



# 2023-2025

## PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT PLAN



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## **EXISTING DISASTER RISK REDUCTION AND MANAGEMENT - CLIMATE CHANGE ADAPTATION POLICIES AND FRAMEWORK**

The implementation of disaster risk reduction and management plans, programs, policies and activities involve both the commitment of the population and the structures of government at all levels. Consequently, the government's role should be emphasized since it provides the enabling environment and the mandate to manage disasters and its risks. Local governments need to have the political commitment to achieve substantial reduction in disaster losses.

This requires active involvement of local legislative bodies in enacting policies that will strengthen disaster risk management in their localities, and conduct regular consultations among stakeholders at all levels. On policy reforms and advocacy, NGOs need to advocate budget allocation for relevant DRRM activities at the national and local levels and to find innovative measures to source funds for these activities.

In summary, the following policies/measures are required to sustain the DRRM efforts/initiatives by stakeholder in the province.

### **HYOGO FRAMEWORK FOR ACTION (HFA)**

Hyogo Framework For Action was the global blueprint for disaster risk reduction efforts between 2005 and 2015. The HFA was adopted in 2005 at the World Conference on Disaster Reduction, held in Kobe, Hyogo, Japan. Its goal was to substantially reduce disaster losses by 2015 – in lives, and in the social, economic, and environmental assets of communities and countries.

### **SENDAI FRAMEWORK FOR DISASTER RISK REDUCTION 2015-2030**

The Sendai Framework For Disaster Risk Reduction 2015-2030 is the present framework that will apply to the risk of small-scale and large-scale, frequent and infrequent, sudden and slow-onset disasters, caused by natural or man-made hazards as well as related environmental, technological and biological hazards and risks. It aims to guide the multi-hazard management of disaster risk in development at all levels as well as within and across all sectors.

### **NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT PLAN 2011-2028**

National Disaster Risk Reduction And Management Plan 2011-2028 sets down the expected outcomes, outputs, key activities, indicators, lead agencies, implementing partners and timelines under each of the four distinct yet mutually reinforcing thematic areas. The goals of each thematic area lead to the attainment of the country's overall DRRM vision.

### **REPUBLIC ACT NO. 1012**

Republic Act 10121, otherwise known as the "Philippine Disaster Risk Reduction and Management Act of 2010". RA No. 10121, is an act mandated to strengthen disaster management in the Philippines. It repealed PD no. 1566 and replaced NDCC with the National Disaster Risk Reduction and Management Council (NDRRMC) as the focal body.

Salient Provision: Section 11. The existing Local DCC shall henceforth be known as Local Disaster Risk Reduction and Management Council. Section 12.C.6. Formulate and implement a comprehensive and integrated Local Disaster Risk Reduction and Management Plan in accordance with the national and regional framework and policies.

#### **REPUBLIC ACT NO. 7160**

Republic Act No. 7160, otherwise known as the “Local Government Code of 1991” enables the Local Government Units (LGUs) to access 5% of the estimated revenue from regular sources for unforeseen expenditures such as the occurrence of calamities. However, access is only possible if the president declares the area in a state of calamity. To better utilize the funds, an act amending the concerned section, 324.D. of the local government code was put into law in 1996.

#### **REPUBLIC ACT NO. 8185**

Republic Act No. 8185 identified areas of expenditure such as relief, rehabilitation, reconstruction and other services with regards to calamities.

#### **REPUBLIC ACT NO. 8749**

Republic Act No. 8749, in accordance with the UN Framework Convention on Climate Change and other international agreements, Republic Act No. 8749, also known as the Philippine Clean Air Act, was put into legislation in 1999. The law aimed to monitor and set standards for greenhouse gas emissions known to increase global temperatures.

#### **REPUBLIC ACT NO. 9729**

Republic Act No. 9729, is an act mainstreaming climate change into government policy formulations, establishing the framework strategy and program on climate change, creating for this purpose the climate change commission, and for other purposes.

#### **REPUBLIC ACT NO. 10639**

Republic Act No. 10639, identified as the act mandating the telecommunications service providers to send free mobile alerts in the event of natural and man-made disasters and calamities.

#### **EXECUTIVE ORDER NO. 56, s. 2018**

Executive Order No. 56, S. 2018 institutionalized the emergency 911 hotline as the nationwide emergency answering point, replacing patrol 117, and for other purposes.

#### **PHILIPPINE AGENDA 21**

Philippine Agenda 21 committed to the United Nations Conference of Environment and Development (UNCED), the Philippines developed Philippine Agenda 21, an adaptation of the outcome of the 1992 conference. The agenda has 5 goals: poverty reduction, social equity, empowerment and good governance, peace and solidarity, and ecological integrity. The Philippine Council for Sustainable Development was formed to coordinate and monitor the fulfillment of the Commitment of the Philippines to the UNCED.

In addition, the following policies for preparedness and response to Novel Coronavirus (2019-nCoV) from Wuhan, China are as follows:

**REPUBLIC ACT NO. 11469**, otherwise known as the “Bayanihan to Heal as One Act” is an act declaring the existence of a national emergency arising from the coronavirus disease 2019 (COVID-19) situation and a national policy in connection therewith, and authorizing the president of the republic of the Philippines for a limited period and subject to restrictions, to exercise powers necessary and to properly carry out the declared national policy and for other purposes;

**REPUBLIC ACT 11494**, is an act providing for COVID-19 response and recovery interventions and providing mechanisms to accelerate the recovery and bolster the resiliency of the Philippine economy, providing funds therefore, and for other purposes; and

**PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT PLAN 2017-2022** was the provincial 'road map' indicating the vision and strategic objectives of La Union from 2017-2022 while pursuing the strategic goals of the Sendai framework for disaster risk reduction 2015-2030. This document was preceded by the Provincial Disaster Risk Reduction and Management Plan 2013-2018.



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## ACRONYMS AND ABBREVIATIONS

<b>BFP</b>	Bureau of Fire Protection
<b>CBDRRM</b>	Community-Based Disaster Risk Reduction and Management
<b>CBO</b>	Community-Based Organizations
<b>CCA</b>	Climate Change Adaptation
<b>CCCM</b>	Camp Coordination and Camp Management
<b>CDRRMC</b>	City Disaster Risk Reduction and Management Council
<b>CDRRMO</b>	City Disaster Risk Reduction and Management Office
<b>CLUP</b>	Comprehensive Land Use Plan
<b>CSO</b>	Civil Society Organizations
<b>DOH</b>	Department of Health
<b>DRR</b>	Disaster Risk Reduction
<b>DRRM</b>	Disaster Risk Reduction and Management
<b>EOC</b>	Emergency Operations Center
<b>EWS</b>	Early Warning System
<b>GIS</b>	Geographic Information System
<b>HFA</b>	Hyogo Framework for Action
<b>ICS</b>	Incident Command System
<b>IMT</b>	Incident Management Team
<b>LDC</b>	Local Development Council
<b>LDRRMF</b>	Local Disaster Risk Reduction and Management Fund
<b>LDRRMP</b>	Local Disaster Risk Reduction and Management Plan
<b>LGU</b>	Local Government Unit
<b>MDRRMC</b>	Municipal Disaster Risk Reduction and Management Council
<b>MDRRMO</b>	Municipal Disaster Risk Reduction and Management Office
<b>nCOV</b>	Novel CoronaVirus
<b>NDRRMC</b>	National Disaster Risk Reduction and Management Council
<b>NGA</b>	National Government Agency
<b>NGO</b>	Non-Government Organization
<b>OPG</b>	Office of the Provincial Governor Philippine Atmospheric, Geophysical and Astronomical Services Administration
<b>PAGASA</b>	
<b>PCTAC</b>	Provincial Core Team Against COVID-19
<b>PDC</b>	Provincial Development Council
<b>PDRRMC</b>	Provincial Disaster Risk Reduction and Management Council
<b>PDRRMO</b>	Provincial Disaster Risk Reduction and Management Office
<b>PGSO</b>	Provincial General Services Office

Philippine Institute of Volcanology and Seismology

**PHIVOLCS**

**PN**

Philippine Navy

**PNP**

Philippine National Police

**RDRMC**

Regional Disaster Risk Reduction and Management Council

**SP**

Sangguniang Panlalawigan

**UN**

United Nations

**WHO**

World Health Organization

## DEFINITION OF TERMS

For the purposes of this plan, the following shall refer to:

**Adaptation** – the adjustment in natural or human systems in response to actual or expected climatic stimuli or their effects, which moderates harm or exploits beneficial opportunities

**Capacity** – a combination of all strengths and resources available within a community, society or organization that can reduce the level of risk, or effects of a disaster. Capacity may include infrastructure and physical means, institutions, societal coping abilities, as well as human knowledge, skills and collective attributes such as social relationships, leadership and management. Capacity may also be described as capability.

**Civil Society Organizations** – non-state actors whose aims are neither to generate profit nor to seek governing power. CSOs unite people to advance shared goals and interests/they have a presence in public life, expressing the interests and values of their members or others, and are based on ethical, cultural, scientific, religious or philanthropic considerations. CSOs include non-government organizations (NGOs), professional associations, foundations, independent research institutes, community-based organizations (CBOs), faith-based organizations, people's organizations, social movements, and labor unions.

**Climate Change** – a change in climate that can be identified by changes in the mean and/or variability of its properties and that persists for an extended period typically decades or longer, whether due to natural variability or as a result of human activity.

**Community-based Disaster Risk Reduction and Management (CBDRM)** – a process of disaster risk reduction and management in which at risk communities are actively engaged in the identification, analysis, treatment, monitoring and evaluation of disaster risks in order to reduce their vulnerabilities and enhance their capacities, and where the people are at the heart of decision-making and implementation of disaster risk reduction and management activities.

**Complex Emergency** – a form of human-induced emergency in which the cause of the emergency as well as the assistance to the afflicted is complicated by intense level of political considerations

**Contingency Planning** – a management process that analyzes specific potential events or emerging situations that might threaten society or the environment and establishes arrangements in advance to enable timely, effective and appropriate responses to such events and situations.

**Disaster** – a serious disruption of the functioning of a community or a society involving widespread human, material, economic or environmental losses and impacts, which exceeds the ability of the affected community or society to cope using its own resources. Disasters are often described as a result of the combination of the exposure to a hazard; the conditions of vulnerability that are present; and insufficient capacity or measures to reduce or cope with the potential negative consequences, disaster impacts may include loss of life, injury disease and other negative effects on human physical, mental and social well being, together with damage to property, destruction of assets, loss of services, social and economic disruption and environmental degradation.

**Disaster Mitigation** – the lessening or limitation of the adverse impacts of hazards and related disasters. Mitigation measures encompass engineering techniques and hazard-resistant construction as well as improved environmental policies and public awareness.

**Disaster Preparedness** – The knowledge and capacities developed by governments, professional response and recovery organizations, communities and individuals to effectively anticipate, respond to, and recover from, the impacts of likely, imminent or current hazard events or conditions. Preparedness action is carried out within the context of disaster risk reduction and management and aims to build the capacities needed to efficiently manage all types of emergencies and achieve orderly transitions from response to sustained recovery. Preparedness is based on a sound analysis of disaster risk and good linkages with early warning systems, and includes such activities as contingency planning, stockpiling of equipment and supplies, the development of arrangement for coordination, evacuation and public information, and associated training and field exercises. These must be supported by formal institutional, legal and budgetary capacities.

**Disaster Prevention** – the outright avoidance of adverse impacts of hazards and related disasters. It expresses the concept and intention to completely avoid potential adverse impacts through action taken in advance such as construction of dams or embankments that eliminate flood risks, land-use regulations that do not permit any settlement in high-risk zones, and seismic engineering designs that ensure the survival and function of a critical building in any likely earthquake.

**Disaster Response** – the provision of emergency services and public assistance during or immediately after a disaster in order to save lives, reduce health impact, ensure public safety and meet the basic subsistence needs of the people affected. Disaster response is predominantly focused on immediate and short-term needs and is sometimes called disaster relief.

**Disaster Risk** – the potential disaster losses in lives, health status, livelihood assets and services, which could occur to a particular community or a society over some specified future time period.

**Disaster Risk Reduction** – the concept and practice of reducing disaster risks through systematic efforts to analyze and manage the causal factors of disasters, including through reduced exposures to hazards, lessened vulnerability of people and property, wise management of land and the environment, and improved preparedness for adverse events.

**Disaster Risk Reduction and Management** – The systematic process of using administrative directives, organizations, and operational skills and capacities to implement strategies, policies and improved coping capacities in order to lessen the adverse impacts of hazards and the possibility of disaster. prospective disaster risk reduction and management refers to risk reduction and management activities that address and seek to avoid the development of new or increased disaster risks, especially if risk reduction policies are not put in place.

**Disaster Risk Reduction and Management Information System** – a specialized database which contains, among others, information on disaster and their human material, economic and environmental impact, risk assessment and mapping and vulnerable groups.

**Early Warning System** – the set of capacities needed to generate and disseminate timely and meaningful warning information to enable individuals, communities and organizations threatened by a hazard to prepare and to act appropriately and in sufficient



time to reduce the possibility of harm or loss. A people-centered early warning system necessarily comprises four (4) key elements: knowledge of the risks; monitoring, analysis and forecasting of the hazards; communication or dissemination of alerts and warnings; and local capabilities to respond to the warnings received. The expression end-to-end warning system is also used to emphasize that warning systems need to span all steps from hazard detection to community response.

**Emergency** – unforeseen or sudden occurrence, especially danger, demanding immediate action.

**Emergency Management** – the organization and management of resources and responsibilities for addressing all aspects of emergencies, in particular preparedness, response and initial recovery steps.

**Exposure** – the degree to which the elements at risk are likely to experience hazard events of different magnitudes.

**Geographic Information System** – a database which contains, among others, geo-hazard assessments, information on climate change, and climate risk reduction and management.

**Hazard** – a dangerous phenomenon, substance, human activity or condition that may cause loss of life, injury or other health impacts, property damage, loss of livelihood and services, social and economic disruption, or environmental damage.

**Land-Use Planning** – the process undertaken by public authorities to identify, evaluate and decide on different options for the use of land, including consideration of long-term economic, social and environmental objectives and the implications for different communities and interest groups, and the subsequent formulation and promulgation of plans that describe the permitted or acceptable uses.

**Mitigation** – structural and non-structural measures undertaken to limit the adverse impact of natural hazards, environmental degradation, and technological hazards and to ensure the ability of at-risk communities to address vulnerabilities aimed at minimizing the impact of disasters. Such measures include, but are not limited to, hazard-resistant construction and engineering works, the formulation and implementation of plans, programs, projects and activities, awareness raising, knowledge management, policies on land-use and resource management, as well as the enforcement of comprehensive land-use planning, building and safety standards, and legislation.

**Post-Disaster Recovery** – the restoration and improvement where appropriate, of facilities, livelihood and living conditions of disaster-affected communities, including efforts to reduce disaster risk factors, in accordance with the principles of build back better.

**Preparedness** – pre-disaster actions and measures being undertaken within the context of disaster risk reduction and management and are based on sound risk analysis as well as pre-disaster activities to avert or minimize loss of life and property such as, but not limited to, community organizing, training, planning, equipping, stockpiling, hazard mapping, insuring of assets, and public information and education initiatives. This also includes the development/enhancement of an overall preparedness strategy, policy, institutional structure, warning and forecasting capabilities, and plans that define measures geared to help at-risk communities safeguard their lives and assets by being alert to hazards and taking appropriate action in the face of an imminent threat or an actual disaster.

**Private Sector** – the key actor in the realm of the economy where the central social concern and process are the mutually beneficial production and distribution of goods and

services to meet the physical needs of human beings. The private sector comprises private corporations, households and nonprofit institutions serving households.

**Public Sector Employees** – all persons in the civil service.

**Rehabilitation** – measures that ensure the ability of affected communities/areas to restore their normal level of functioning by rebuilding livelihood and damaged infrastructures and increasing the community's organizational capacity.

**Resilience** – the ability of a system, community or society exposed to hazards to resist, absorb, accommodate and recover from the effects of a hazard in a timely and efficient manner, including through the preservation and restoration of its essential basic structures and functions.

**Response** – any concerted effort by two (2) or more agencies, public or private, to provide assistance or intervention during or immediately after a disaster to meet the life preservation and basic subsistence needs of those people affected and in the restoration of essential public activities and facilities.

**Risk** – the combination of the probability of an event and its negative consequences.

**Risk Assessment** – a methodology to determine the nature and extent of risk by analyzing potential hazards and evaluating existing conditions of vulnerability that together could potentially harm exposed people, property, services, livelihood and the environment on which they depend. Risk assessments with associated risk mapping include: a review of the technical characteristics of hazards such as their location, intensity, frequency and probability; the analysis of exposure and vulnerability including the physical, social, health, economic and environmental dimensions; and the evaluation of the effectiveness of prevailing and alternative coping capacities in respect to likely risk scenarios.

**Risk Management** – The systematic approach and practice of managing uncertainty to minimize potential harm and loss. It comprises risk assessment and analysis, and the implementation of strategies and specific actions to control, reduce and transfer risks. It is widely practiced by organizations to minimize risk in investment decisions and to address operational risks such as those of business disruption, production failure, environmental damage, social impacts and damage from fire and natural hazards.

**Risk Transfer** – the process of formality or informally shifting the financial consequences of particular risks from one party to another whereby a household, community, enterprise or state authority will obtain resources from the other party after a disaster occurs, in exchange for ongoing or compensatory social or financial benefits provided to that other party.

**State of Calamity** – a condition involving mass casualty and/or major damages to property, disruption of means of livelihoods, roads and normal way of life of people in the affected areas as a result of the occurrence of natural or human-induced hazard.

