possible deployment, availability of service vehicles, supplies and equipments needed for response activities.

#### **During - Disaster Phase**

- a. Organize and deploy self-sufficient and capable response teams to impose law and order.
- b. Provide resource augmentation, to include manpower and equipment, to other areas as needed.
- c. Coordinate with the other clusters for the resource needs of the Law and Order Cluster.
- d. Consolidate all the activities made by the cluster members into one cluster report.

# D. Philippine Coast Guard (Coast Guard District Southern Tagalog / Coast Guard District Palawan)

#### **Pre - Disaster Phase**

- a. Participates in joint cluster meetings.
- b. Ensure sufficient number of manpower for possible deployment, availability of service vehicles, supplies and equipments needed for response activities.

- a. Organize and deploy self-sufficient and capable response teams to impose law and order.
- b. Provide resource augmentation, to include manpower and equipment, to other areas as needed.

- c. Coordinate with the other clusters for the resource needs of the Law and Order Cluster.
- d. Consolidate all the activities made by the cluster members into one cluster report.

# E. CSOs / Volunteer Groups

#### Pre - Disaster Phase

- a. Participates in joint cluster meetings.
- b. Ensure sufficient number of manpower for possible deployment, availability of service vehicles, supplies and equipments needed for response activities.

- a. Organize and deploy self-sufficient and capable response teams to impose law and order.
- b. Provide resource augmentation, to include manpower and equipment, to other areas as needed.
- c. Coordinate with the other clusters for the resource needs of the Law and Order Cluster.
- d. Consolidate all the activities made by the cluster members into one cluster report.



# **CP** Form 6: Response Activities

| <b>RESPONSE CLUSTER:</b> | LAW AND ORDER                 |                                 |  |  |  |
|--------------------------|-------------------------------|---------------------------------|--|--|--|
| TIMEFRAME                | NEEDS AND RESPONSE ACTIVITIES | RESPONSIBLE<br>AGENCIES/OFFICES |  |  |  |
| D                        | Megaphones                    | PRO                             |  |  |  |
| D                        | Caution Tapes                 | PRO                             |  |  |  |
| D                        | Traffic Cones                 | PRO                             |  |  |  |
| D                        | Additional Manpower           | AFP, BFP, BJMP                  |  |  |  |
| D                        | Plastic Road barriers         | PRO                             |  |  |  |
| D                        | Handheld radios               | PRO                             |  |  |  |
| D                        | Patrol Vehicles               | PRO, AFP, BJMP                  |  |  |  |
| D                        | Flashlight                    | PRO, AFP, BJMP                  |  |  |  |



# **CP** Form 7: Resource Inventory

| <b>RESPONSE CLUSTER:</b> |                       | LAW AND ORDER |                        |
|--------------------------|-----------------------|---------------|------------------------|
| AGENCY/OFFICE            | RESOURCE              | QUANTITY      | REMARKS                |
| RDRRMC                   | Megaphones            | 42            |                        |
| PPC                      | Megaphones            | 9             |                        |
| RDRRMC                   | Caution Tapes         | 9             |                        |
| RDRRMC                   | Traffic Cones         | 20            |                        |
| RDRRMC                   | Additional Manpower   | 0             |                        |
| RDRRMC                   | Plastic Road barriers | 0             |                        |
| RDRRMC                   | Handheld radios       | 47            |                        |
| RDRRMC                   | Patrol Vehicles       | 0             |                        |
| RDRRMC                   | Flashlight            | 15            |                        |
| Marinduque MPPO          | Patrol Vehicles       | 3             | Camp Maximo Abad       |
| Marinduque MPPO          | Flashlight            | 15            | Serviceable            |
| Marinduque PNP Maritime  | Rubber Boat           | 1             | Stationed at Balanacan |
| Boac Marinduque MPS      | Patrol/Mobile Car     | 3             | Serviceable            |
| Boac Marinduque MPS      | Motorcycle            | 2             | Serviceable            |
| Boac Marinduque MPS      | Handcuffs             | 37            | Serviceable            |
| Boac Marinduque MPS      | Firearms              | 37            | Serviceable            |
| Boac Marinduque MPS      | Bullet Vest           | 7             | Serviceable            |
| Boac Marinduque MPS      | Handheld Radio        | 7             | Serviceable            |
| Gasan Marinduque MPS     | Patrol Vehicle        | 1             | Serviceable            |
| Gasan Marinduque MPS     | Motorcycle            | 2             | Serviceable            |
| Gasan Marinduque MPS     | Spine board           | 1             | Serviceable            |
| Gasan Marinduque MPS     | First Aid Kit         | 1             | Serviceable            |
| Gasan Marinduque MPS     | Handheld Radio        | 10            | Serviceable            |
| Gasan MDRRMO             | Flashlight            | 5             | Serviceable            |
| Gasan MDRRMO             | Megaphone             | 3             | Serviceable            |

| Barangay Poblacion, Torrjos | Barangay Force Multipliers  | 1  | Available   |
|-----------------------------|-----------------------------|----|-------------|
| Marinduque                  |                             |    |             |
| Torrijos Marinduque MPS     | Patrl / Mobile Car          | 1  | Serviceable |
| Torrijos Marinduque MPS     | Motorcycle                  | 10 | Serviceable |
| Torrijos Marinduque MPS     | VHF Radio                   | 5  | Serviceable |
| PDRRMO                      | Reflectorized Traffic Cones | 20 | PDRRMO      |