**Sustainable Development** – development that meets the needs of the present without compromising the ability of future generations to meet their own needs. It contains within it two (2) key concepts: (1) the concept of needs, in particular, the essential needs of the world's poor to which overriding priority should be given; and (2) the idea of limitations imposed by the state of technology and social organizations on the environment's ability to meet present and future needs. It is the harmonious integration of a sound and viable economy, responsible governance, social cohesion and harmony, and ecological

integrity to ensure that human development now and through future generations is a life-enhancing process.

**Vulnerability** – the characteristics and circumstances of a community, system or asset that make it susceptible to the damaging effects of a hazard. Vulnerability may arise from various physical, social, economic, and environmental factors such as poor design and construction of buildings, inadequate protection of assets, lack of public information and awareness, limited official recognition of risks and preparedness measures, and disregard for wise environmental management.

**Vulnerable and Marginalized Groups** – those that face higher exposure to disaster risk and poverty including, but not limited to , women, children, elderly, differently-abled people, and ethnic minorities.

## EXECUTIVE SUMMARY

The Provincial Disaster Risk Reduction and Management Plan (PDRRMP) 2021-2025 is a road-map indicating the vision and strategic objectives of the province of La Union for the next five (5) years while pursuing the strategic goals of the Sendai Framework for Disaster Risk Reduction 2015-2030. This document also integrated the coronavirus disease 2019 (COVID-19) pandemic strategic actions that can be adapted according to specific situations and capacities.

The PDRRMP takes-off from the four (4) thematic areas of the National Disaster Risk Reduction and Management Plan 2011-2028 and is necessary to sustain the gains from positive effects and lessons learned from disaster risk reduction (DRR) initiatives by different stakeholders. This plan also provides guidance in preparing for a phased transition from widespread transmission to a steady state of low-level or no transmission. This plan also highlights the coordinated support that is required from the provincial community to meet the challenge brought about by COVID-19.

The PDRRMP contains four (4) priority programs and projects from 2022-2025 based on strategic actions gathered after several consultations with members of the PDRRMC and the Provincial Core Team Against COVID-19 (PCTAC). This document utilizes the multi-hazard approach in managing the impacts of natural and human-induced disasters including pandemics and especially the threat of climate change.

One guiding principle of the PDRRMP requires multi-stakeholder participation in mainstreaming DRR in the province of La Union. Consultations are part of an inclusive and ongoing process that needs to be continued. Another principle of the PDRRMO is that DRR is directly linked to poverty alleviation and sustainable development. In consonance with the expected outcome of the Sendai Framework for Disaster Risk Reduction. The PDRRMP envisions the reduction of disaster losses in lives, and in the social, economic and environmental assets of communities and the country. The PDRRMP is also consistent with parallel efforts to transform La Union the Heart of Agri-tourism by 2025.

**TIMELINES.** In general, the set of activities are given annual targets which shall contribute to meeting the commitments under the Sendai Framework for Disaster Reduction and the Global Strategy to Respond to Covid-19.

**FRAMEWORK.** To fast track the implementation of the PDRRMO, priority projects are identified. The purpose is to intensify disaster risk mitigation, preparedness and response in the province. The core activities are:

1. Develop Disaster Risk Reduction Management and Crisis Management Plan
2. Provide Timely and Effective Disaster and Crisis Response
3. Increase Adaptive Capacity for Disaster and Crisis
4. Facilitate Disaster and Crisis Recovery and Rehabilitation

**IMPLEMENTATION OF THE PDRRMP.** At the provincial level, implementation of the PDRRMP shall take place through the integration of DRRM into relevant provincial plans as well through the development and implementation of respective action plans of local government units for their respective activities as indicated in the PDRRMP.

As explicitly stated under Republic Act 10121, the PDRRMO has the overall responsibility of approving the PDRRMP and ensuring that it is consistent with the LDRRMF. It also has the main responsibility of coordination, integration, supervision and monitoring the development and enforcement by agencies and organizations of the various laws, plans, programs, guidelines, codes, or technical standards required by this act; managing and

mobilizing resources from DRRM, including the National DRRM Fund; monitoring and providing the necessary guidelines and procedures on the LDRRMF releases as well as the utilization, accounting and auditing thereof.

In addition, the PDRRMO has the main responsibility of ensuring the implementation and monitoring of the PDRRMP. Specifically, it is tasked to conduct periodic assessment and performance monitoring of member-agencies of the PDRRMC and the C/MDRRMCs. It is also responsible for ascertaining that the physical framework, social, economic and environmental plans of communities, cities, municipalities and provinces are consistent with the PDRRMP. The PDRRMO is also tasked to make sure that all DRR programs, projects and activities requiring national and international intervention shall be in accordance with duly established national policies and aligned with international agreements. At the local level, the PDRRMO needs to review and evaluate the local DRRM plans (LDRRMFs) to facilitate the integration of DRR measures into the local plans.

Agency leads and implementing partner organizations and/or groups are identified in the PDRRMP to ensure the effective implementation of the PDRRMP. Lead agencies and implementing partners shall work together to identify specific programs and projects and pin down specific budgets to effect better DRRM investment and synergy between government programs.

**RESOURCE MOBILIZATION.** For the Provincial Government of La Union, the following sources can be tapped to fund the various DRRM programs and projects:

1. Local Disaster Risk Reduction and Management Fund
2. General Fund

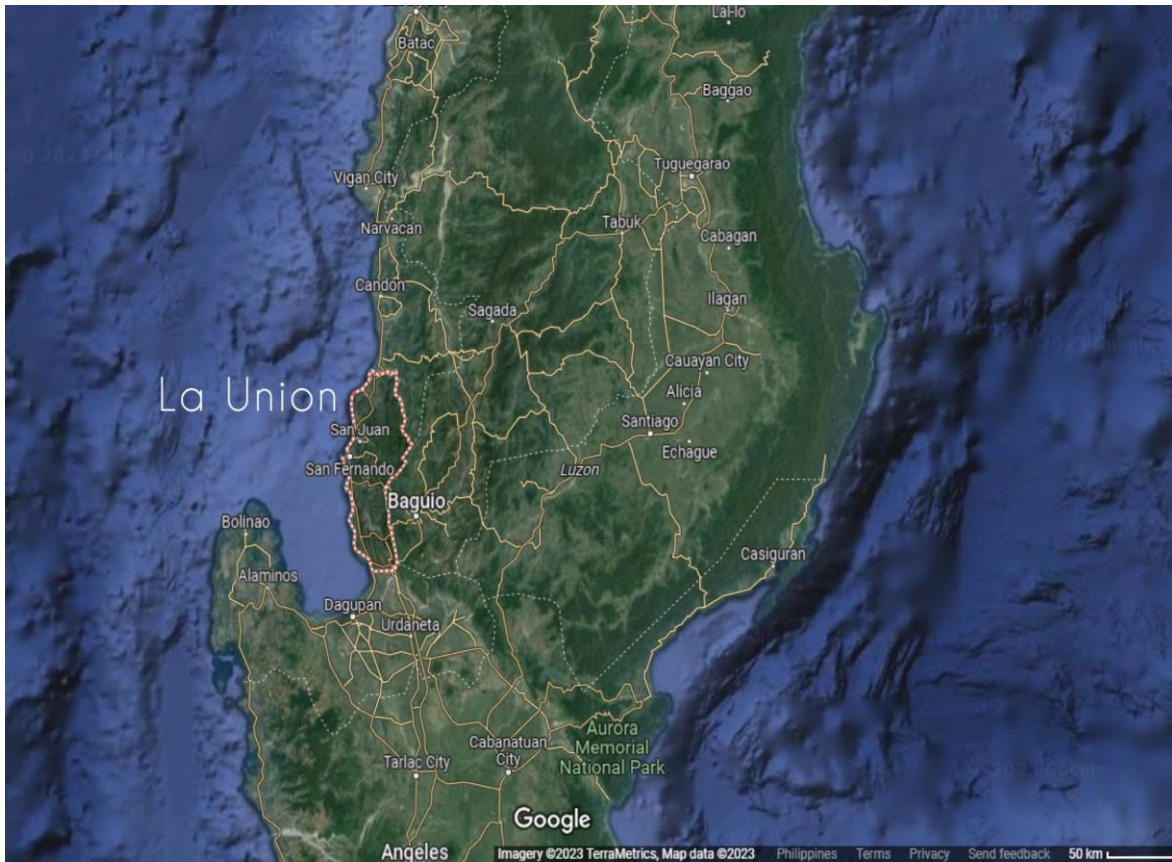
**MONITORING AND EVALUATION.** Results-based programming shall be used in ensuring that implementation is on time and learning from experiences is built into the DRRM system. The PDRRMO shall develop a standard monitoring and evaluation. The stepwise monitoring and evaluation process includes the sub-component LGUs. To monitor and evaluate, the indicators will be used against targets and activities identified in each of the four (4) thematic areas of DRR with the aid of identified means of verification. Annual reporting is done by the PDRRMC through the PDRRMO to the Office of the Governor, within the quarter of the succeeding year.

## CHAPTER I: BACKGROUND

### POPULATION AND SERVICES

La Union is located in the southwestern part of the Ilocos Region bounded on the north and northeast by Ilocos Sur; on the south by Pangasinan; on the east by Benguet; and on the west by the West Philippine Sea. The province is composed of one (1) city and nineteen (19) municipalities gaining a share of 16.39 percent from the Region's total. The 576 barangays of the province account for 17.76 percent of the Region's total. The lone city is the province's capital – the City of San Fernando.

Map 1: Regional Map

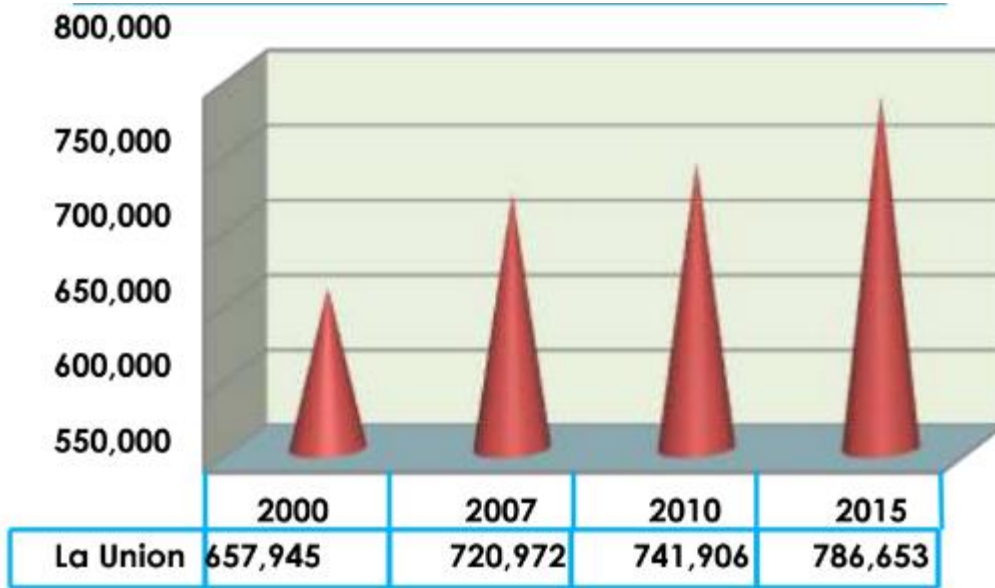


1. Population and Settlement

*Size, Distribution, Growth Rate and Density* - The Census of Population in 2015 showed that La Union has a total population of 786,653 persons, registering a share of 16 percent of the total regional population. As for congressional district distribution, District 1 shared 46 percent of the total population while District II had a bigger share of 54 percent.

The annual population growth rate from 2010- 2015 was 1.12 percent, higher by 0.07 percent from that of the 2007-2010 figure which is 1.05 percent. The annual population growth rate is higher than the region's 1.09 but relatively lower compared with the national APGR of 1.72.

Figure 1:



Historical Population Trend, 2000-2015

The province's population density increased from 497 in CY 2010 to 527 in CY 2015 which means that in CY 2015, 30 persons more were added to the occupants of a square kilometer. Agoo, a first class municipality from the 2<sup>nd</sup> District has the highest population density of 1,240 in CY 2015 while Bagulin, an upland municipality, has the least with only 91 persons per square kilometer.



Table 1. Land Area, Population, Population Density And Doubling Time, By Municipality/City:  
2010 - 2015

DISTRICT/ MUNICIPALITY/ CITY	LAND AREA (ha)	POPULATION		GROWTH RATE (%)	POPULATION DENSITY (person/sq.km)		DOUBLING TIME
		2010	2015		2010 - 2015	2010	
DISTRICT I	70,069	343,346	359,719	0.89	490	513	77
BACNOTAN	6,507	40,307	42,078	0.82	619	647	84
BALAOAN	6,870	37,910	39,188	0.63	552	570	109
BANGAR	3,604	34,522	35,947	0.77	958	997	89
LUNA	4,489	35,380	35,802	0.23	788	798	305
SAN FERNANDO CITY	10,688	114,963	121,812	1.11	1,076	1,140	62
SAN GABRIEL	15,500	16,628	18,172	1.71	107	117	40
SAN JUAN	5,186	35,098	37,188	1.11	677	717	62
SANTOL	8,237	12,007	12,476	0.73	146	151	94
SUDIPEN	8,988	16,531	17,056	0.60	184	190	116
DISTRICT II	79,240	398,560	426,934	1.32	503	539	52
AGOO	5,135	60,596	63,692	0.95	1,180	1,240	72
ARINGAY	12,207	44,949	47,458	1.04	368	389	66
BAGULIN	14,762	12,590	13,456	1.28	85	91	54
BAUANG	7,160	70,735	75,032	1.13	988	1,048	61
BURGOS	4,516	7,850	8,067	0.52	174	179	133
CABA	4,862	21,244	22,039	0.70	437	453	98
NAGUILIAN	8,740	48,407	54,221	2.18	554	620	32
PUGO	5,585	16,518	19,690	3.40	296	353	20
ROSARIO	7,000	52,679	55,458	0.98	753	792	70
STO. TOMAS	3,242	35,999	39,092	1.58	1,110	1,206	44
TUBAO	6,031	26,993	28,729	1.19	448	476	58
LA UNION	149,309	741,906	786,653	1.12	497	527	62

## 2. Income Based Poverty Statistics

Between CY 2006 and 2012 (See Table No. 2), poverty incidence of families peaked in CY 2005 at 22.40% or close to 36,000 families, then this suddenly and significantly dropped to 15.30% in 2012, a 7.10 percentage point drop in a period of 3 years. This indeed was a remarkable achievement which allowed the province to gain a high degree of probability in achieving the target on poverty reduction by 2015. In terms of the subsistence incidence of families between the two periods (2009 and 2012), a reduction as also made from 9.50% (15,203 families) in 2009 to 5.20% in 2012 (8,933 families)

Table 2. Income-Based Poverty Statistics, CYs 2006-2012

AREA	POVERTY INCIDENCE AMONG FAMILIES (%)			
	2006	% POINT (INCREASE/DECREASE) 2009 2012 2006-2009 2009-2012		
Region I	19.9	16.8	14.0	(3.1) (2.8)
Ilocos Norte <sup>b/</sup>	13.7	11.1	8.4	(2.6) (2.7)
Ilocos Sur <sup>/</sup>	16.4	13.4	13.7	(3.0) 0.3
<b>La Union</b>	<b>20.8</b>	<b>22.4</b>	<b>15.3</b>	<b>1.6 (7.1)</b>
Pangasinan	21.8	17.2	14.9	(4.6) (2.4)

## 3. Social Services

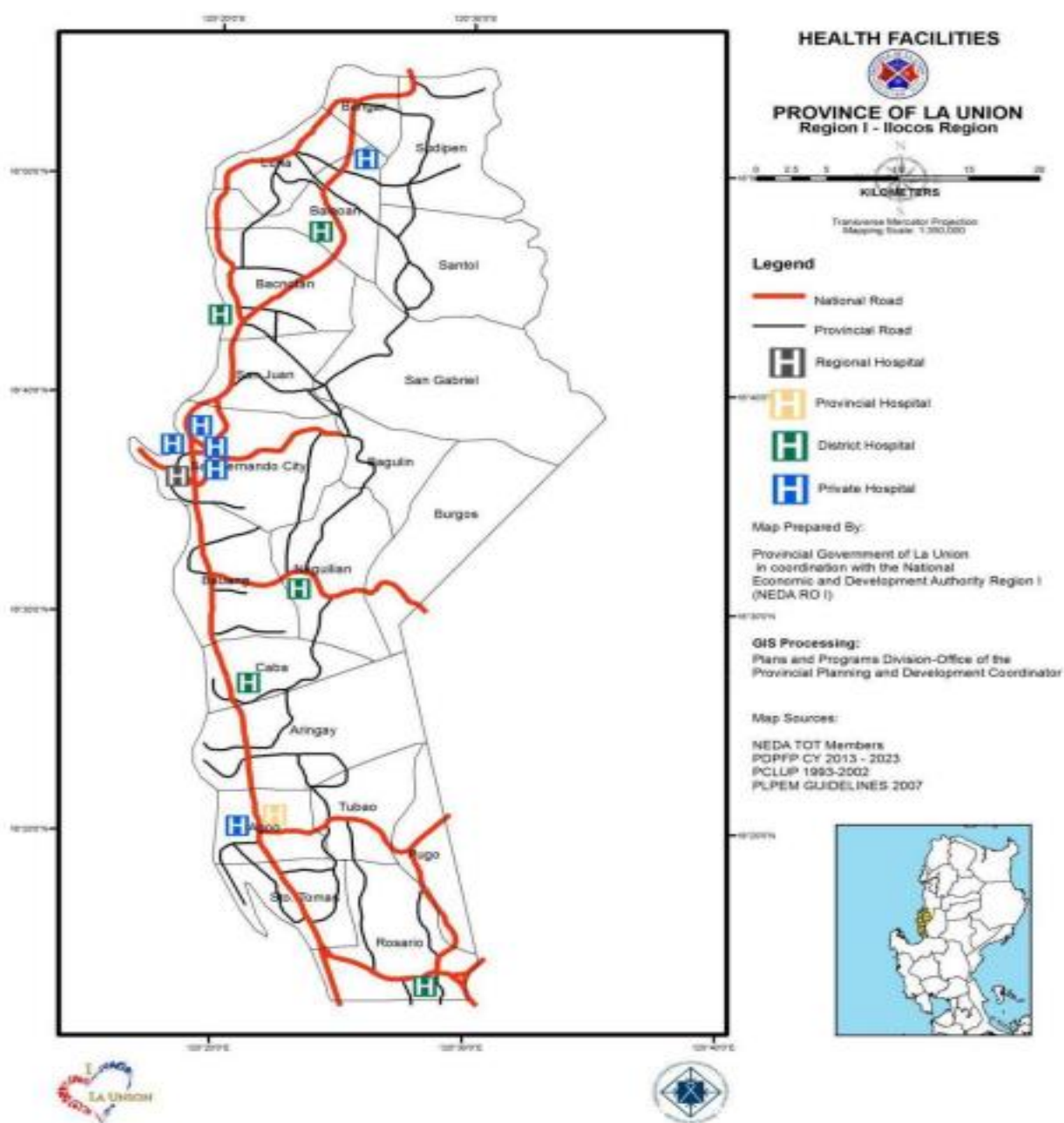
### 3.1. Health Services

A total of 24 hospitals are located in La Union including lying-ins and clinics, of which 17 are privately owned and the other (7) are managed by the government. These hospitals have a total bed capacity of seven hundred eighty nine (789) , four hundred twenty (420) in public hospitals and three hundred eighty nine (369) in private hospitals. Among the government hospitals, the Ilocos Training and Regional Medical Center accounts for 200 beds.