# **CP Form 8: Resource Projection**

| RESPONSE<br>CLUSTER             | LAW AND ORDER |      |                       |  |  |   |
|---------------------------------|---------------|------|-----------------------|--|--|---|
| RESOURCE                        | NEED          | HAVE | GAPS<br>(NEED – HAVE) | ACTIVITIES/<br>SOURCES TO<br>FILL THE GAPS | COST ESTIMATES<br>(FILL-UP ONLY WHEN<br>APPROPRIATE) | SOURCE OF<br>FUNDS<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) |
| Megaphones                      | 73            | 51   | 22                    | Procurement                                | 4000*22=88,000.00                                    |   |
| Caution Tape<br>(1,000m)        | 73 rolls      | 9    | 64                    | Procurement                                | 1500*64=96,000.00                                    |   |
| Rubberized<br>Traffic Cones 30" | 730           | 20   | 710                   | Procurement                                | 1000*710=710,000.00                                  |   |
| Manpower                        | 5.644         | 0    | 5,644                 | Procurement                                |  |   |
| Barricades                      | 730           | 0    | 730                   | Procurement                                | 2500*730=1,825,000.00                                |   |
| Handheld Radios                 | 365           | 47   | 318                   | Procurement                                | 3000*318=954,000.00                                  |   |
| Patrol Vehicle                  | 73            | 78   |                       |  |  |   |
| Flashlight                      | 365           | 15   | 350                   | Procurement                                | 500*350=175,000.00                                   |   |
| L                               |               |      |                       | TOTAL                                      | 3.848.000.00   |   |

# **RESPONSE CLUSTER IMPLEMENTATION PLAN**

## EDUCATION CLUSTER

#### Lead: Department of Education (DepEd)

#### Members:

- Commission on Higher Education (CHED)
- Technical Education and Skills Development Agency (TESDA)
- Department of Social Welfare and Development (DSWD)
- Department of Health (DOH) / Local Health Offices (LHOs)
- Bureau of Fire Protection (BFP)
- Provincial/Municipal/City Disaster Risk Reduction Councils (P/M/CDRRMCs)
- Non-Government Organizations (NGOs), Civil Society Organizations (CSOs), Private Organizations (POs)
- Department of Interior and Local Government (DILG)
- Department of Labor and Employment (DOLE)
- Department of Agriculture (DA)

#### Scenario:

Three (3) consecutive months of way below normal (>60% reduction from average); or five (5) consecutive months of below normal (21%-60% reduction from average) rainfall condition was experienced in MIMAROPA region, thus declaring the area under Drought.

Due to high temperature and drought, all Schools Division implemented Alternative Delivery Mode to continue the delivery of education despite of El Nino. There were reports of spread of communicable diseases, increase in dropout rate, increase in the number of severely wasted learners and number of child abuse cases.

#### **Objective:**

- 1. To ensure the safety and security of the learners and personnel
- 2. To ensure continuous delivery of education
- 3. To facilitate and assist in the return of learners and personnel to schools for face-toface learning modality.
- 4. To provide Mental Health and Psychosocial Services for learners and school personnel.

#### **CLUSTER MEMBERS:**

#### **Roles and Responsibilities:**

#### A. Department of Education (DepEd)

#### **Pre - Disaster Phase**

- a. Issue initial alerts and warnings as projected by relevant agencies (DOST, PAGASA, NDRRMC) to Field Offices and Education Cluster Members.
- b. Prepare baseline reports of projected affected areas (e.g. enrolment, classrooms, assets, and personnel)
- c. Reinforce alerts issued to DepEd field offices and education cluster members as may be appropriate upon advice made by NDRRMC.
- d. Enforce the strict implementation of school safety and preparedness protocols.
- e. Project the possible impact of the impending threat to the following: safety of learners and DepEd personnel, and disruption of educational services.
- f. Adhere to the policies on suspension of classes based on EO 66 (s. 2012) and DO 37 s. 2022. If learners and DepEd personnel are already in school upon suspension, DepEd should consider their safety before allowing them to leave the school premises.
- g. Prepare possible activation of EOCs.
- h. Convene the Education Cluster for response planning and prepositioning.

- a. Activate DepEd EOC at concerned levels.
- b. Convene the Education Cluster
- c. Closely coordinate with relevant government agencies (NDRRMC, OCD, PAGASA, DOST, DSWD, DOH, among others)
- d. Disseminate report on El Nino to the Education Cluster and DepEd field offices.
- e. Issuance of memorandum on Alternative Delivery Mode.
- f. Gather data on impact to education and generate reports, such as situation reports and advisories.
- g. Submit reports to DepEd Management for clearance.

- h. Disseminate situation reports to NDRRMC, Inter-Cluster, Education Cluster, and Field Offices affected.
- i. Monitor possible escalation of situation that may aggravate impact on learners and personnel.
- j. Prepare for the deployment/provision of resources (i.e. personnel, learning materials, psychosocial services)
- k. Monitor the status of implementation of Alternative Delivery Mode of learning of schools

# Post - Disaster Phase

- a. Conduct Post-Disaster Needs Assessment (PDNA) in coordination with other cluster members.
- b. Issuance of memorandum on the resumption of face-to-face classes.
- c. Mobilize appropriate educational interventions such as, but not limited to, the following:
  - i. Psycho-social support and services
  - ii. Teaching and learning materials
  - iii. Emergency feeding programs
- d. Mobilize and facilitate appropriate personnel assistance.
- e. Conduct Education Cluster meetings.
- f. Initiate the issuance of appeal for international assistance, if necessary.

# B. Commission on Higher Education (CHED)

# Pre - Disaster Phase

a. \_\_\_\_\_ b. \_\_\_\_\_

# During - Disaster Phase

- а. \_\_\_\_\_
- b. \_\_\_\_\_

# Post - Disaster Phase

- а.\_\_\_\_\_
- b. \_\_\_\_\_

C. Technical Education and Skills Development Agency (TESDA)

## **Pre - Disaster Phase**

c. \_\_\_\_\_ d. \_\_\_\_\_

## During - Disaster Phase

- C. \_\_\_\_\_
- d. \_\_\_\_\_

## **Post - Disaster Phase**

- C. \_\_\_\_\_
- d. \_\_\_\_\_

# D. Department of Agriculture (DA)

#### **Pre - Disaster Phase**

- a. Provide seeds for Gulayan sa Paaralan.
- b. Provision of technical assistance to schools in gulayan sa paaralan

# E. Department of Health

#### **Pre - Disaster Phase**

a. Develop and disseminate IEC on health effects of El Nino.

- a. Support and make available services for trauma detection and intervention for school children and staff
- b. Provision of medicine and treatment of communicable diseases in schools.
- c. Provision of mosquito treated nets and misting activities to schools.

# F. Save the Children and UNICEF

#### **Pre - Disaster Phase**

- a. Assist the Lead Agency in communicating alerts and warnings to DepEd field offices and schools
- b. Pre-position resources for the projected impact to schools
- c. Participate in Education Cluster meetings.

#### **During - Disaster Phase**

- a. Participate in Education Cluster meetings.
- b. Share monitoring and assessment result at the cluster level.

# G. Local and International Non-Government Organizations (I/INGOs) and Civil Society Organizations (CSOs)

#### **Pre - Disaster Phase**

- a. Assist in the dissemination of warnings and alerts projected by the relevant agencies (DOST, PAGASA, NDRRMC)
- b. Assist schools in implementing safety and preparedness protocols
- c. Monitor the enforcement of class suspension.
- d. Pre-positioning of resources for the projected impact to schools.
- e. Participate in Education Cluster meetings, national and/or local
- f. Assist local DepEd offices and schools in coordinating with LGUs

- a. Support the operations of Field EOC.
- b. Assist in the monitoring of needs.
- c. Share monitoring results to the Lead Agency.
- d. Participate in Education Cluster meetings, national and/or local.

#### H. Private partners (Individuals and Corporations)

#### Pre - Disaster Phase

- a. Assist in the dissemination of warnings and alerts projected by the relevant agencies (DOST, PAGASA, NDRRMC).
- b. Participate in Education Cluster meetings, national and/or local.

#### **During - Disaster Phase**

- a. Coordinate with Lead Agency for the projected impact to schools.
- b. Support the communication facilities for the monitoring of affected schools.
- c. Participate in Education Cluster meetings, national and/or local.

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

## **During - Disaster Phase**

a. Coordinate with DepEd Child Protection Specialists on the possible intervention for the victims of child abuse cases.

# J. Bureau of Fire Protection (BFP)

#### **During - Disaster Phase**

a. Ration water to schools.

# K. Department of Labor and Employment (DOLE)

# During - Disaster Phase

a. Provision of Learning Support Aid to schools for the reproduction, distribution, and retrieval of self-learning modules.

## L. Department of Interior and Local Government

#### **During - Disaster Phase**

a. Issuance of policy, guideline and protocols to LGU on giving support to schools at all levels.

# M. Provincial/Municipal/City Disaster Risk Reduction Councils (P/M/CDRRMCs)

- a. Provide logistical assistance to transport education supplies and services
- b. Ration water to schools.

# **CP** Form 6: Response Activities

| <b>RESPONSE CLUSTER:</b> | EDUCATION  |  |  |  |  |
|--------------------------|--|--|--|--|--|
| TIMEFRAME                | NEEDS AND RESPONSE ACTIVITIES  | RESPONSIBLE<br>AGENCIES/OFFICES              |  |  |  |
| D – 3 months             | Meeting of Education Cluster   | DepEd, CHED, TESDA                           |  |  |  |
| D – 2 months             | Provision of 5,000 Seeds Sets and Technical Assistance for Gulayan sa Paaralan | DA   |  |  |  |
| D – 2 months             | Provision of 1,000 rolls treated mosquito nets                                 | DOH, LHO                                     |  |  |  |
| D – 2 months             | Dissemination of IEC materials on El Nino                                      | DepEd, DOH, P/M/CDRRMCs                      |  |  |  |
| D + 1 day                | Issuance of memorandum for Alternative Delivery Mode                           | DepEd  |  |  |  |
| D + 1 day                | Reproduction and Delivery of 900,000 Self- Learning Modules Sets               | DepEd, DOLE, P/M/CDRRMCs,<br>NGOs, CSOs, POs |  |  |  |
| D + 5 days               | Provision of intervention for victims of child abuse                           | DSWD, P/M/CSWDOs                             |  |  |  |
| D + 3 months             | Conduct of Emergency Feeding Activity for 100,000 learners                     | DSWD   |  |  |  |
| D + 3 months             | Issuance of memorandum for the resumption of face-to-face learning modality    | DepEd  |  |  |  |