The Barangay Health Workers referred complicated cases to the 5 District Hospitals. Looking at the distribution of hospitals in the province, more are located in developed and urban municipalities. Most hospitals with modern means of facilities and communication services are located in San Fernando City and Agoo.

Assessing the adequacy of hospital services, more bed capacities, modern equipment and drugs are available in modern hospitals than in public/district hospitals. At present, district hospital facilities were improved/upgraded/provided through the Economic Development Fund of the province and the Hospital Facilities Enhancement Program (HPEP) from the Department of Health.

Map 2. Health Facilities

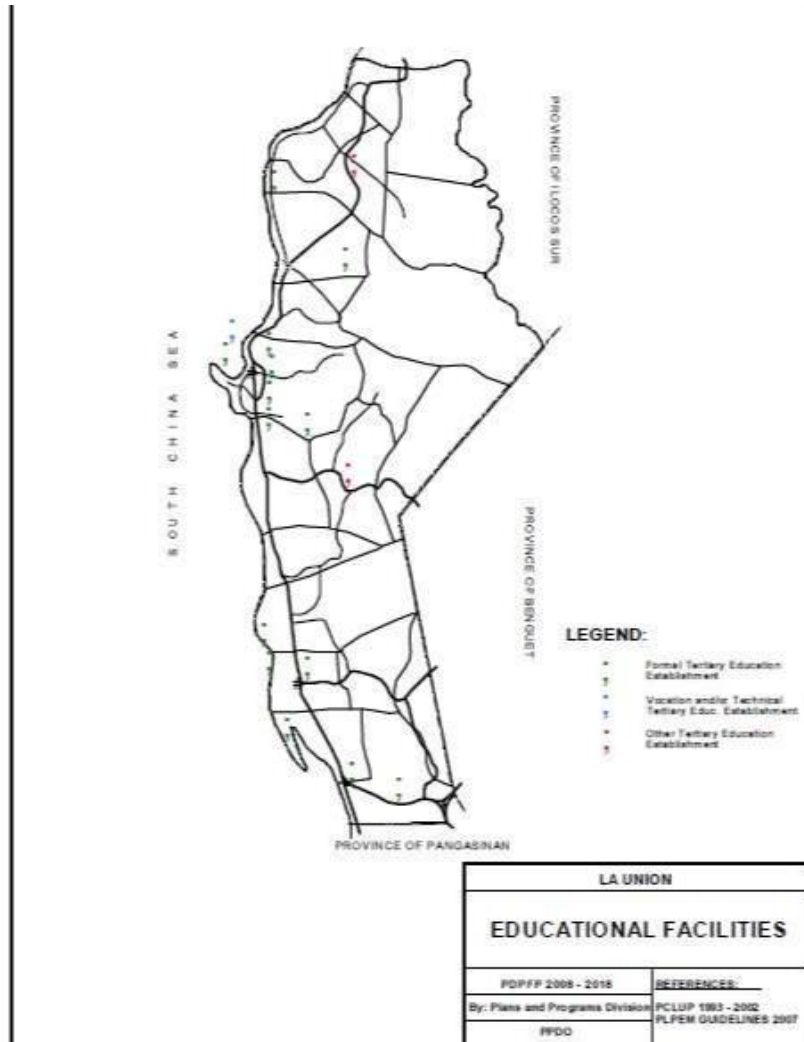


A total of 237 health facilities operate in La Union. In each municipality there are twenty (20) Rural Health Units/FP clinics and 217 Barangay Health Stations (BHS). Burgos, an upland area, had the least with five (5) Barangay Health Stations. Average population served by 1 BHS is 3,591. Around 38 percent of the total barangays have BHS. Presence of private clinics and diagnostic centers are located in urban municipalities that cater health services to the middle upper income class population. The preventive and promotive aspect of health is the main thrust of the health sector in the province.

### 3.2. Education Facilities

In terms of physical facilities, a total number of 590 public and private schools were recorded and distributed as follows: elementary schools accounted for 428 or 73 percent; secondary schools 139 or 24 percent and tertiary schools 25 or percent.

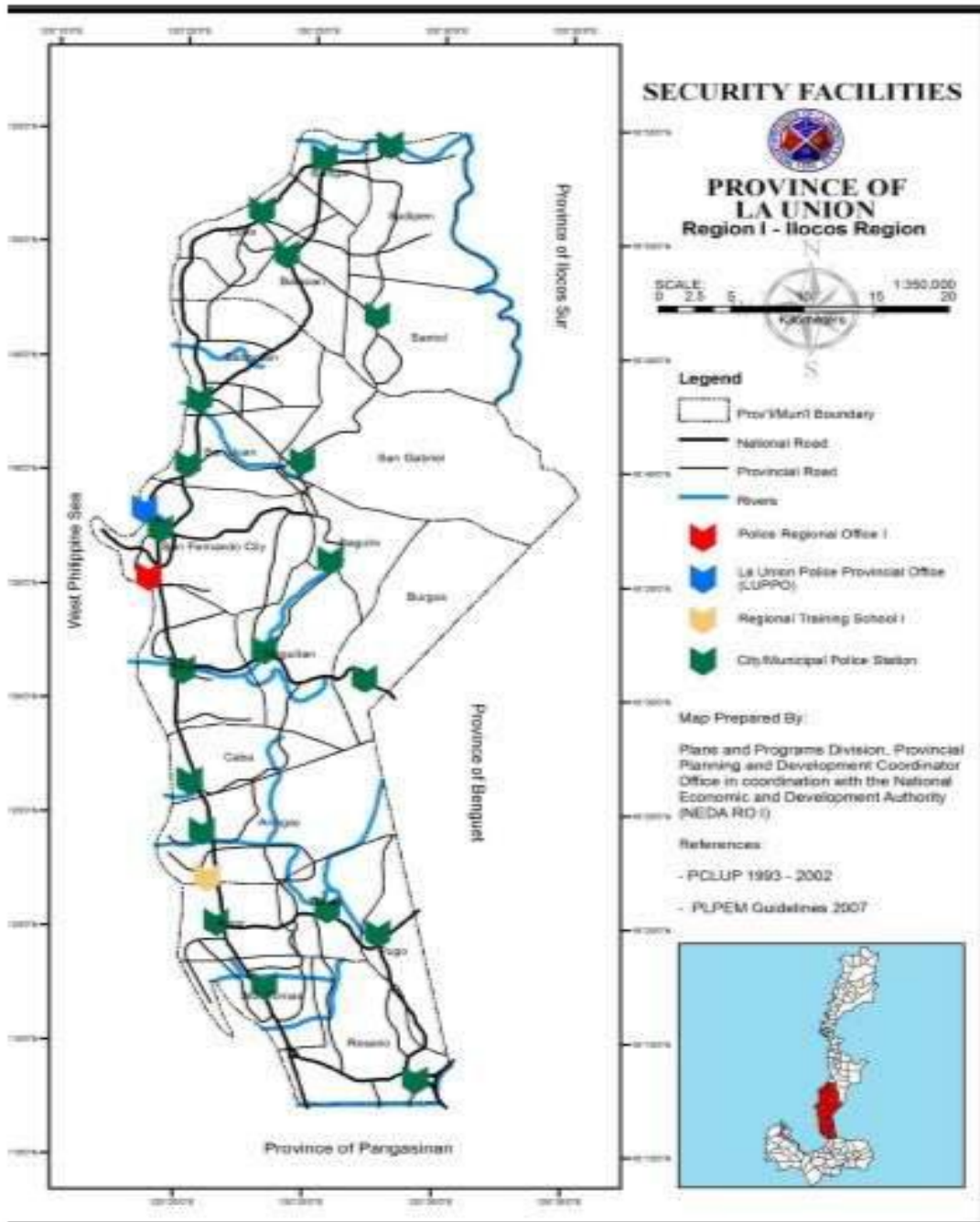
Map 3. Educational Facilitie



### 3.3. Security Facilities

Looking at the province police force, in CY 2015 there were 1,037 policemen (834) males and (203) females. The current policeman to population ratio is 1:786. The DILG with its provincial and regional offices supervise the operation of the Bureau of Fire Protection in the province with a total of 13 fire stations, 18 fire trucks with 167 fire personnel.

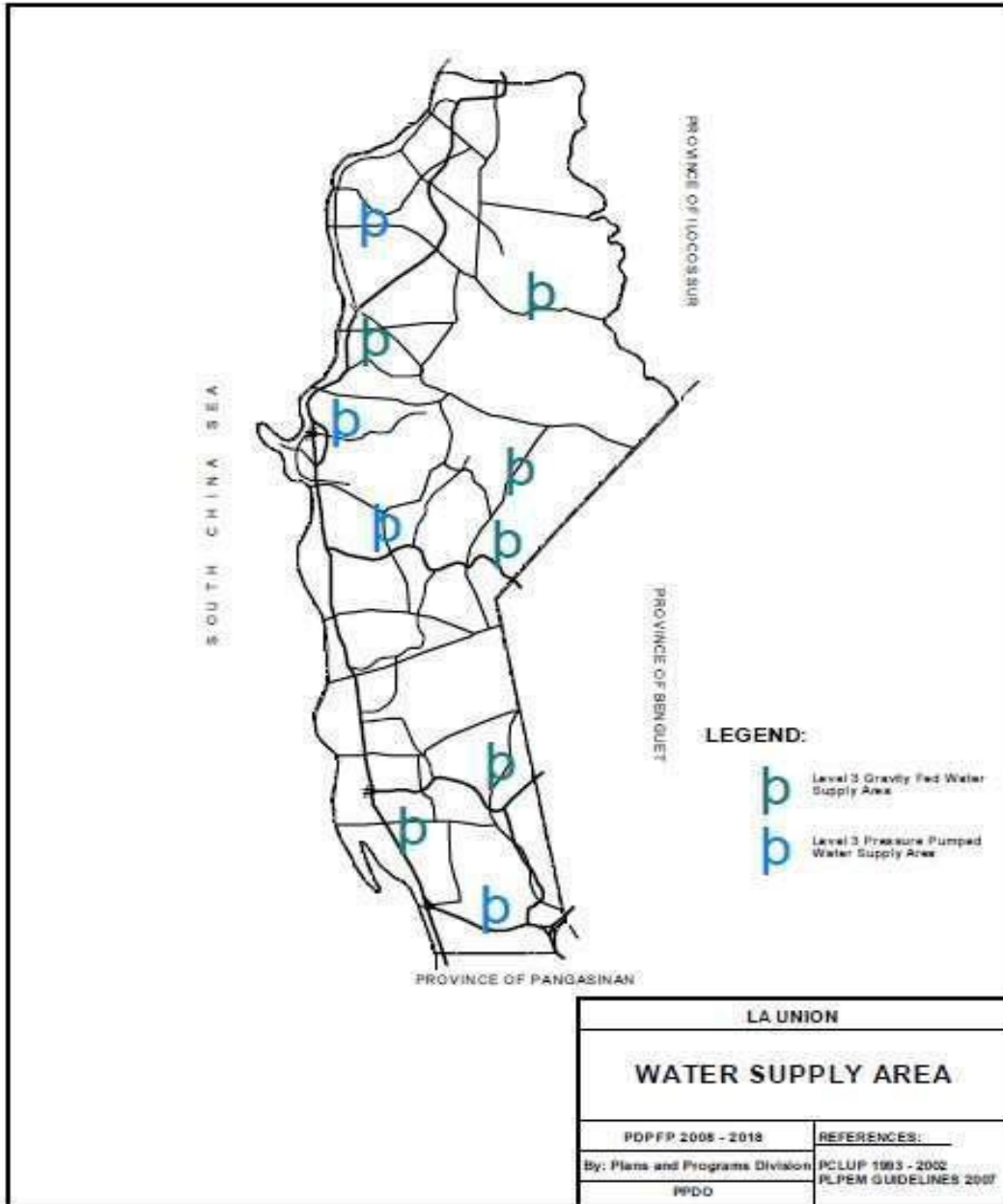
Map 4. Security Facilities



### 3.4. Water Supply Area

The waterworks operating under the Local Water Utilities Administration (LWUA) are the Metro San Fernando Water District, Balaoan Water District, Naguilian Water District, Agoo Water District and the Rosario Water District.

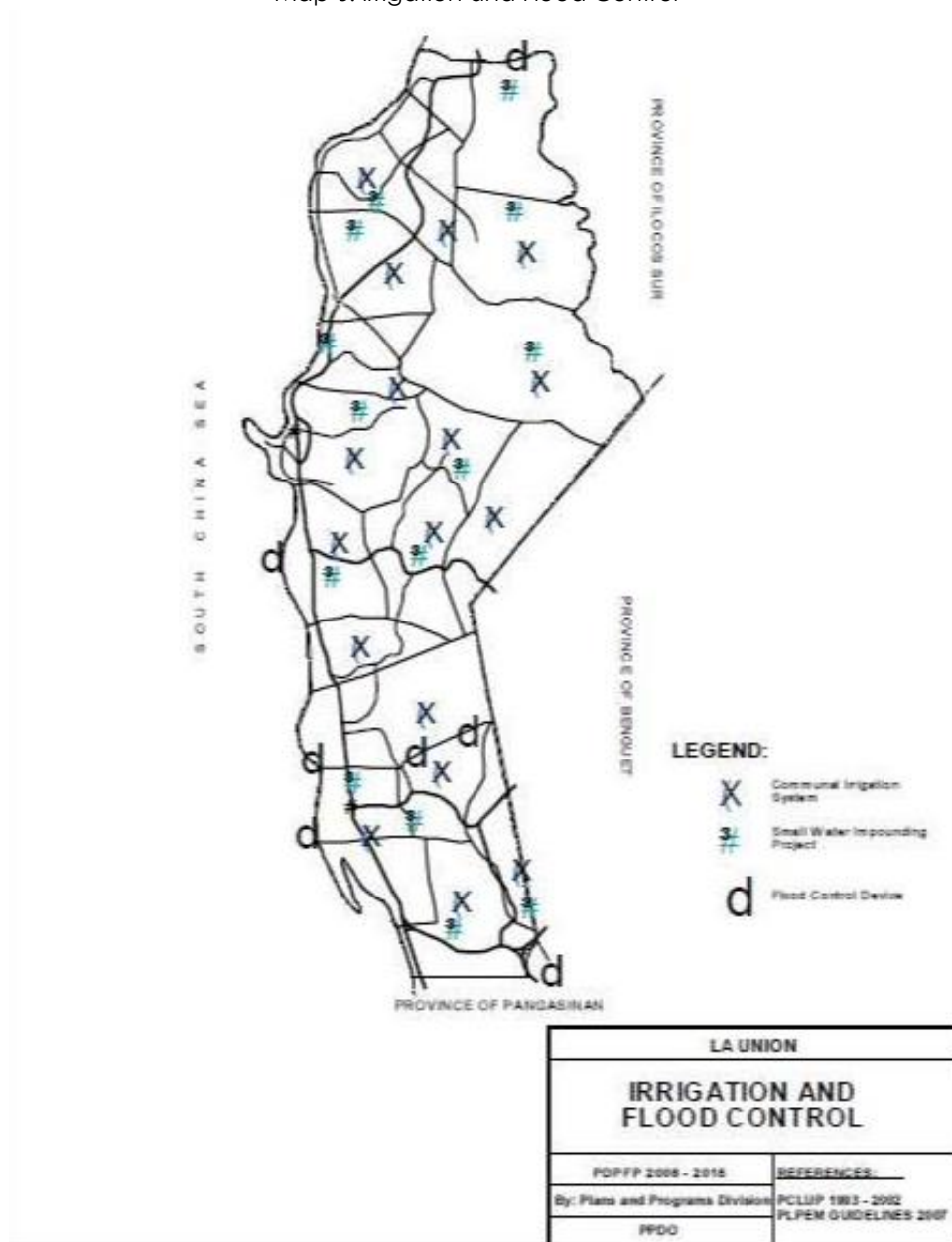
Map 5. Water Supply Area



### 3.5. Irrigation and Flood Control

Irrigation systems of the Province had a total service area of 15,090 hectares. The National Irrigation System in the province had a total service area of 3,702 hectares while the Communal Irrigation System had 3,789 hectares. The Amburayan River is the main source of water in irrigating the farms in District I while NIA Masalip in Agoos serves the municipalities in the second district. However, the rainfed areas had a total of 14,161 hectares breakdown to 13,782 hectares and 379 hectares for rainfed upland-lowland, respectively. Most of the projects are classified according to their respective areas served: National Irrigation System, Communal Irrigation System, Small Water Impounding Projects Shallow Tube Wells, Small Farm Reservoir, Pumps and others. All these irrigation facilities are funded under RA 7171.