# **CP Form 7: Resource Inventory**

| RESPONSE CLUSTER: | EDUCATION                   |          |                                |  |  |  |
|-------------------|-----------------------------|----------|--------------------------------|--|--|--|
| AGENCY/OFFICE     | RESOURCE                    | QUANTITY | REMARKS                        |  |  |  |
| DepEd Schools     | Self-Learning Modules       | 848,823  | All public schools of MIMAROPA |  |  |  |
| DepEd             | Child Protection Specialist | 8        | RO and 7 SDOs                  |  |  |  |
| DSWD              | Child Protection Workers    | 78       | LSDWDOs                        |  |  |  |

# **CP Form 8: Resource Projection**

| CLUSTER                                    | EDUCATION |         |                       |  |  |   |
|--|-----------|---------|-----------------------|--|--|---|
| RESOURCE                                   | NEED      | HAVE    | GAPS<br>(NEED – HAVE) | ACTIVITIES/<br>SOURCES TO FILL<br>THE GAPS | COST ESTIMATES<br>(FILL-UP ONLY WHEN<br>APPROPRIATE) | SOURCE OF<br>FUNDS<br>(FILL-UP ONLY<br>WHEN<br>APPROPRIATE) |
| Self-Learning<br>Modules                   | 900,000   | 848,823 | 51,177                | Procurement                                | 5,117,700.00   | DepEd CO  |
| Treated<br>Mosquito Nets                   | 1,000     | 0       | 1,000                 | Procurement                                | 114,545,800.00                                       | DOH<br>MIMAROPA   |
| Child Protection<br>Specialist             | 8         | 8       | 0                     |  |  |   |
| Child Protection<br>Workers                | 78        | 78      | 0                     |  |  |   |
| Emergency<br>Feeding Activity              | 100,000   | 0       | 100,000               | Procurement                                | 15,000,000.00  | DSWD  |
| Seed Sets for<br>Gulayan sa<br>Paaralan    | 5,000     | 0       | 5,000                 | Procurement                                | 1,000,000.00   | DA  |
| IEC Materials for<br>Effects of El<br>Niño | 3,000     | 0       | 3,000                 | Printing/Procurement                       | 300,000.00   | DOH<br>MIMAROPA   |
|  |           |         |                       | TOTAL                                      | 32,867,700.00  |   |

# CP Form 9: Resource Gap Summary

| RESPONSE CLUSTER                                | TOTAL RESOURCE GAPS | TOTAL COST ESTIMATES |
|---|---------------------|----------------------|
| FOOD AND NON-FOOD                               |                     |                      |
| DIsaster Response                               |                     |                      |
| Family Food Packs                               | 2,177,343 packs     | 1,959,608,700.00     |
| Non-Food Items (Hygiene Kit)                    | 641,763 Kits        | 826,590,744.00       |
| Non-Food Items (Collapsible Water<br>Container) | 641,763 Container   | 224,502,950.00       |
| Wing Van  | (5) 15,000,000      | 15,000,000           |

| Emergency Cash Transfer  | 8,178,500,114                      | 8,178,500,114  |
|--|------------------------------------|----------------|
| Early Recovery   |                                    |                |
| Cash for Work/Cash For Training  | 9,296,924,600                      | 9,296,924,600  |
| 40 days per person computed @10 days<br>per person per month for 4 month |                                    |                |
| Rice Subsidy   | 2,618,852                          | 4,190,163,200  |
| 1 sack of rice per family per month for 4<br>months                      |                                    | 4,100,100,200  |
|  |                                    |                |
| HEALTH Drugs and Medicines 2,056,112                                     |                                    | 180,226,195    |
|  | 7 units of desalination system     |                |
| LOGISTICS  | 3 units of water filtration system | 187,050,900.00 |
|  | 59 pcs of fuel barrels             |                |

|                | 60 rolls of fuel hose       |              |
|----------------|-----------------------------|--------------|
|                | 104 rolls of rope           |              |
|                | 104 rolls of sakoline       |              |
|                | 2 units of 8.5kVA generator |              |
|                | 79 pcs of water bladders    |              |
|                | 60 pcs of trolleys          |              |
|                | 25 rolls of water hose      |              |
|                | 59 pcs of water drum        |              |
|                | 25 units of satellite phone |              |
|                | 7,500 pcs of jerry cans     |              |
|                | 540,000 pax meals           |              |
| EARLY RECOVERY | 1,500 Rice seeds            | 7,500.000.00 |
|                |                             |              |

| 200 kilos of Assorted Vegetable Seeds                         | 2,000,000.00  |
|---|---------------|
|   |               |
| 5000 pieces of drugs and biologics                            | 5,000,000.00  |
| 220 kilos soil conditioner                                    |               |
| 111,500 organic Fertilizer                                    | 880,000.00    |
| 2,546 (micro) livelihood start up kit                         | 1,695,000.00  |
| 570 (SMEs) Loan assistance                                    | 14,230,000.00 |
| 500 pcs/individual fisherfolk                                 | 57,000,000.00 |
| 2000 - 5,000pcs/registered fisherfolk cooperative/association | 07,000,000.00 |
|   | 1,760,000.00  |
| 2,000kgs per coastal municipality (22 municipality)           |               |
| 10 units of Fish Aggregating Device or<br>"PAYAO"             |               |

| <br>5 units of submersible fish cage  | 450,000.00     |
|---|----------------|
|   |                |
| 12 post harvest trainings on fish and   | 4,000,000.00   |
| seaweeds processing technology and other value added                          |                |
|   | 960,000.00     |
| 2,618,852 sacks of rice - Consultation  |                |
| Dialogue to concerned LGUs; Social<br>Preparation ; Implementation of pay-out |                |
| Preparation, implementation of pay-out  |                |
| CFT (40 days per person computed @10  | 4,190,163,200  |
| days per person per month for 4 month   |                |
| ) Consultation Dialogue to concerned LGUs;                                    |                |
| Social Preparation ; Implementation of pay-<br>out                            |                |
|   | 9,296,924,600  |
| 1,500 units of 7.5 HP Diesel Powered Pumps                                    |                |
| & Engine (for Open source & Ground Water)<br>Procurement and Delivery         |                |
|   |                |
| 51 Solar Powered Pumps & Engine (for Open                                     |                |
| source & ground Water) procurement and  |                |
| installation  | 225,000,000.00 |

| GOVERNANCE    |                               | 240,000,000.00 |
|---------------|-------------------------------|----------------|
|               | 22 Megaphones                 | 88,000.00      |
|               |                               | 96,000.00      |
|               | 64 Caution Tapes              | 710,000.00     |
| LAW AND ORDER | 710 Traffic Cones             | 1,825,000.00   |
|               | 730 Barricades                | 1,023,000.00   |
|               | 318 Handheld Radios           | 954,000.00     |
|               | 350 Handheld Flashlights      | 175,000.00     |
| EDUCATION     | 51, 177 Self-Learning Modules | 32,867,700.00  |

|       | 1,00 Treated Mosquito Net            |  |
|-------|--------------------------------------|--|
|       | 100,000 Emergency Feeding Food Packs |  |
|       | 5,000 Seed Sets                      |  |
|       | 3,000 IEC Materials                  |  |
| TOTAL |                                      |  |

# A. Emergency Operations Center

# CP Form 10: Emergency Operations Center

| LOCATION                     | RDRRMC-EOC, Provincial Engineer's Office (PEO) Compound, Kumintang<br>Ilaya, Batangas City |   |                              |                         |  |
|------------------------------|--|---|------------------------------|-------------------------|--|
|                              |  | CONTACT I                                       | NFORMATION                   |                         |  |
| Primary                      |  |   |                              | Alternate               |  |
| Landline: (043               | 3) 723-4248  |   | Satellite Phone:             |                         |  |
| Mobile: 0917-533-0400        |  |   | Radio Frequency: 7.490.00mhz |                         |  |
| 0908-8                       | 820-5177   |   |                              |                         |  |
|                              |  |   | Others:                      |                         |  |
| Email Address<br>ocd4mimarop |  | om  |                              |                         |  |
| mimaropa@ocd.gov.ph          |  |   |                              |                         |  |
| Social Media:                |  |   |                              |                         |  |
| Civil Defense                | - MIMAROP  | A (FB Page)                                     |                              |                         |  |
| Othere                       |  |   |                              |                         |  |
| Others.                      | Others:  |   | GEMENT TEAM                  |                         |  |
| POSIT                        |  | NAMES AND AG                                    |                              | CONTACT INFORMATION     |  |
| (CUSTOMIZE AS A              |  | ORGANIZATION                                    |                              | (PRIMARY AND ALTERNATE) |  |
|                              |  | (PRIMARY AND                                    | ALTERNATE)                   |                         |  |
| EOC Manager                  |  | MR. MARC REMBRANDT P.<br>VICTORE / OCD MIMAROPA |                              | 09178658083             |  |
|                              |  | MR. ELVIS CRUZ / OCD<br>MIMAROPA                |                              | 09275001038             |  |
| Operations Ma                | anager   | MR. RICHARD T. CARANDANG /<br>OCD MIMAROPA      |                              | 09618266384             |  |
| Liaison                      |  | MR. EFRIL MARANAN / OCD<br>MIMAROPA             |                              | 09202694043             |  |
| Logistics Coo                | rdinator   | MR. JERVIS LLOYD ATILANO /<br>OCD MIMAROPA      |                              | 09094234432             |  |

| Cluster Coordinator                 | MS. JOAN BADILLO / OCD<br>MIMAROPA                | 09364991591 |
|-------------------------------------|---|-------------|
| Planning Manager                    | MS. MARIA AIZA S. SIASON /<br>OCD MIMAROPA        | 09178420318 |
| Report Developer                    | MS. MARY AN ACEVEDA / OCD<br>MIMAROPA             | 09464084798 |
| Report Developer                    | MS. GEORGINA OPINION / OCD<br>MIMAROPA            | 09053394327 |
| Report Coordinator                  | MS. JONALYN ESCARTIN / OCD<br>MIMAROPA            | 09276318441 |
| Documenter                          | MS. ROSELLE ILAGAN / OCD<br>MIMAROPA              | 09096265629 |
| Logistics Manager                   | MS. ALMAROSE S. TABLIAGO /<br>OCD MIMAROPA        | 09063244657 |
| Communication /<br>Network Manager  | MR. JEFRIE RODRIGUEZ / OCD<br>MIMAROPA            | 09959753095 |
| Finance /<br>Administration Manager | MS. MELLY JOY F.<br>FAJILAGMAGO / OCD<br>MIMAROPA | 09173186597 |
| Administrative<br>Assistant         | MS. MINERVA ALCARAZ / OCD<br>MIMAROPA             | 09260367911 |
|                                     |   | 1           |