Map 6. Irrigation and Flood Control

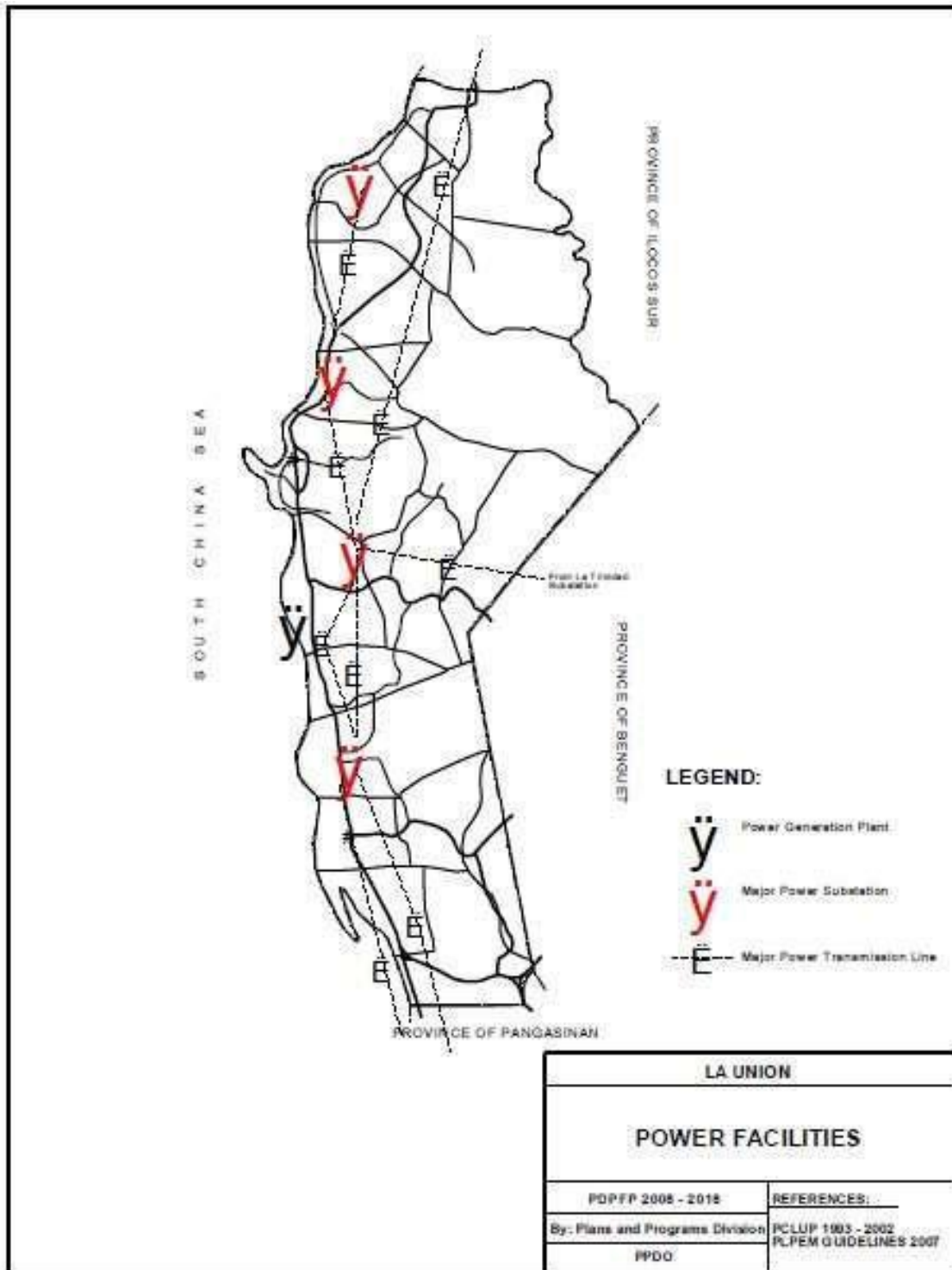




### 3.6. Power Facilities

The province of La Union is 100% energized courtesy of LUECO and LUELCO having GRID as their main source of power.

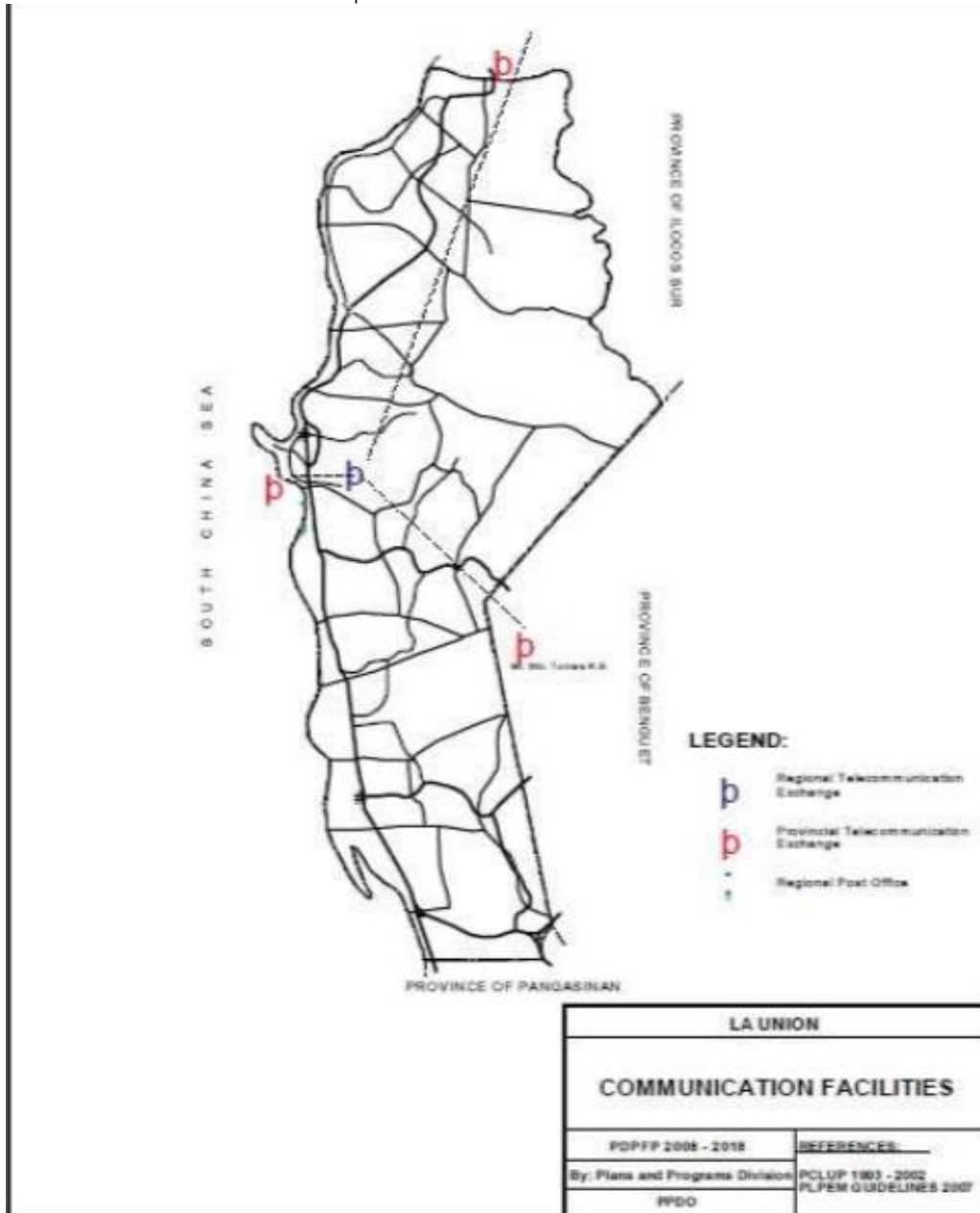
Map 7. Power Facilities



### 3.7. Communication Facilities

Telecommunications were provided largely by the private sectors such as telephone, telegraph and radios, etc. Eight municipalities from District I were covered by PLDT (Bacnotan, Balaoan, Bangar, Luna, City of San Fernando, San Gabriel, San Juan and Sudipen) while seven (7) from District II (Agoo, Aringay, Bauang, Caba, Naguilian, Rosario and Tubao) and the rest of the same district were covered by NOTELCO, others are supported by cell phone companies like SMART, GLOBE, and SUN CELLULAR.

Map 8. Communication Facilities



## LOCAL ECONOMY

As of CY 2014, there are 8,476 establishments operating in the province. Majority of these establishments are under the wholesale and retail trade and repair of motor vehicles and motorcycles with a total no of 3,595. Out of the 8,476 establishments in the province, a total of 6,894 (81.33%) were under Services, 1,455 (17.17%) were in the Industry and 127 (1.49%) were in the agricultural industries. San Fernando City, being the region's and the province's business center, have the most number of establishments with 2,625 or 56.61 percent of the districts total while Bauang in the 2nd District have the most at 821 or 32 percent of the districts total. The 19 Major manufacturing establishments exist in the province which include, among others, the Cement Factory in Bacnotan (HOLCIM), SoilTech Agricultural Products, Pilipinas Shell Petroleum Corporation, Bauang Private Power Plant Corporation, etc. The manufacturing business in the province is mainly composed of the different cottage industries. They are the income-supplementing activities where people can engage in even during off-season. These are handicrafts, metal crafts, furniture, garments, ceramics and food processing, etc. Commercial activities in the province consist mostly of wholesale and retail business. The City of San Fernando, the business center, has the highest share with 32 percent of the provincial total.

### 1. Agriculture, Fishery, Poultry

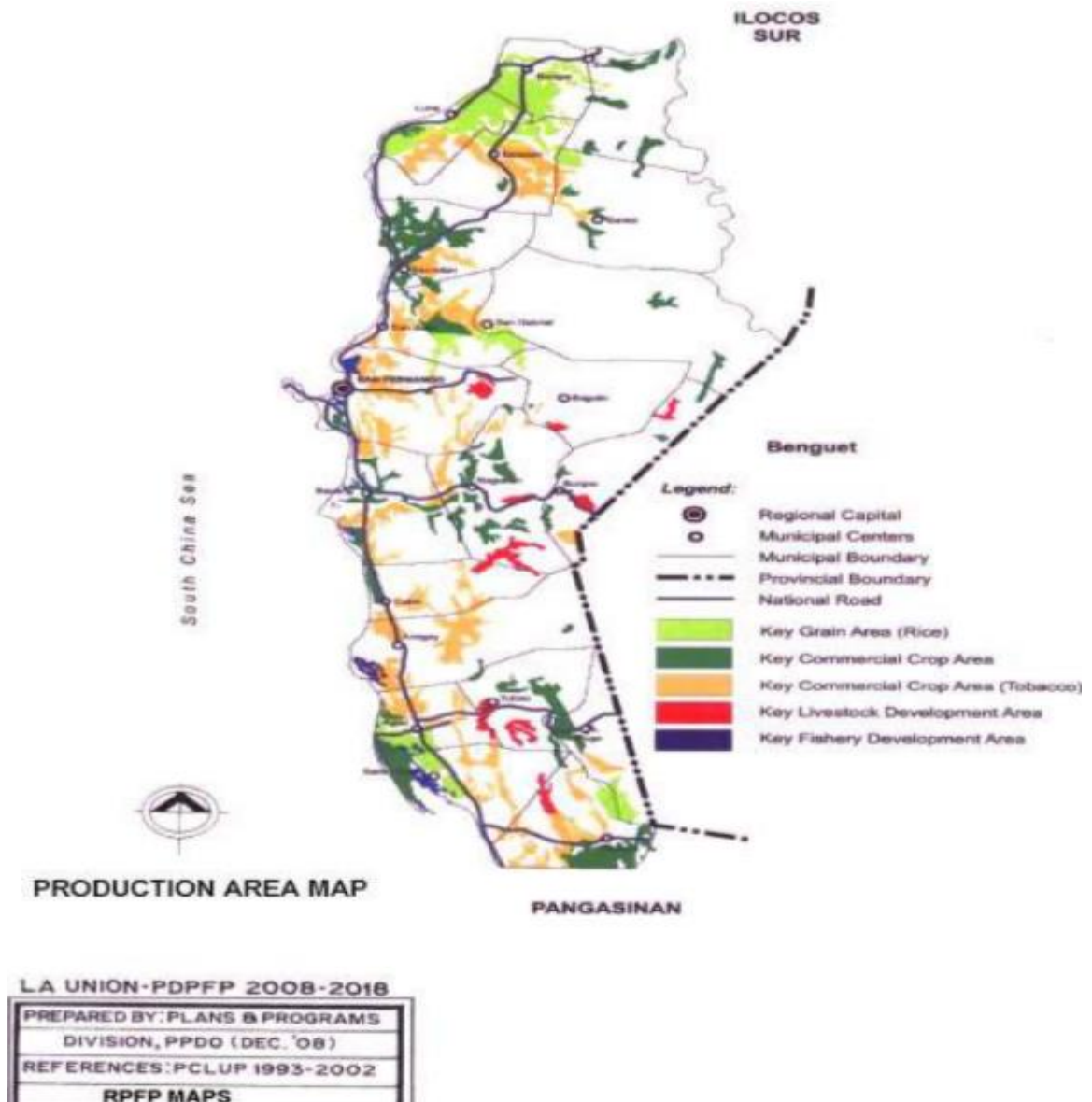
#### 1.1. Agriculture

Palay remains to be the major cash crop of the province. The total area planted with palay is 38,693 hectares, of which 24,596 hectares were irrigated while the remaining 14,097 hectares were rained. The province's production for the year 2015 was 187,148 Metric Tons with only 86,061 Metric Tons consumed by the population resulting in an average sufficiency level of 124% in the province. Likewise, La Union has been one of the top producers of corn in the region with an average annual production of 27,508 Metric Tons. In 2015 alone, corn production yielded P229,696,330.00 in terms of income giving employment to 1,238 people. The largest area planted with yellow corn can be found in San Juan of District I with an area of 630 hectares while Tubao of District II has the biggest production of green corn at 1,295 Metric Tons. In terms of fruit tree production, the province is 166% sufficient. Mango dominated all the fruit trees with a total production of 32,250 Metric Tons. Moreover, fruits, root crops, leafy and fruit vegetables are in the level of more than 200% sufficiency, an indication that these commodities are more than enough for the consumption of the province.

#### 1.2. Fishery

Total fish production in the province during the year 2015 was 18,087.53 Metric Tons which is more than the food requirement of the population at 17,306.35 Metric Tons; hence, a sufficiency level is 105%. The total additional employment generated out of fish production was 13,365 and the total income computed was P1,683,655.90. District II has higher fish production compared to District I at 11,428.41 metric tons (63.18%) vs 6,659.42 metric tons (30%).

Map 9. Production Area Map



### 1.3. Livestock and Poultry

The total production of 36,629 metric tons in livestock and poultry in the province as recorded in 2014 decreased to 36,137.43 metric tons in 2015, attributed to losses due to strong typhoons that visited the province. However, the production is still sufficient to fill the demands based on the computation of production against consumption which reflects a sufficiency level of more than 100% in all livestock commodities.

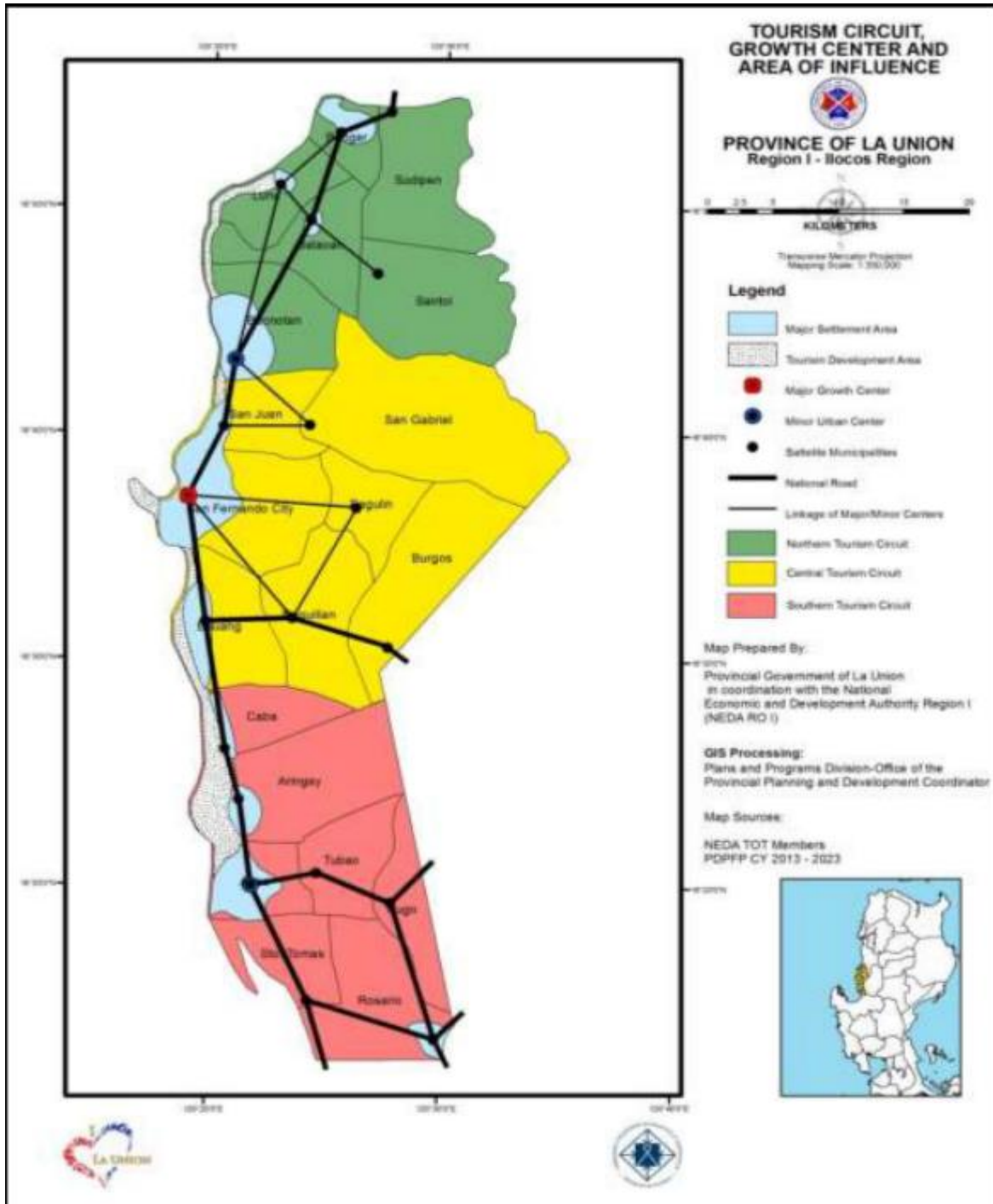
#### 1.4. Tourism

Recognizing the dominance of the tourism industry vis-a-viz its role in generating economy, the Province of La Union made tourism as a platform taking into consideration its strategic location as gateway to Ilocandia and Baguio City and renown as a place in Ilocandia where the most number of conveniences, supplies and support facilities for visitors are available like a) shopping convenience and personal services, b) variety of hotel accommodations and restaurant facilities, c) entertainment facilities, souvenir and gift shops, d) parks, beaches, forest and other nature centers, e) transport terminals such as airport, seaport and land transportation, f) central bank, commercial and rural banks, and foreign currency exchange, etc.