# **B. Incident Command System**

# CP Form 11: Incident Command System (ORIENTAL MINDORO)

|   | ICS FACILITIES   |  |
|---|--|--|
| FACILITIES<br>(CUSTOMIZE AS APPROPRIATE)      | LOCATIONS  |  |
| Incident Command Post                         | New PDRRMO Building, Brgy. Camilmil, Calapan City, Oriental<br>Mindoro   |  |
| Staging Area                                  | Bulwagan ng Mamamayan, Prov<br>Camilmil, Calapan City, Oriental          | •••••  |
| Base  | Provincial Motorpool, Brgy. Sta.<br>Mindoro                              | Isabel, Calapan City, Oriental                 |
| Camp  | New PDRRMO Building, Brgy. Camilmil, Calapan City, Oriental<br>Mindoro   |  |
| Helispot                                      | Oriental Mindoro National High School, Calapan City, Oriental<br>Mindoro |  |
| Helibase                                      | Calapan Airport, Brgy. Suqui, Calapan City, Oriental Mindoro             |  |
|   | INCIDENT MANAGEMENT TEAN   | 1  |
| <b>POSITION</b><br>(CUSTOMIZE AS APPROPRIATE) | NAMES AND AGENCY/<br>OFFICE/ ORGANIZATION<br>(PRIMARY AND ALTERNATE)     | CONTACT INFORMATION<br>(PRIMARY AND ALTERNATE) |
| Incident Commander                            | Vinscent B. Gahol (PDRRMO)   | 0977 803 1764                                  |
| Public Information Officer                    | Sarrah Lee S Basco (PDRRMO)  | 0919 093 9928                                  |
|   | Leonard C Dipasupil (DepEd<br>Calapan City)                              | 0917 863 6032                                  |
| Liaison Officer                               | Ranzel Dave C Catibog<br>(PDRRMO)  | 0910 879 0585                                  |
|   | Lizelda Reyes (BFP Mansalay)   | 0917 863 6032                                  |
| Safety Officer                                | Aivan Jay H Bejasa (PDRRMO)  | 0930 988 8465                                  |
|   | Jefferson Pasajol (CHSD)   |  |
| <b>Operations Section Chief</b>               | Ram Joseph D. Temeña<br>(PDRRMO)   | 0977 804 8925                                  |

|                             | Dennis T. Escosora (CDRRMD)       | 0917 105 4911 |
|-----------------------------|-----------------------------------|---------------|
| Planning Section Chief      | Mannylyn A. Guevarra<br>(PDRRMO)  | 0917 115 8744 |
|                             | Angelica F. De Leon<br>(CDRRMD)   |               |
| Logistics Section Chief     | Ever P. Lozada (PDRRMO)           | 0936 064 2611 |
| Finance/Admin Section Chief | Ivy Kristine A. Basco<br>(PDRRMO) | 0919 008 3779 |

CP Form 11: Incident Command System (MARINDUQUE)

| ICS FACILITIES                                |   |  |
|---|---|--|
| FACILITIES<br>(CUSTOMIZE AS APPROPRIATE)      | LOCATIONS   |  |
| Incident Command Post                         | Marinduque Disaster Risk Reduction and Management<br>Evacuation and Training Center, Capitol Compound, Boac |  |
| Staging Area                                  | Marinduque Disaster Risk Reduction and Management<br>Evacuation and Training Center, Capitol Compound, Boac |  |
| Base  | Marinduque Disaster Risk Reduction and Management<br>Evacuation and Training Center,Capitol Compound, Boac  |  |
| Camp  | Regional Evacuation Center, Capitol Compound, Boac  |  |
| Helispot                                      | Marinduque Sports Arena, Boac, Marinduque   |  |
| Helibase                                      | Marinduque Airport, Gasan, Marinduque   |  |
| INCIDENT MANAGEMENT TEAM                      |   |  |
| <b>POSITION</b><br>(CUSTOMIZE AS APPROPRIATE) | NAMES AND AGENCY/<br>OFFICE/ ORGANIZATION<br>(PRIMARY AND ALTERNATE)  | CONTACT INFORMATION<br>(PRIMARY AND ALTERNATE) |
| Incident Commander                            | Dante De Luna/ PG – ENRO  | 09277408858                                    |
| Public Information Officer                    | Ma. Antonette Malvar – PGO  | 09615052775                                    |

| Liaison Officer             | Aireen R. Vitto – PDRRMO                | 09508307638 |
|-----------------------------|---|-------------|
|                             | Renalyn Mesina - PDRRMO                 | 09107709315 |
| Safety Officer              | Ryan Alvin Mogol – PDRRMO               | 09384196831 |
| Operations Section Chief    | Jay M. Montiano - PDRRMO                | 09687191553 |
|                             | Fernan Malapote – PAGO                  |             |
| Planning Section Chief      | Arlyn S. Jarabe / PG - ENRO             |             |
|                             | Delbert Madrigal – PDOHO                |             |
| Logistics Section Chief     | Bryan M. Monsanto                       | 09304331771 |
|                             | Daniel Paolo Isaac – PDRRMO             | 09055581932 |
| Finance/Admin Section Chief | Ian Sotto – Provincial Budget<br>Office |             |
|                             | Quenzy M. Sales - PDRRMO                | 09457060503 |

CP Form 11: Incident Command System (PALAWAN)

|   | ICS FACILITIES   |  |
|---|--|--|
| FACILITIES<br>(CUSTOMIZE AS APPROPRIATE)      | LOCATIONS  |  |
| Incident Command Post                         | PEPO Compound, Bgy. Irawan,  | Puerto Princesa City, Palawan                  |
| Staging Area                                  | S-1 (Southern Palawan)<br>S-2 (Northern Palawan)                     |  |
| Base  |  |  |
| Camp  |  |  |
| Helispot                                      |  |  |
| Helibase                                      | TOG7, WESCOM   |  |
|   | INCIDENT MANAGEMENT TEAI   | Μ  |
| <b>POSITION</b><br>(CUSTOMIZE AS APPROPRIATE) | NAMES AND AGENCY/<br>OFFICE/ ORGANIZATION<br>(PRIMARY AND ALTERNATE) | CONTACT INFORMATION<br>(PRIMARY AND ALTERNATE) |
| Incident Commander                            | Jeremias Y. Alili  | 0917-775-6640                                  |
| Public Information Officer                    |  |  |
| Liaison Officer                               | Victor P. Yayen  | 0916-222-6266                                  |
| Safety Officer                                | Jimmy V. Ybas  | 0917-938-4972                                  |
| <b>Operations Section Chief</b>               | Sharton Rainier C. Gallardo  | 0917-301-8875                                  |
| Planning Section Chief                        | Maria Alyssa G. Abonales   | 0908-211-8236                                  |
| Logistics Section Chief                       | Mark Gil A. Supapo   | 0906-448-8214                                  |

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| Finance/Admin Section Chief | Michael Carpio | 0917-751-0956 |  |
|-----------------------------|----------------|---------------|--|

# CP Form 11: Incident Command System (OCCIDENTAL MINDORO)

|   | ICS FACILITIES   |  |
|---|--|--|
| FACILITIES<br>(CUSTOMIZE AS APPROPRIATE)      | LOCATIONS  |  |
| Incident Command Post                         | Mamburao, Sablayan, San Jose,  | Lubang   |
| Staging Area                                  | Mamburao (4), Sablayan (3), San                                      | n Jose (4), Lubang (2)                         |
| Base  | Mamburao, Sablayan, San Jose,  | Lubang   |
| Camp  | Mamburao, Sablayan, San Jose,  | Lubang   |
| Helispot                                      | Mamburao (4), Sablayan (3), San                                      | i Jose (4), Lubang (2)                         |
| Helibase                                      | Mamburao (4), Sablayan (3), San                                      | i Jose (4), Lubang (2)                         |
|   | INCIDENT MANAGEMENT TEAN   | 1  |
| <b>POSITION</b><br>(CUSTOMIZE AS APPROPRIATE) | NAMES AND AGENCY/<br>OFFICE/ ORGANIZATION<br>(PRIMARY AND ALTERNATE) | CONTACT INFORMATION<br>(PRIMARY AND ALTERNATE) |
| Incident Commander                            | Engr. Alrizza C. Zubiri (OPA)  |  |
| Public Information Officer                    | PIO  |  |
|   | Alvin Panaligan (KABALIKAT<br>CIVICOM)                               |  |
| Liaison Officer                               | OPA  |  |
| Safety Officer                                | PCOL Jun Dexter D. Danao<br>(PNP)                                    |  |
|   | CINSP Fernan M. Jambalos<br>(BFP)                                    |  |
|   | AFP/PCG  |  |
| <b>Operations Section Chief</b>               | Mariefel V. Cabile (PDRRMO)  |  |
|   | OPA  |  |

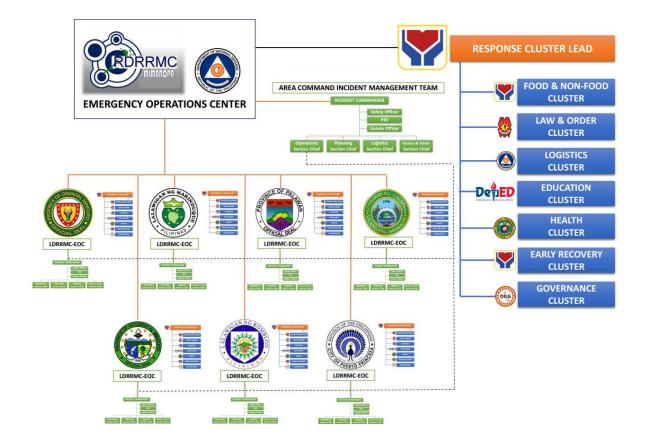
| Planning Section Chief      | Anthony A. Dantis (PPDO)            |  |
|-----------------------------|-------------------------------------|--|
| Logistics Section Chief     | ОРА                                 |  |
|                             | Fernando D. Ramos (GSO)             |  |
|                             | John Keneth P. Baronggo<br>(PDRRMO) |  |
| Finance/Admin Section Chief | ОРА                                 |  |
|                             | Crisostomo C. Paras, Jr.<br>(PACCO) |  |
|                             | Manuel T. Tria                      |  |