The stretch of white and gray sand beaches along the towns of La Union is the main attraction to tourists. In the province tourist belts are located along the shores of San Juan, San Fernando City, Bauang and Agoo. Its calm crystal water is ideal for water skiing, snorkeling, swimming, scuba diving, windsurfing and boating. Its gifted multitude of scenic landscapes is a tourism haven as well, and eco-tourism development. Surfing is now a tourism booster in the province owing to its long waves best for longboard surfing. The stable peace and order situation and the tourism areas in La Union are the main attractions to local and foreign tourists.

Since 2015, total tourist arrivals have posted positive growth of 48 percent. It grew to 381,649 tourist arrivals compared to CY 2014 at 199,817. Domestic tourists continued to account for a major bulk of tourists visitors to the province. It totaled 369,173 higher than CY 2014 with a total of 192,298. Foreign tourist arrivals pictured an increase from 7,519 foreigners in CY 2014 to 12,474 in CY 2015. Majority of the foreigners came from East Asia (5,521 or 44.26%) , North America (1,584 or 13%), Western Europe (1,385 or 11.10%) and Asean (1,148 or 9.20%).

Map 10. Tourism Circuits, Growth and Area of Influence



## INFRASTRUCTURE AND PHYSICAL BASE

### 1. Agricultural Areas

Agricultural areas cover 54,701 hectares or 36.64 percent of the total area. The western side under broad alluvial plains, valleys and along the hills and mountains under this category. The eastern part covering the municipalities of Bagulin, Naguilian and Rosario are rice terraces. Irrigated Riceland exists on the low lying areas of Bangar, Balaoan, Agoo and Rosario while non-irrigated ricelands are seen on the flat alluvial plain, valley and river terrain within the different municipalities.

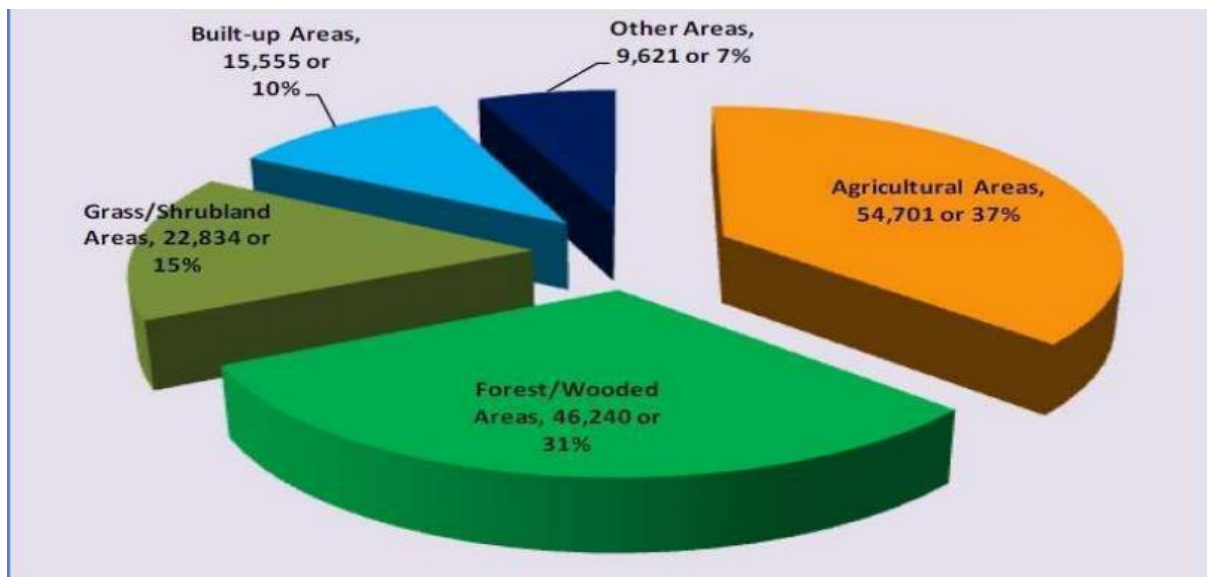
### 2. Grassland/Shrubland Areas

This category is predominantly covered with cogon and different species of shrubs within an area of 22,834 hectares or 15.59 percent of the total land area. Grasses and shrubs cover mostly the sedimentary hills and mountains except on higher elevation having steep to very steep slopes.

### 3. Forest/Wooded Areas

This area occupies 46,598 hectares or 31.21 percent of the total land area. This area is covered with different forest species at the highest portion of mountain ranges near the boundary of Ilocos Sur and Benguet province.

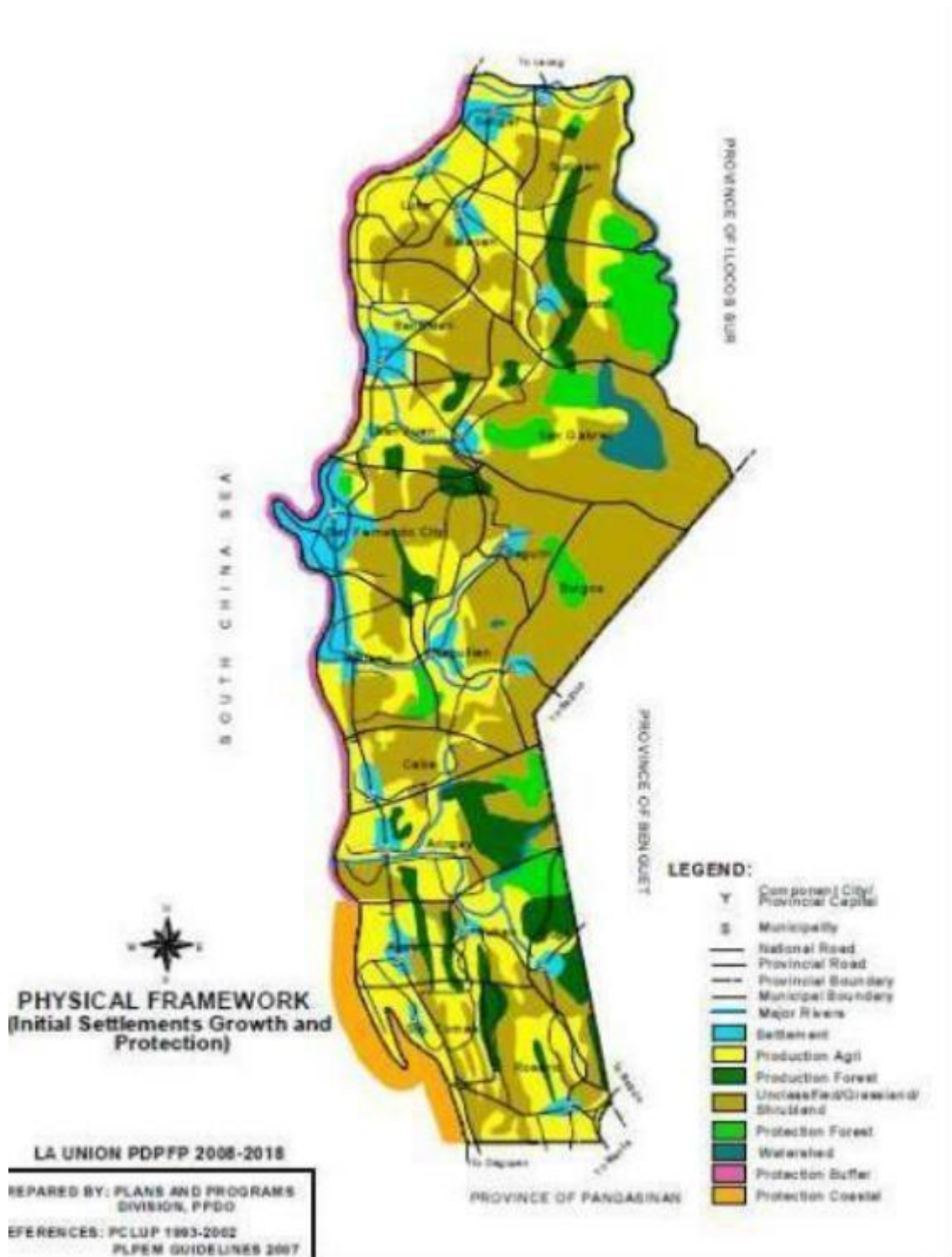
Figure 2. Existing Land Use Distribution by Categories



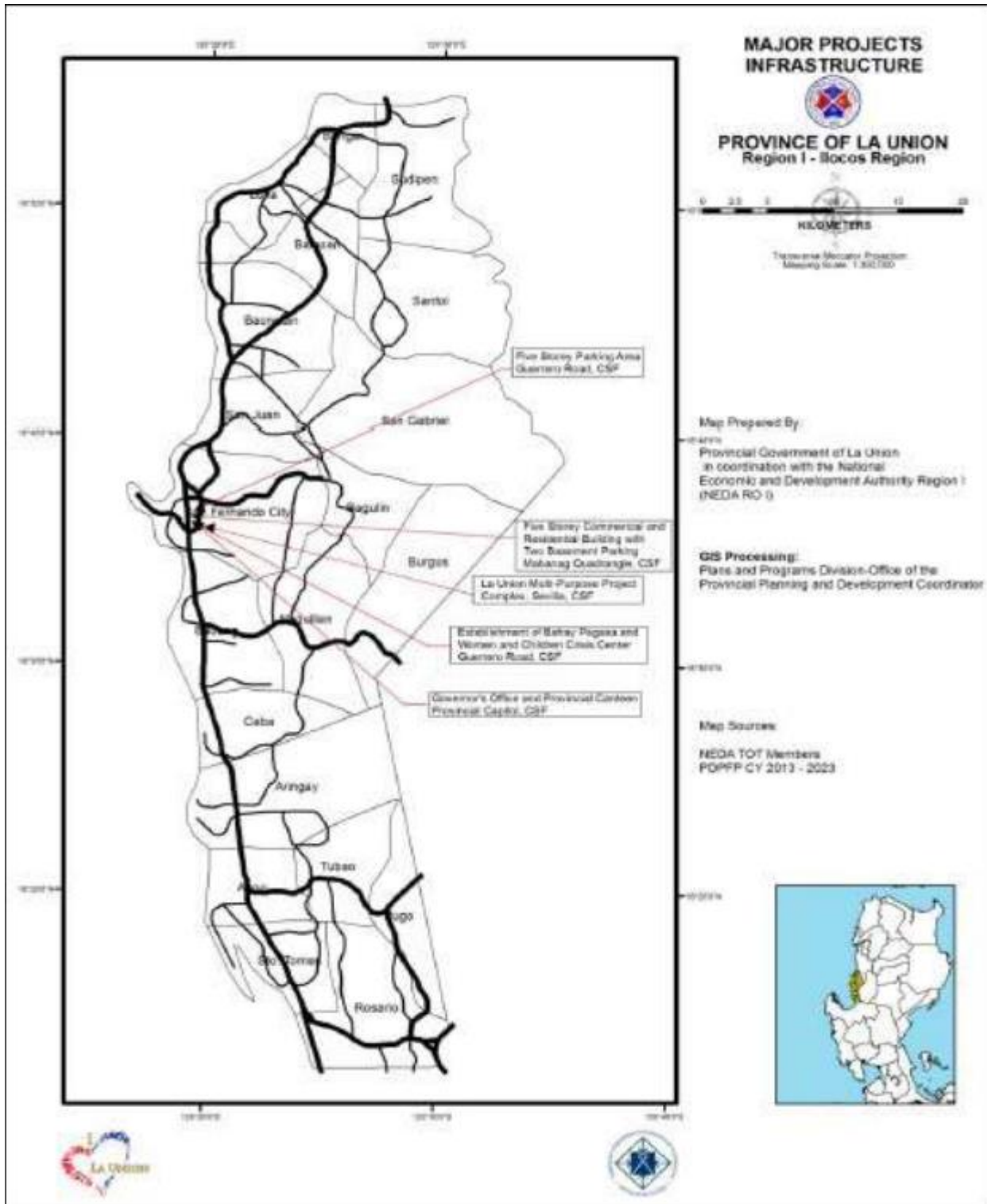
Source: DENR RO1



Map 11. Physical Framework

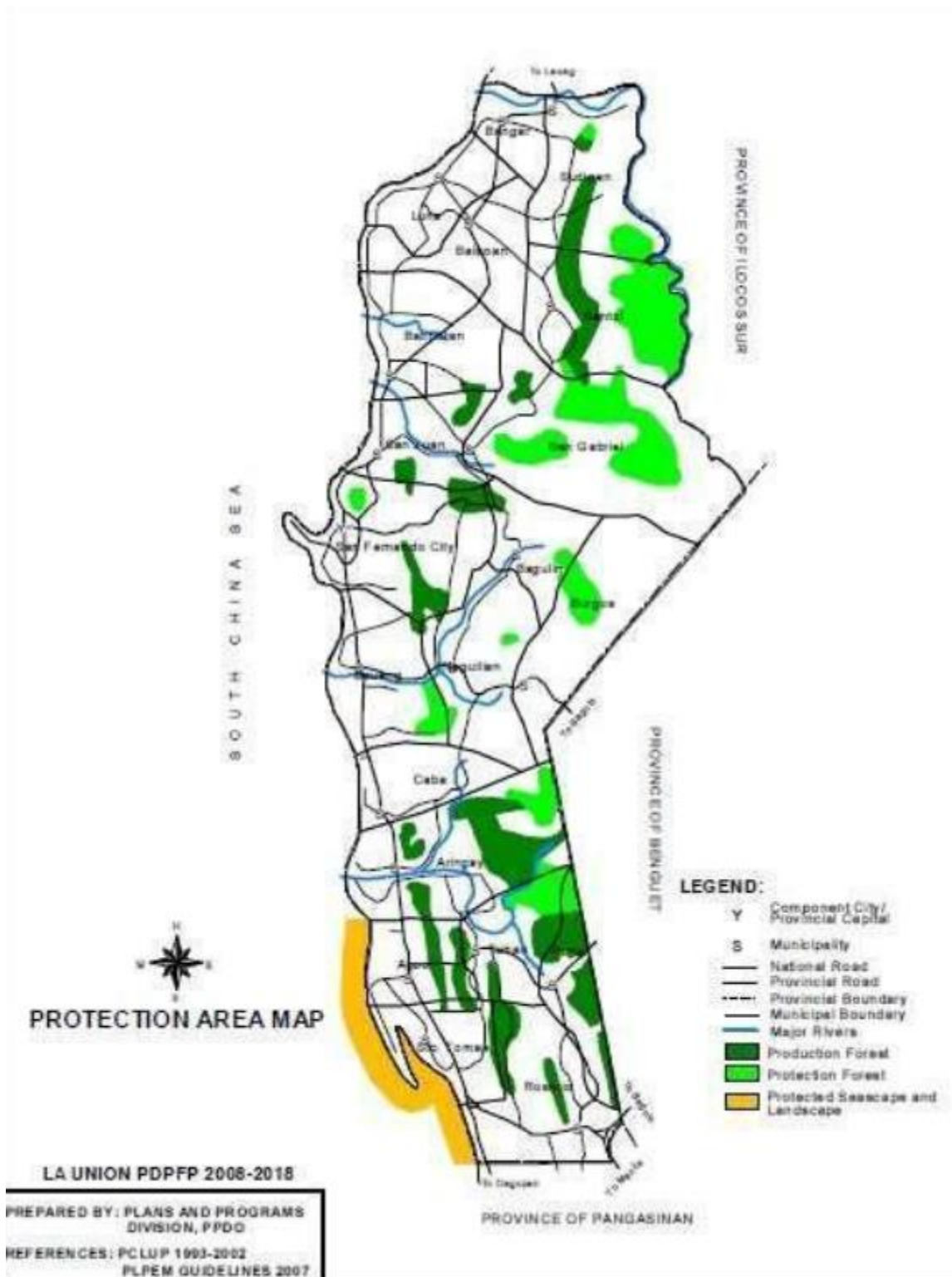


Map 12. Major Projects Infrastructure





Map 14. Protection Area Map





1. Other Areas

These areas are purposely for beach sand, river wash of prominent rivers and for aqua-culture in brackish or freshwater. It covers an area of 9,621 hectares or 6.44 percent of the total area.