CP Form 11: Incident Command System (ROMBLON)

|                            | ICS FACILITIES  |                         |
|----------------------------|---|-------------------------|
| FACILITIES                 | LOCATIONS   |                         |
| (CUSTOMIZE AS APPROPRIATE) |   |                         |
| Incident Command Post      | PDRRMO – CAPITOL COMPOU<br>ROMBLON, ROMBLON                       | ND, BARANGAY CAPACLAN,  |
| Staging Area               | PDRRMO – CAPITOL COMPOUND, BARANGAY CAPACLAN,<br>ROMBLON, ROMBLON |                         |
| Base                       | PROVINCIAL GOVERNMENT M<br>COMPOUND, BARANGAY CAP                 |                         |
| Camp                       | GOVERNOR'S RESIDENCE, BRGY. CAPACLAN, ROMBLON,<br>ROMBLON         |                         |
| Helispot                   | 1 PER MUNICIPALITY  |                         |
| Helibase                   | TUGDAN AIRPORT, ALCANTAR  | RA, ROMBLON             |
|                            | INCIDENT MANAGEMENT TEAI  | М                       |
| POSITION                   | NAMES AND AGENCY/   | CONTACT INFORMATION     |
| (CUSTOMIZE AS APPROPRIATE) | OFFICE/ ORGANIZATION  | (PRIMARY AND ALTERNATE) |
|                            | (PRIMARY AND ALTERNATE)   |                         |
| Incident Commander         | COL ROSELLER M MUROS<br>(RET)                                     | +63 920 565 8383        |
| Public Information Officer | RONALD M. GERONIMO  | +63 930 428 6659        |
|                            | RONALDO SELGA   |                         |
| Liaison Officer            | BRYANT RIANO (ROMBLON)  | +63 908 699 8579        |
|                            | PERCIVAL FERRER (TABLAS)  | +63 908 903 4404        |
|                            | EINSTEIN FALCULAN<br>(SIBUYAN)                                    |                         |

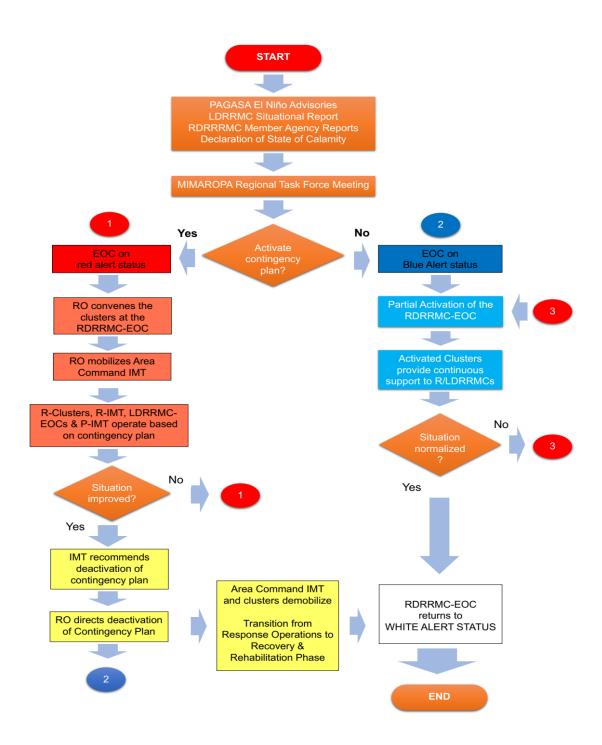
| Safety Officer              |                         |                  |
|-----------------------------|-------------------------|------------------|
|                             | PLTCOL- RAQUEL MARTINEZ | +63 916 686 8993 |
|                             |                         | +63 917 813 0447 |
|                             | FCINSP FRANZ DOMINIQUE  |                  |
|                             | BADONG                  |                  |
| Operations Section Chief    |                         |                  |
|                             | CHRISTIAN RAMILO        | +63 933 368 2392 |
| Planning Section Chief      |                         |                  |
|                             | CHRISTOPHER MARINO      |                  |
|                             | JEROME MAESTRE          | +63 999 686 4617 |
|                             |                         |                  |
| Logistics Section Chief     | ENGR. NOEL MORTEL       | +63 906 2106 859 |
|                             |                         |                  |
|                             | RUEL MERIDA             | +63 919 211 3266 |
| Finance/Admin Section Chief |                         |                  |
|                             | AMELIE MALLEN           | +63 920 500 9311 |
|                             | RANILO FRUELDA          | +63 939 359 3577 |
|                             | JOSEPHINE REYES         | +63 968 326 5882 |
|                             |                         | TUJ 900 320 3002 |

## C. Interoperability



# CHAPTER IV. ACTIVATION, DEACTIVATION AND NON - ACTIVATION

The activation of the contingency plan shall adhere to the flow chart shown below.



# **Non-Activation**

< Indicate if the CP will be maintained as a continuing plan or will be integrated in the overall DRRM plan when not used.>

## **WORKING GROUP**

### Purpose

The Working Group shall be in charge of the refinement, finalization, testing, evaluation, packaging, updating and improvement of the contingency plan under the supervision of the Chairperson. The group shall work closely with the planners of the municipality for the attainment of the CP objectives.

## Functions

- 1. Facilitate the refinement and finalization of the contingency plan to include testing, evaluation, packaging, updating and improvement;
- 2. Develop work plan for the completion and updating of the contingency plan;
- 3. Organize consultation meetings with the planners and relevant subject matter experts regarding the development of the contingency plan; and
- 4. Facilitate the presentation and endorsement of the contingency plan to the Chairperson, for comments and approval.

### **Composition:**