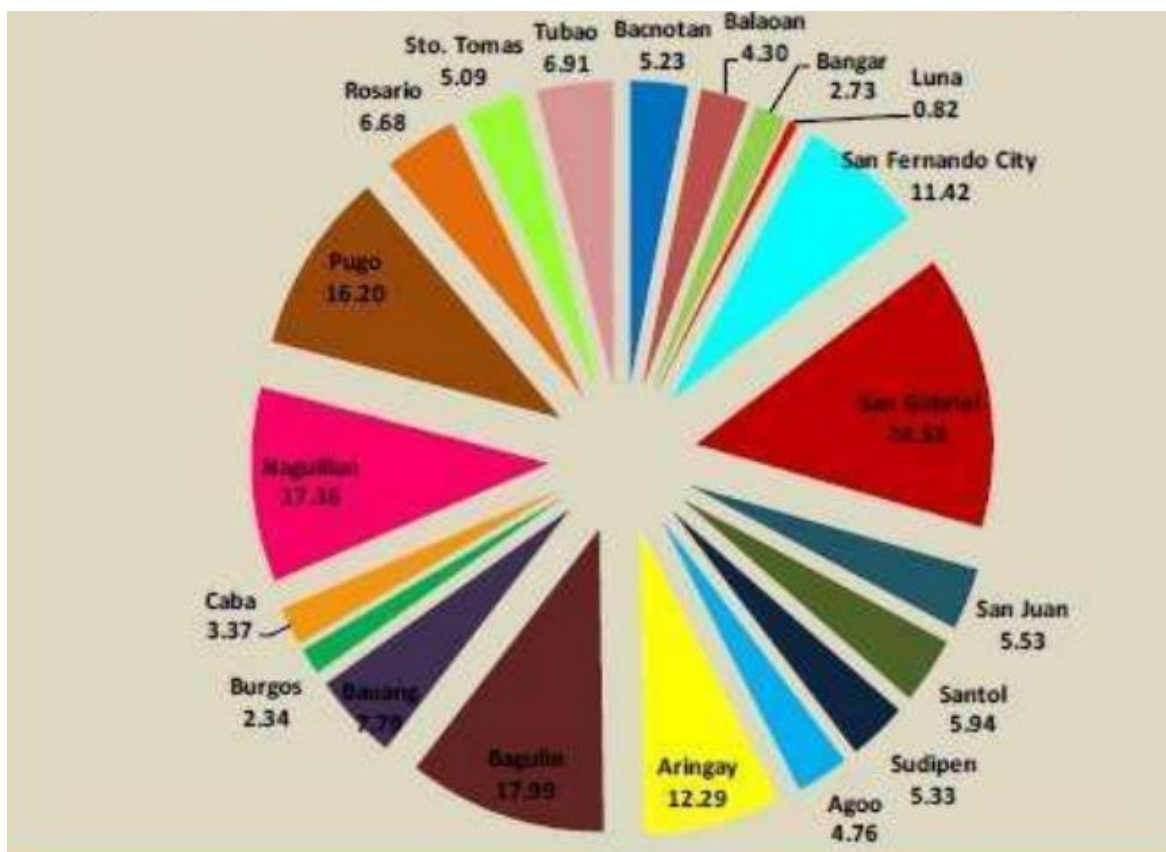
2. 5 Built-up Areas

These areas are those classified as residential, commercial, institutional and industrial parks and recreation centers. These areas occupy 15,555 hectares or 10.42 percent of the total area. It is observed that built-up areas are located mostly along the province road network. Settlement continued to arise in patches within protected areas. The increase in population and the proposed development in the area attributed to the expansion of settlement, industrial and commercial activities in the province.

3. Demands for Expansion Area

Projected demand on land requirement is based on the population growth and the area's population density. In highly urbanized areas like the City of San Fernando, the municipalities of Bauang and Luna have low demand owing to its high density (number of persons per unit area). For municipalities with lower population density and with a wide area, would need a wider area for every population increase as in the case of Bagulin. The total expansion area for the year 2015 is 84.91 square kilometers and almost doubles by the year 2020 and is 162.40 square kilometers.

Figure 3. Additional Settlement Land Requirement by Municipality



## ENVIRONMENTAL MANAGEMENT AND NATURAL RESOURCES

### 1. Land Resource

#### 1.1 Land Area and Major Landforms

The province has a total land area of 149,309 hectares and this represents 11.60 percent of the region's 1,284,019 hectares and about 0.5 percent of the total land area of the country. The First District shared 70,069 hectares or 46.93 percent of the province's area while the Second District occupied a total land area of 79,240 hectares or 53.07 percent share from the province's area.

The province has predominantly hilly terrain, which gradually rises eastward from the shore. The western border is a coastal plain of raised coral alluvium (sand/clay) deposited by flowing water and overlaying older sediments. The eastern portion is predominantly mountainous but lower in contour than the Cordillera Mountain ranges of Benguet and Mountain Province with a linear north and south arrangement. The highest peak in the province is in the municipality of Bagulin with an elevation of 1,200 feet above sea level.

The province has two (2) major land classifications - the Alienable and Disposable (A & D) lands with a total area of 120,307 hectares (80.58 % of the total land area) and the Public Forestlands, gaining a share of 19.43 percent of the province's total. Among the LGUs, San Gabriel in District 1 has the widest A & D land of 10,938 hectares while Burgos at District 2 has the narrowest with only 2,553 hectares. Bagulin had the widest public forestlands of 76.29 percent for an equivalence of 11,262 hectares.

#### 1.2. Slope Classification

District 1 is considered to be a lowland area since it is dominated by the 0-18 percent slope classification, although some of its area was mountainous. District 2 is considered to be predominantly upland with the majority of the land having been dominated by 18 to over 30 percent slope. For municipalities, Balaoan has the widest lowland area of 5,245 hectares belonging to 0-18 percent slope and Bagulin has the widest upland area with 8,440 hectares reflecting slopes over 30 percent.

Table 3. Slope Category Distribution, by Municipality/City

DISTRICT/ MUNICIPALITY/ CITY	LAND AREA  (Has.)	AREA BY SLOPE CLASSIFICATION							
		0-8%		8-18%		18-30%		OVER 30%	
		AREA	%DIST.	AREA	%DIST.	AREA	%DIST.	AREA	%DIST.
<b>DISTRICT I</b>	<b>70,069</b>	<b>289.42</b>	<b>51.62</b>	<b>44.49</b>	<b>41.27</b>	<b>266.67</b>	<b>46.05</b>	<b>100.11</b>	<b>40.77</b>
BACNOTAN	6,507	36.82	6.57	1.25	1.16	22.50	3.89	4.50	1.83
BALAOAN	6,870	52.45	9.36	6.00	5.57	9.00	1.55	1.25	0.51
BANGAR	3,604	33.04	5.89			2.25	0.39	0.75	0.31
LUNA	4,489	40.39	7.20	0.25	0.23	4.25	0.73		
SAN FDO CITY	10,688	48.63	8.67	10.50	9.74	37.50	6.48	10.25	4.17
SAN GABRIEL	15,500	6.89	1.23	11.84	10.98	100.70	17.39	35.57	14.48
SAN JUAN	5,186	29.19	5.21	4.07	3.78	17.14	2.96	1.46	0.59
SANTOL	8,237	8.75	1.56	8.78	8.14	40.08	6.92	24.76	10.08
SUDIPE	8,988	33.26	5.93	1.80	1.67	33.25	5.74	21.57	8.78
<b>DISTRICT II</b>	<b>79,240</b>	<b>271.20</b>	<b>48.38</b>	<b>63.31</b>	<b>58.73</b>	<b>312.43</b>	<b>53.95</b>	<b>145.46</b>	<b>59.23</b>
AGOO	5,13	29.85	5.32	6.75	6.26	12.50	2.16	2.25	0.92
ARINGAY	12,207	48.24	8.60	5.73	5.32	62.71	10.83	5.39	2.19
BAGULIN	14,762	1.71	0.31	2.75	2.55	58.76	10.15	84.40	34.37
BAUANG	7,160	41.98	7.49	2.00	1.86	24.75	4.27	2.87	1.17
BURGOS	4,516	0.2	0.04	2.00	1.86	36.16	6.24	6.75	2.75
CABA	4,862	14.00	2.50	2.67	2.48	31.95	5.52		
NAGUILIAN	8,740	33.98	6.06	4.75	4.41	45.42	7.84	3.25	1.32
PUGO	5,585	7.97	1.42	9.50	8.81	2.70	0.47	35.68	14.53
ROSARIO	7,000	42.64	7.61	9.49	8.80	16.75	2.89	1.12	0.46
STO. TOMAS	3,424	20.42	3.64	2.59	2.40	7.46	1.29	1.95	0.79
TUBAO	6,031	30.16	5.38	15.08	13.99	13.27	2.29	1.80	0.73
<b>LA UNION</b>	<b>149,309</b>	<b>560.62</b>	<b>100.00</b>	<b>107.80</b>	<b>100.00</b>	<b>579.10</b>	<b>100.00</b>	<b>245.57</b>	<b>100.00</b>

### 1. Forest Resources

The classified forest area in the province was about 31,548 hectares; timberland of around 31,248.660 hectares; national parks, games refuge and bird sanctuaries totaling 210 hectares and forest resources of 90 hectares. The province's effective forest cover was 3,211 hectares. Total area reforested was 3,383 hectares accounting 12 percent of the total public forest.

### 2. Watershed Areas

Four watershed areas are found in the province and these are Naguilian, Amburayan, Baroro, Lon-oy and Aringay River Basin Watershed areas.

### 3. Major River Basins

On surface water, out of 29 river systems in Region I, five (5) are found in La Union. The Amburayan River basin is one of the largest in the region, and stretches along the boundaries of La Union and Ilocos Sur. The other major ones are Baroro, Naguilian, Aringay and Bued Rivers. The province is also endowed with creeks, lakes and streams which dissected every municipality in the province.

Table 4. Major River Basins in La Union

	<b>LENGTH (km)</b>	<b>DRAINAGE AREA (sq.km)</b>	<b>PROVINCIAL COVERAGE</b>	<b>CLASS</b>
Amburayan River	105	1,386	La Union, Ilocos Sur	C
Baroro River	28	191	La Union, Benguet	A
Naguilian River	55	353	La Union, Benguet	C
Aringay River	45	469	La Union and Benguet	B
Bued River	70	388	La Union, Benguet, Pangasinan	C

### 5. Mineral Resource

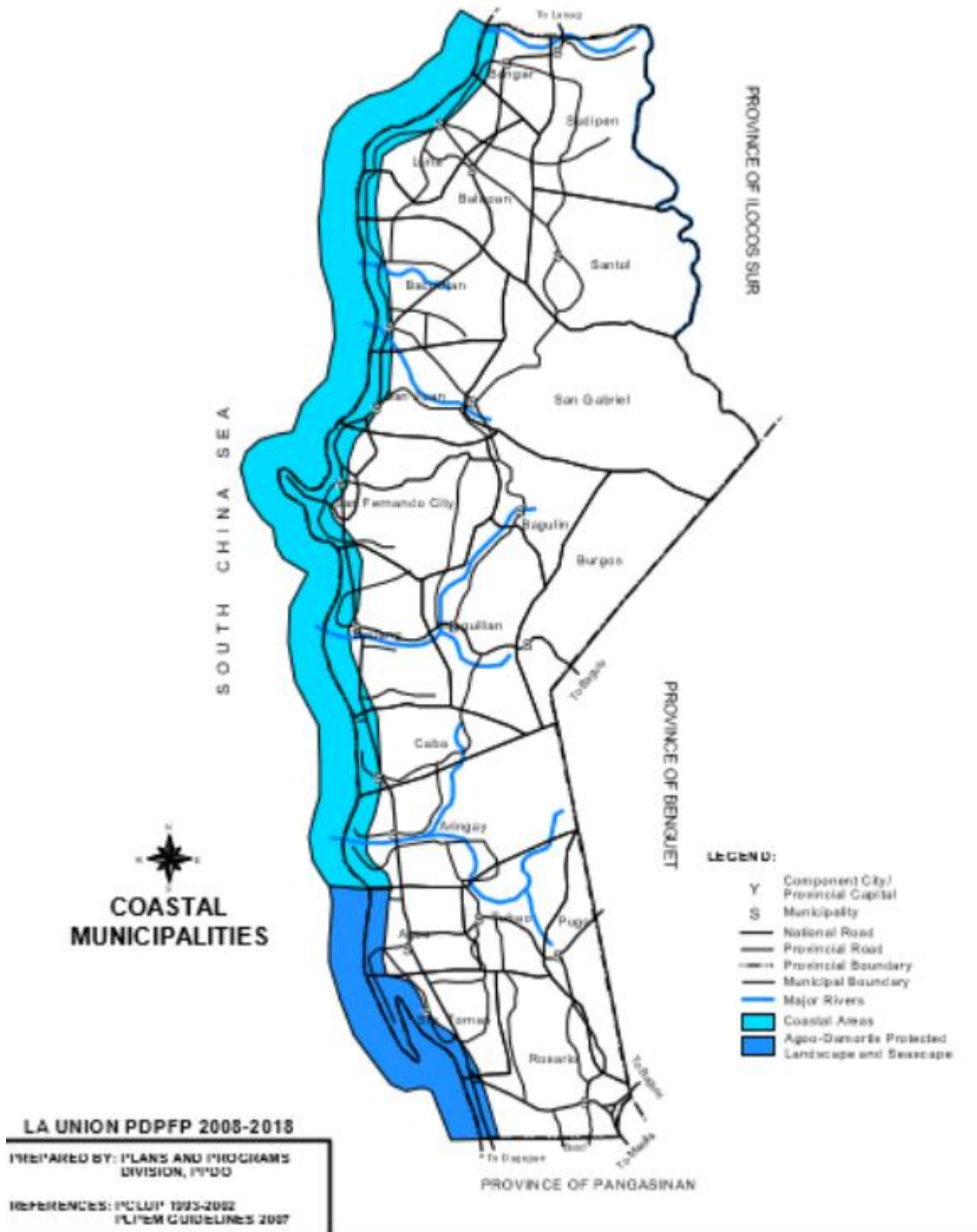
The province's mineral reserves of 308,678.28 thousand cu.m are largely non-metallic type consisting of limestone, sand and gravel pebbles. the aggregate mineral production valued at P4.38 million

### 6. Coastal Resources

The province's coast of 114.702 linear meters lies on the coastline from Rosario to Bangar. The great East to West transect line shows that La Union is a narrow strip of low land laid North to South. A total of 45,790.5 hectares of municipal waters is available for marine fishery production. The coastal area is being threatened by the downward flow of pollutants. By mere gravity, transect clearly shows that an uplands pollutant goes down to the lowland and combines with it. Its refuse, finally, drains down to the sea.



Map 15. Coastal Municipalities



## CHAPTER 2:

### INSTITUTIONAL ARRANGEMENTS

**Provincial Disaster Risk Reduction and Management Office.** The Provincial Disaster Risk Reduction and Management Office is structured as Mr. Aureliano F. Rulloda III (PDRRMO Department Head), Mr. Alvin A Cruz (Assistant Provincial Disaster Risk Reduction and Management Officer). It is splitted into five (5) units as to 1. Administrative and Financial Management Unit; 2. Capacity Development and Training Unit; 3. Research and Planning Unit 4. Warning and Dispatch Unit and 5. Operations and Logistics Unit.

**Legal Basis.** Under Republic Act No. 10121, Section 12. Local Disaster Risk Reduction and Management Office (LDRRMO) There shall be an LDRRMO in every province, city and municipality, and a Barangay Disaster Risk Reduction and Management Committee (BDRRMC) in every barangay which shall be responsible for setting the direction, development, implementation and coordination of disaster risk management programs within their territorial jurisdiction.

(a) the LDRRMO shall be under the office of the governor, city or municipal mayor, and the punong barangay in case of the BDRRMC. The LDRRMOs shall be initially organized and composed of a DRRMO to be assisted by three (3) staff responsible for (1) administration and training; (2) research and planning; and (3) operations and warning. the LDRRMOs and the BDRRMCs shall organize, train and directly supervise the local emergency response teams and the ACDVs.

(b) the provincial, city and municipal disaster risk reduction and management offices or barangay disaster risk reduction and management committees shall perform the following functions with impartiality given the emerging challenges brought by disasters of our times:

1. Design, program, and coordinate disaster risk reduction and management activities consistent with the national council's standards and guidelines;
2. Facilitate and support risk assessments and contingency planning activities at the local level;
3. Consolidate local disaster risk information which includes natural hazards, vulnerabilities, and climate change risks, and maintain a local risk map;
4. Organize and conduct training, orientation, and knowledge management activities on disaster risk reduction and management at the local level;
5. Operate a multi-hazard early warning system, linked to disaster risk reduction to provide accurate and timely advice to national or local emergency response organizations and to the general public, through diverse mass media particularly radio, landline communications, and technologies for communication with rural communities;
6. Formulate and implement a comprehensive and – integrated LDRRMP in accordance with the national, regional and provincial framework, and policies on disaster risk reduction in close coordination with the local development councils (LDCs);
7. Prepare and submit to the local sanggunian through the LDRRMC and the LDC the annual LDRRMO Plan and budget, the proposed programming of the LDRRMO, other dedicated disaster risk reduction and management resources, and other regular funding source's and budgetary support of the LDRRMO/BDRRMC;
8. Conduct continuous disaster monitoring and mobilize instrumentalities and entities of the LGUs, CSOs, private groups and organized volunteers, to utilize their facilities and resources for the protection and preservation of life and properties

- during emergencies in accordance with existing policies and procedures;
9. Identify and implement cost-effective risk reduction measures/strategies;
  10. Maintain a database of human resource, equipment, directories, and location of critical infrastructures and their capacities such as hospitals and evacuation centers;
  11. Develop, strengthen and operationalize mechanisms for partnership or networking with the private sector, CSOs, and volunteer groups;
  12. Take all necessary steps on a continuing basis to maintain, provide, or arrange the provision of, or to otherwise make available, suitably-trained and competent personnel for effective civil defense and disaster risk reduction and management in its area;
  13. Organize, train, equip and supervise the local emergency response teams and the ACDVs, ensuring that humanitarian aid workers are equipped with basic skills to assist mothers to breastfeed;
  14. Respond to and manage the adverse effects of emergencies and carry out recovery activities in the affected area, ensuring that there is an efficient mechanism for immediate delivery of food, shelter and medical supplies for women and children, endeavor to create a special place where internally-displaced mothers can find help with breastfeeding, feed and care for their babies and give support to each other;
  15. Within its area, promote and raise public awareness of and compliance with this act and legislative provisions relevant to the purpose of this act;
  16. Serve as the secretariat and executive are of the LDRRMC;
  17. Coordinate other disaster risk reduction and management activities;
  18. Establish linkage/network with other LGUs for disaster risk reduction and emergency response purposes;
  19. Recommend through the LDRRMC the enactment of local ordinances consistent with the requirement of this Act;
  20. Implement policies approved plans and programs of the LDRRMC consistent with the policies and guidelines laid down in this act;
  21. Establish a provincial/city/municipal/barangay disaster risk reduction and management operations center;
  22. Prepare and submit, through the LDRRMC and the LDC, the report on the utilization of the LDRRMF and other dedicated disaster risk reduction and management resources to the local commission on audit (COA), copy furnished the regional director of the OCD and the Local Government Operations Officer of the DILG; and
  23. Act on other matters that may be authorized by the LDRRMC.

(c) the BDRRMC shall be a regular committee of the existing BDC and shall be subject thereto. The punong barangay shall facilitate and ensure the participation of at least two

(2) CSO representatives from existing and active community-based people's organizations representing the most vulnerable and marginalized groups in the barangay.

**Administrative and Financial Management Unit.** The Administrative and Financial Management Unit headed by Mr. David Ken F. Salamanca (LDRRMO III) Designate Administrative Officer is subdivided into three (3) sections, 1. Administrative Management supervised by Ms. Rechel T. Torcedo (Administrative Officer I) 2. Human Resource Management supervised by Ms. Jennelee Joy H. Piza 3. Financial Management supervised by Ms. Thrian Hufana (Admin Aide I)

Mr. Harvey Javier (Laborer I), and Mr. Joel\_\_\_(C.O.S Personnel) aids the Administrative and Financial Management Unit in all aspects of office operations and managemet.

The administrative and financial management unit cut-across all administrative and financial

matters of the PDRRMO Department.

**Capacity Development And Training Unit** led by Ms. David Ken. F. Salamanca (LDRRMO III) , assisting supervisor Mr. Jay Gurion (LDRRM ASSISTANT).

Designated training instructors, Mr. Meldrick Sipalay (C.O.S Training Assistant), Mr. Rafael A. Lim (Administrative Aide IV), Mr. James H. Apillanes (Laborer I), Mr. Michael S. Nino (Laborer I), serves as training facilitators.

Technical staff aids on the assistance on the activities and programs of Capacity Development and Training Unit is designated to Mr. Eugene Nugal (Admin Aide I), Mr. Keen Claude Evans H. Turco ( C.O.S Training Assistant), Mr. Mark Andrew Cabanban ( C.O.S Training Assistant)

**Research and Planning Unit.** Headed by Ms. Christy Corpuz (OIC LDRRM Assistant) and assisting supervisor Ms. Karen Carmi Malig (Nurse III/Detailed).

Technical Staff aids on the assistance on the activities and programs of the Research and Planning Unit are Ms. Joline Bravo (C.O.S Research and Planning Assistant), and Ms. Kristina Joy H. Turco ( LDRRM Assistant)

The Research and Planning Unit Designs program and coordinate disaster risk reduction and management activities consistent with the National Council's standards and guidelines, consolidates local disaster risk information which includes natural hazards, vulnerabilities and climate change risks and maintains a local risk map, conducts research and development initiatives on DRRM/CCA, maintains a database of human resource and their capacities, equipment, directories and location of critical infrastructures such as hospitals and evacuation centers.

**Early Warning and Dispatch Unit** headed by Mr. Michael Angelo Dy Yaco ( LDRRMO II) Warning and Dispatch Chief and assistant supervisors Mr. Chris Vincent Sipalay (LDRRM Assistant) and Mr. Ronald Talagtag ( C.O.S LDRRM Aide).

The Warning and Dispatch Unit is subdivided into three divisions as to the:

1.) 911 PSAP with designated personnel Mr. Adrian C. Aragon (LDRRM Assistant) 911 Telecommunicator, Ms. Maria Recah Macagba (C.O.S 911 Telecommunicator), Mr. John Paul Sibayan (C.O.S 911 Telecommunicator), Mr. Felipe Collado (C.O.S 911 Telecommunicator). The respective designates ensure that 911 Emergency Calls are effectively and efficiently served.

2.) Rapid Emergency Telecommunicator with designated personnel Mr. Artemio Abenes Jr. ( Admin Aide IV), Mr. Carlo Hufana Jr. ( C.O.S Telecommunicator), Mr. Jayson John C. Rebalde (C.O.S Telecommunicator), Mr. Calvin Klein Calapati (C.O.S Telecommunicator), and Mr. Jonathan Timola (C.O.S Telecommunicator). The designates ensure rapid information dissemination and emergency dispatch through radio telecommunications.

3.) Alert Unit with designated personnel Ms. Lea de Guzman (C.O.S Telecommunicator), Ms. Pamela Balatar (C.O.S Telecommunicator), Ms. Aleira Balagot (C.O.S Telecommunicator), and Mr. Kaizar Iglesia (C.O.S Telecommunicator).

**Operations and Logistics Unit.** headed by Mr Bryan C. Joves (LDRRMO II), subdivided into three units as to 1.) Emergency Medical Services manned with ten (10) personnel. 2.) Emergency Vehicle Operator manned by 17 personnel, and 3.) Logistics Section manned by 4 personnel

RAPHAELLE VERONICA "RAFY" ORTEGA-DAVID Provincial Governor
AURELIANO F. RULLODA III Provincial Government Department Head
ALVIN A. CRUZ Provincial Government Assistant Department Head

**TRAINING AND CAPACITY DEVELOPMENT UNIT**

VACANT Local DRRM Officer III
DAVID KEN F. SALAMANCA Local DRRM Officer II
JAY V. GURION LDRRM Asst. (Training Officer)
RAFAEL A. LIM Administrative Aide IV (Training Instructor)
EUGENE G. NUCAL Administrative Aide I
JAMES H. APILANES Laborer I - Training Instructor
MICHAEL S. NIÑO Laborer I - Training Instructor
MARK ANDREW B. CABANBAN Contract of Service (Training Asst)
MELDRICK D. SIPALAY Contract of Service (Training Asst)
KEEN CLAUDE EVANS H. TURCO Contract of Service (Training Asst)
MICHAEL ANGELO N. TORRES Contract of Service (Training Asst)

**OPERATIONS AND LOGISTICS UNIT**

VACANT Local DRRM Officer III
<b>OPERATIONS SECTION</b>
BRYAN C. JOVES Local DRRM Officer II
<b>EMERGENCY MEDICAL SERVICES</b>
CHRISTINE PAULETTE P. NAVARRO Nurse I
RYANN R. MUNAR Nurse I
BRIAN KEITH F. SALAMANCA Nurse I
MARGIE ANN S. FLORAGUE Contract of Service (Medical)
MICHAEL JANU B. MOJICA Contract of Service (Medical)
MARLON I. MOISES Contract of Service (Medical)
RASHIDA MAY O. QUITOS Contract of Service (Medical)
BERNARD M. SANTOS Contract of Service (Medical)
HYCINTH JOY A. RICANOR Contract of Service (Medical)
VANESSA F. RIVERA Contract of Service (Medical)
<b>EMERGENCY VEHICLE OPERATOR</b>
PAUL WILFRED Q. BARADAS Admin Aide IV
RONALD C. CALAPATI Admin Aide IV
MARVIN N. CAMARAO Admin Aide IV
ERROL KURIGENO L. TOMOYUKI Admin Aide IV
EDWARD G. UMEL Admin Aide IV
JERRY H. CABADING Laborer I
EDWIN R. PIMENTEL Laborer I
EFREN A. PULIDO JR. Laborer I
ZEUS B. FERNANDEZ COS (Driver)
ERNESTO M. PADILLA COS (Driver)
RIC A. NISPEROS COS (Driver)
GARRY L. AQUINO COS (Driver)
RAMIL G. CAASI COS (Driver)
MICHAEL JOHN G. ALVIAR COS (Driver)
JAMES ESCONDE COS (Driver)
EDVIR RIELL I. NISPEROS COS (Driver)
ROMEL V. FEMENTEL COS (Driver)
<b>SEARCH, RESCUE AND RETRIEVAL</b>
ARNOLD C. Balcita Laborer I
EDGAR P. HUFANA Laborer I
JOEY F. TIQUI Laborer I
EDMUND A. PULIDO Laborer I
OLIVER B. ALMARIO Laborer I
CHRISTOPHER A. SANTOS COS (198)
JERICK B. BRAVO COS (198)
JOEFREY S. NIÑO COS (198)
RITCHAEL LOR P. MATIAS COS (198)
NIJEL BRADLEY G. MURILLO COS (198)
IAN O. BUTO COS (198)
JACK LAWRENZ O. VALDRIZ COS (198)
ANJO R. CANONO COS (198)
CHRISTIAN L. FLORES Job Order

**RESEARCH AND PLANNING UNIT**

KAREN CARM MALIG Research and Planning Unit Chief
CORPUZ, CHRISTY G. Local DRRM Officer II
KRISTINA JOY H. TURCO Local DRRM Assistant
JOLINE BRAVO Planning Assistant COS
JERIEL ERWIN M. MINA COS (LDRRMA)
LESTER JOSEF V. NAVARRO COS (LDRRMA)
KURT RUSSELL A. SALVATIERRA COS (LDRRMA)

**ADMINISTRATIVE UNIT**

NEW Administrative Officer V
TORCEDO, RECHEL T. Administrative Officer I
PIÑA, JENNELEE JOY H. Administrative Assistant II
TEAÑO, GIZELLE S. Administrative Aide I
HUFANA, THRIANN T. Administrative Aide I
AARON LEE Administrative Aide I
NOEL A. SANTOS Laborer I
RAYMUNDO A. CARINO Laborer I
HARVEY AUREO P. JAVIER JR. Laborer I
CHERI MAE H. BALANCIO COS (Admin Aide)
JAYSON C. GACAYAN COS (Admin Aide)
AGATON C. YARANON III COS (Admin Aide)
GIOVANI A. MAGBANUA COS (Watchman)
LEO S. MALLARE COS (Watchman)
ELMER B. NELANDA COS (Watchman)
MELCHOR I. RIVERA COS (Watchman)
WARREN F. CASIL LDRRM Assistant (COS)
LESTER O. VELOZO Laborer I (Office of the Vice Mayor)
FRANCISCO F. DEL ROSARIO Laborer I (Office of the Governor)
FRANCISCO FIRMORICO Laborer (SP)
ERVEN SILVERIE Laborer I (SP)
KRISTIAN JEFF SAMERA Laborer I (SP)

**TRAINING UNIT**

DAVID KEN SALAMANCA LOCAL DRRM III
JAY V GURION LDRRM ASSISTANT
RAFAEL LIM ADMIN AIDE IV
JAME APILANES LABORER I
MICHAEL S NIÑO LABORER I

EUGENE CARLO NUCAL ADMIN AIDE I
KEEN CLAUDE TURCO COS TRAINING ASSISTANT

MELDRICK SIPALAY COS TRAINING ASSISTANT
MARK ANDREW CABANBAN COS TRAINING ASSISTANT

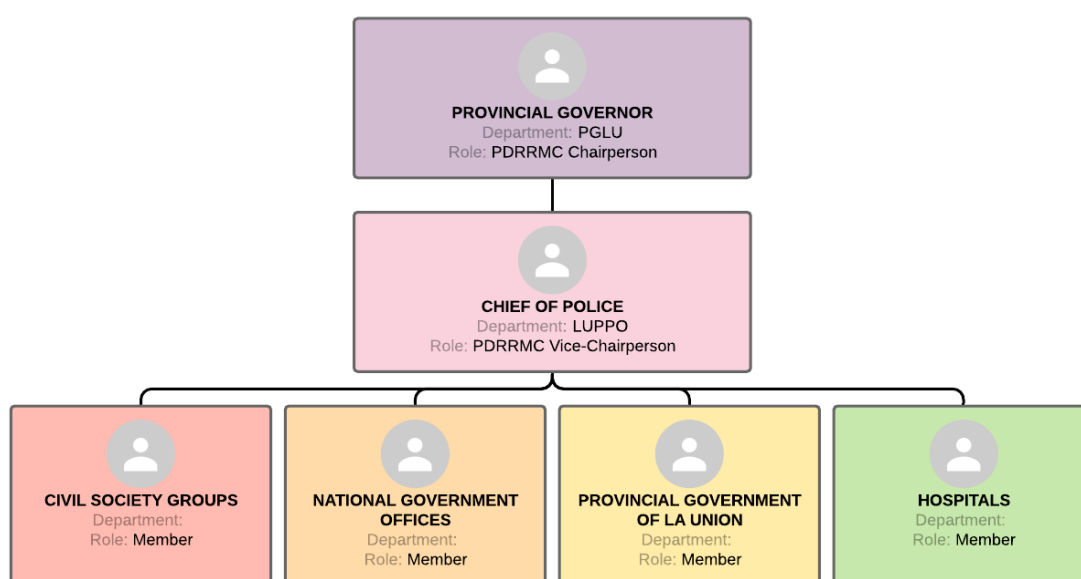
**WARNING AND DISPATCH UNIT**

NEW Local DRRM III
MICHAEL ANGELO D. DY YACO Local DRRM Officer II
CHRIS VINCENT D. SIPALAY Local DRRM Assistant
RONALD E. TALAGTAG COS (LDRRM Aide)
<b>911 PSAF</b>
ADRIAN CHRISTIAN A. ARAGON LDRRM Assistant (911 Telecommunicator)
MARIA BECAH A. MACAGBA COS (911 Telecommunicator)
JOHN PAUL G. SIBAYAN COS (911 Telecommunicator)
FELIPE A. COLLADO COS (911 Telecommunicator)
<b>RAPID EMERGENCY TELECOMMUNICATORS</b>
ARTEMIO A. ABENES JR. Admin Aide IV
CARLO C. HUFANA JR. COS (Telecommunicator)
JAYSON JOHN C. REBALDE COS (Telecommunicator)
CAVIN KUEN A. CALAPATI COS (Telecommunicator)
JONATHAN RAYMUND C. TIMOLA COS (Telecommunicator)
<b>ALERT</b>
LEA A. DE GUZMAN COS (Telecommunicator)
PAMELA S. BALATAR COS (Telecommunicator)
ALERA AILA C. BALAGOT COS (Telecommunicator)
KAIZAR P. IGLESIA COS (Telecommunicator)

DETAILED IN OTHER OFFICE

**Provincial Disaster Risk Reduction and Management Council** – At the local level, it is the primary duty of the Provincial Disaster Risk Reduction and Management Council (PDRRMC) to:

- (1) approve, monitor and evaluate the implementation of the LDRRMPs and regularly review and test the plan consistent with other national and local planning programs;
- (2) ensure the integration of disaster risk reduction and climate change adaptation into local development plans, programs and budgets as a strategy in sustainable development and poverty reduction;
- (3) recommend the implementation of forced or pre-emptive evacuation of local residents, if necessary; and
- (4) convene the local council once every three (3) months or as necessary.



Organizational Chart No. 10: Provincial Disaster Risk Reduction and Management Council

There are four (4) categories for Provincial Disaster Risk Reduction and Management Council members, the following are as follows: 1. Civil Society Groups, 2. National Government Offices, 3. Provincial Government La Union and 4. Hospitals.

**Civil Society Groups.** Member: The Philippine Red Cross

**National Government Office.** Members: Department of Education, Armed Forces of the Philippines Northern Luzon Command, Bureau of Fire Protection, Department of Interior and Local Government, Department of Trade and Industry, Department of Interior and Local Government, Department of Environment and Natural Resources, Department of Science and Technology, Department of Labor and Employment, Department of Public Works and Highways, National Irrigation Authority

**Provincial Government of La Union.** Members: Office of the Provincial Governor, Provincial Planning and Development Office, Provincial Engineering Office, Office of the Provincial Agriculturist, Provincial Budget Office, Office of the Veterinarian, Provincial Accounting Office, Office of the Provincial Treasurer, Provincial Information Office and Provincial Legal Office. Secretary to the Sanggunian Panlalawigan, Committee on Environment and Energy, Committee on Disaster Preparedness and Management and Relief Services, Liga ng mga

Barangay and League of Municipalities.

**Hospitals.** Members: Balaoan District Hospital, Bacnotan District Hospital, Naguilian District Hospital, Caba District Hospital, Rosario District Hospital, La Union Medical Center, Ilocos Training and Regional Medical Center. LORMA Medical Center, La Union Medical Diagnostic Center, Bethany Hospital and Cicosat Hospital.

## CHAPTER III: RISK PROFILE

### 3.1. ALL HAZARD

#### WORLD RISK REPORT 2019

In Asia, the risk comparison of the continents Asia ranks fourth and remains well below the global median. For 42 countries, the continent has a median of 5.77 for the WorldRiskIndex. Four Asian countries are among the highest risk countries – Philippines (20.69), Bangladesh (18.78), Timor-Leste (16.37) and Cambodia (15.13). However, numerous Asian countries also perform particularly well in the World Risk Index, for example Qatar with the lowest risk worldwide. Saudi Arabia, Maldives, Singapore, Oman, Bahrain, Mongolia, South Korea and Israel also bear a very low risk. There are very large differences in exposition within Asia, which are also responsible for the different placements in the WorldRiskIndex: Philippines, Japan, Bangladesh, Timor-Leste, Cambodia and Vietnam are in the Highest exposure class, while Qatar, Saudi Arabia, Maldives, Oman and Bhutan have the lowest exposures. In terms of vulnerability, the picture is mixed: only a few Asian countries are represented among the highly vulnerable countries – including Yemen, Afghanistan and the Comoros.

Table 1. World Risk Report 2019 (Regional)

COUNTRY/ GROUP	RISK	EXPOSURE	VULNERABILITY	SUSCEPTIBILITY	LACK OF COPING	LACK OF ADAPTATION
Africa	8.94	13.57	62.98	50.30	84.39	55.04
America	7.52	16.37	44.37	23.58	74.97	33.24
<b>Asia</b>	<b>5.77</b>	<b>12.32</b>	<b>44.80</b>	<b>23.46</b>	<b>76.66</b>	<b>36.57</b>
Europe	3.30	11.51	30.18	16.15	57.68	20.00
Oceania	16.24	29.03	49.46	31.15	79.81	42.93
<b>Worldwide</b>	<b>6.49</b>	<b>13.16</b>	<b>45.42</b>	<b>23.77</b>	<b>75.61</b>	<b>36.41</b>

The majority of Asian countries have medium or low vulnerability. The example of Japan clearly shows that very low vulnerability can lead to a significant reduction in risk. Due to its low vulnerability (23.6; rank 173), despite its extremely high exposure (39.94; rank 9), Japan is ranked 54<sup>th</sup> in the World Risk Index and thus not in the highest risk class. In Southeast Asia however, there is a risk hotspot, because a high exposure meets a high vulnerability.



## **DISASTER RISK**

It is the combination of the probability of an event and its negative consequences. Risks arise from the combination of hazards, exposure of people and assets to the hazards and their vulnerabilities and coping capacities at a particular location. Disaster risk results from the complex interaction between development processes that generate conditions of exposure, vulnerability and hazard. It is therefore considered as the combination of the severity and frequency of a hazard, the numbers of people and assets exposed to the hazard, and their vulnerability to damage. Assessments of these risks require systematic collection and analysis of data and should consider the dynamics and compounding impacts of hazards coupled with vulnerabilities resulting from unplanned urbanization, changes in rural land use, environmental degradation and climate change.

## **HAZARD/EXPOSURE**

A hazard is a process, phenomenon or human activity that may cause loss of life, injury or other health impacts, property damage, social and economic disruption or environmental degradation. Hazards may be natural, anthropogenic or socionatural in origin. Natural hazards are predominantly associated with natural processes and phenomena. Anthropogenic hazards, or human-induced hazards, are induced entirely or predominantly by human activities and choices. This term does not include the occurrence or risk of armed conflicts and other situations of social instability or tension which are subject to international humanitarian law and national legislation. Several hazards are socionatural, in that they are associated with a combination of natural and anthropogenic factors, including environmental degradation and climate change.

Hazards may be single, sequential or combined in their origin and effects. Each hazard is characterized by its location, intensity or magnitude, frequency and probability. Biological hazards are also defined by their infectiousness or toxicity, or other characteristics of the pathogen such as dose-response, incubation period, case fatality rate and estimation of the pathogen for transmission. Hazards include (as mentioned in the Sendai Framework for Disaster Risk Reduction 2015-2030, and listed in alphabetical order) biological, environmental, geological, hydrometeorological and technological processes and phenomena.

## **VULNERABILITY**

Vulnerability refers to characteristics determined by physical, social, economic and environmental factors or processes which increase the susceptibility of an individual, a community, assets or systems to the impacts of hazards. Vulnerability varies significantly within a community and over time. This definition identifies vulnerability as a characteristic of the element of interest (community, system or asset) which is independent of its exposure. However, in common use the word is often used more broadly to include the element's exposure. In actual fact, vulnerability depends on several factors, such as people's age and state of health, local environmental and sanitary conditions, as well as on the quality and state of local buildings and their location with respect to any hazards.

There are many aspects of vulnerability, arising from various physical, social, economic, and environmental factors. Examples may include: poor design and construction of buildings; inadequate protection of assets; lack of public information and awareness; limited official recognition of risks and preparedness measures; and disregard for wise environmental management.

## **SUSCEPTIBILITY**

Susceptibility means "the state of being susceptible" or "easily affected." In natural hazards

terms, susceptibility is related to spatial aspects of the hazard. It refers to the tendency of an area to undergo the effects of a certain hazardous process (e.g., floods, earthquakes, tsunamis, subsidence, etc.) without taking into account either the moment of occurrence or potential victims and economic losses.
































### **COPING**

Coping with natural hazards includes various abilities of societies to minimize negative impacts of natural hazards and climate change by means of direct actions and available resources. Coping capacities include measures and capabilities that are immediately available during an incident to mitigate damage. For the calculation of the WorldRiskIndex, the opposite value, in other words, the lack of coping capacities, is used.

### **ADAPTATION**

Adaptation is understood as a long-term process that also includes structural changes (Lavell et al. 2012; Birkmann et al. 2010) and includes measures and strategies that deal with the negative impacts of natural hazards and climate change in the future. In analogy to coping capacities, the lack of adaptive capacities is included in the WorldRiskIndex, which is the value 1 minus adaptive capacities.

Table 2 . Excerpt from the WorldRiskIndex 2022

Rank	Country		Risk
1.	Philippines		46.82
2.	India		42.31
3.	Indonesia		41.46
4.	Colombia		38.37
5.	Mexico		37.55
6.	Myanmar		35.49
7.	Mozambique		34.37
8.	China		28.70
9.	Bangladesh		27.90
10.	Pakistan		26.75
11.	Russian Federation		26.54
12.	Vietnam		25.85
13.	Peru		25.41
14.	Somalia		25.07
15.	Yemen		24.26
...			...
101.	Germany		3.92
...			...
179.	Maldives		1.02
180.	Nauru		1.00
180.	Czech Republic		1.00
180.	Slovakia		1.00
183.	Hungary		0.97
184.	Bahrain		0.95
185.	Malta		0.94
186.	Belarus		0.83
187.	Singapore		0.81
188.	Liechtenstein		0.79
189.	Luxembourg		0.52
190.	Sao Tome and Principe		0.48
191.	San Marino		0.38
192.	Andorra		0.26
192.	Monaco		0.26

## THE PHILIPPINES

The geographical location of the Philippines makes the country uniquely exposed to a plethora of hazards, including recurrent typhoons, earthquakes and 53 active volcanoes, eruptions of which are classified as the deadliest and costly globally (Doroteo, 2015). The subduction zone between the two tectonic plates (Eurasian and Pacific) creating the seismic activity in the region are predicted to have the capacity to generate major earthquakes in the near future, and in the vicinity of metropolitan cities (Pailoplee & Boonchaluyay, 2016). Other hazards include floods, landslides, tsunamis and wildfires, all of which are occurring at a frequency which has fundamentally changed the perception of hazards in the country.

Disasters in the past, measured during the period 1900-2014, illustrate extreme spatial variability. Frequency and the extent of impacts are unevenly distributed across the regions, with the majority of the events affecting Central Luzon, Cordillera Administrative Region and the Central Visayas (Doroteo, 2015).

On average, about 20 tropical cyclones enter the Philippines waters each year, with approximately eight or nine making landfall (ESCAP/WMO, 2009; Bankoff, 2003). They are also the largest contributors to disaster damage. Of all the disasters, cyclones and the accompanying landslides, storm surges and floods have caused the largest losses of life and property (Hugen & Jens, 2006; Bankoff, 2003), mostly because the majority of the population is living within 60km from the coast. However, 80% of all the damages and deaths caused by typhoons between 1970-52014 have been caused by 6 super-scale events, Haiyan included (Espada, 2018). Based on the vulnerability studies, the most vulnerable regions to tropical cyclones in the country are the National Capital Region (NCR), Southern Tagalog, Cagayan Valley, Central Luzon, the Cordillera Administrative Region, and Bicol Province (Cruz, et al., 2017). Visayas and Mindanao are likewise becoming more at risk due to an increasing number of tropical cyclones entering the southern part of the country.

Furthermore, the varying geomorphology affects the distribution of hazards. For example, the Baguio district is the most landslide prone region due to highest recorded rainfalls resulting from the interaction of the monsoon season, cyclones, and the orographic lifting of air by the Cordillera mountains (Nolasco-Javier, et al., 2015). Severe, recurrent flooding on the other hand is common in the lowland areas (Bankoff, 2003). Earthquakes also tend to have their unique characteristics depending on the local context. Seismic activity produces severe secondary impacts in areas with cohesionless soil conditions. Liquefaction is a significant concern in central Luzon, especially in the provinces of Pangasinan and Tarlac (Bankoff, 2003). Extremely destructive earthquakes and associated tsunamis have been known to occur during the known history and are a likely threat in the future.

In terms of climate, the Philippines is among the top countries at risk of adverse impacts of climate change due to sensitive ecological systems (including reef and marine fauna), large numbers of coastal populations and exposure to frequent weather extremes which are likely to grow in intensity. Climate change effects are considered to be a key factor contributing to the occurrence of stranger typhoons, sea-level rise, and elevated storm surges in coastal regions.

Intensified storm surges are predicted to affect more than 40% of the coastal population living in informal settlements and they are likely to face the first impacts of increased storm surges and flooding (CFE-DM, 2018).

Studies indicate that temperature and precipitation have increased steadily during the past six decades, and temperature extremes are becoming more frequent (Cinco, et al., 2014). Data also illustrates temporal and spatial variability of rainfall which has unique regional characteristics of increased precipitation in western and central regions. However, the country has undergone an overall climatological drying trend outside of the monsoon (Villafuerte, et al., 2014). These changes are reflected in rice production losses, as the crops are most sensitive to temperature changes, and to some extent, to typhoons and excessive flooding. Production variability in the past has largely correlated with soil moisture changes (Stuecker, et al., 2018), indicating that future droughts may pose the highest risk to crop yields and thus to national food security. Conversely, increased monsoonal precipitation will likely increase the risk of flash flooding and landslides.

Nearly half of the population is residing in urban centers, 25% of which in the capital alone. Massive urban sprawl has expanded the metropolis of Manila into the Greater Manila Area, now covering parts of the neighboring provinces as well. This expanded metropolitan area has a population of about 25 million. (The Centre of Expertise on Asia, 2016).

Informal settlement and unplanned city expansion are prevalent issues, resulting in urban congestion as well as compounding physical, social and environmental vulnerabilities to hazards in the National Capital Region (NCR). Rapid urbanization, conversion of agricultural lands to residential areas and concreting open spaces have resulted in the loss of topsoil and destruction of the natural ecosystems, which drastically reduce the ground's capacity to absorb water (OCD-NDRRMC, 2015). This will further exacerbate the impacts of heavy rainfall and flooding.

An estimated one third of the inhabitants of Metro Manila reside in informal settlements, where inadequate housing and lack of infrastructure are often highlighted as the most prevalent issues (Morin, et al., 2016). Demographic growth and urbanization have also affected the provision of service, resulting in inadequate solid waste management among other issues. The urban poor are also often highly vulnerable to natural hazards, partly due to rapid urban growth and lack of tenure which have forced many to inhabit hazard-prone areas such as flood plain, riverbanks, the coasts and on steep slopes (Swiss NGO DRR Platform, 2014).

Coastal areas are also increasingly exposed and vulnerable to the impacts of climate and sea-level rise, impacts of which are only exacerbated by the environmental degradation (pollution, habitat, destruction, and erosion) prevalent in resource-rich coastal communities (Sales Jr., 2009). Thus, disaster and climate resilient urban development is crucial to safeguard people and sustainable development, especially in major cities like Metro Manila, which contributes to about 35% of the Philippine Economy (The World Bank, 2017).

Poverty in the Philippines is characterized by distinct spatial and individual disparities; poorest provinces are located in the southern regions of the country and the poor households are also very heterogeneous in nature. The poor, depending on their background, location and gender, are affected by various observable economic and natural shocks such as fuel prices, varying rainfall, or natural hazards, and for many education is the determining factor of future income and economic status (Mina & Imai, 2016). This is an important consideration given the evidence indicating that even small-scale recurrent disasters, such as periodical flooding, can have negative impacts on education, especially for students from low-income backgrounds (Cadag, et al., 2017; Save the Children, 2016). This observation indicates that a cycle has been forming between disasters, hindered education, subsequent increased likelihood for poverty and thus, increased vulnerability.

The impacts of climate change and environmental degradation do not impact the populations equally. Among various socioeconomic groups in coastal communities, especially small-scale enterprising poor such as fishers and shellfish gatherers, have been found to be most vulnerable to coastal flooding, coastal erosion and saltwater intrusion (Sales Jr., 2009). This is due to increasing coastal hazards, lack of household resources, environmentally dependent sources of livelihoods and exposure to frequent hazards, among other factors. Small-scale farmers are the other most vulnerable group; household levels often carry the brunt of disaster impacts, suffering from food insecurity and other ripple effects due to lack of diverse coping strategies (Danilo & Roehlano, 20012; Anttila-hughes & Hsiang, 2013).

Some vulnerabilities have strong gendered characteristics, as men's and women's vulnerability to disaster is influenced by cultural norms and perceptions influencing gendered behavior. For example, evidence from the Central Philippines suggests that cultural norms and perceptions of modesty significantly lower the swimming capabilities of women and girls, which also has a transgenerational effect (Hunter, et al., 2016).

The paradigm shift emphasizing economic development through effective utilization of resources has jeopardized the physical and natural reserves in certain regions. Strategic resources from upland, lowland, and coastal areas have experienced negative impacts as a result of industrial development, such as mining. Threats to natural protective shields, including mangroves, watersheds, forest covers, and topsoil (OCD-NDRRMC, 2015), cause profound impacts on people's lives, livelihoods, food security, health and well-being.

Due to growing informal urban settlements, proliferation of substandard materials and poor construction is still observed in many areas. It increases the vulnerability to earthquakes and flooding, as well as increases the probability of WASH related diseases to occur due to lack of infrastructure, poor drainage systems and lack of sanitation (Morin, et al., 2016). Many low-lying coastal communities are habitually exposed to flooding, and numerous housing units are often built with wood on pile foundations, covered by sheet metal and plastic, all of which are inadequate to withstand typhoon (or earthquake) impacts (Morin, et al., 2016).

The mangrove ecosystems, one of the best buffers against typhoons, coastal flooding and storm surges, have been severely deteriorated (Ida Gabriellsson, 2018). The Philippines has lost hundreds of thousands of hectares of mangroves in the last century, as a result of rampant conversion of natural space to the use of agriculture, fish ponds, and aquaculture. Also, the forests have been degrading due to extensive use of mangrove for timber and fuel, and due to the expansion of coastal settlements. Large scale mining development has been found to be another source of environmental degradation, and they may potentially enhance the process resulting in the loss of rural livelihoods (Holden, 2015).

## **THE PROVINCE OF LA UNION**

Geographically, La Union sits in the center of Ilocos Sur, Baguio and Pangasinan. The western side of La Union is bounded by the Lingayen Gulf and the West Philippine Sea. Easter towns of Tubao, Pugo, Burgos, Bagulin, Santol and Sudipen are flatlands and agricultural areas which are susceptible to floods due to the overflowing of rivers and land erosion. In some areas in the south-western part, the towns of Santo Tomas, Agoos, Aringay and part of Caba and Bauang are susceptible in liquefaction.

## HYDRO-METEOROLOGICAL HAZARDS

Weather Disturbance including localized thunderstorms are considered primary hazards. Secondary hazards may develop under these circumstances, Flooding, Landslide and Storm surges are classified as its secondary hazards.

Table 3. Hydro-Meteorological Hazards

HYDRO - METEOROLOGICAL HAZARD			
CITY/MUNICIPALITY	HYDRO - METEOROLOGICAL HAZARD INDUCED FLOODING	HYDRO - METEOROLOGICAL HAZARD INDUCED LANDSLIDE	HYDRO - METEOROLOGICAL HAZARD INDUCED STORM SURGE
Agoo			
Aringay			
Bacnotan			
Bagulin			
Balaoan			
Bangar			
Bauang			
Burgos			
Caba			
Luna			
Naguilian			
Pugo			
Rosario			
San Fernando City			
San Gabriel			
San Juan			
Santol			
Sto. Tomas			
Sudipen			
Tubao			

## HYDRO-METEOROLOGICAL HAZARD INDUCED FLOODING

Flooding is the inundation of land areas which are not normally covered by water. It is usually caused by a temporary rise of water level of a river, stream or other water course, inundating

adjacent lands or flood-plains. The three (3) types of flooding according to location are the river flooding, coastal and urban flooding while there are two types when it comes to duration, the flash flood (upstream floods) and the sheet flooding or what we call downstream flooding.

La Union is considered prone to flooding. In fact, during Typhoon 'Pepeng', the province experienced flooding in most of its towns. Thirteen (13) municipalities and one (1) city which includes Agoo, Aringay, Banotan, Balaoan, Bangar, Bauang, Caba, Luna, Naguilian, Rosario, San Fernando City, San Juan, Santo Tomas, and Sudipen.

Flooding occurs usually from the overflowing of river systems like the Amburayan River affecting the towns of Bangar and Sudipen. Borobor River flooding Luna to Bangar. Baroro River flooding San Juan and Bacnotan. The Aringay River affecting the town of Aringay. Naguilian River affecting the municipalities of Naguilian and Bauang. Bued River affecting Rosario.

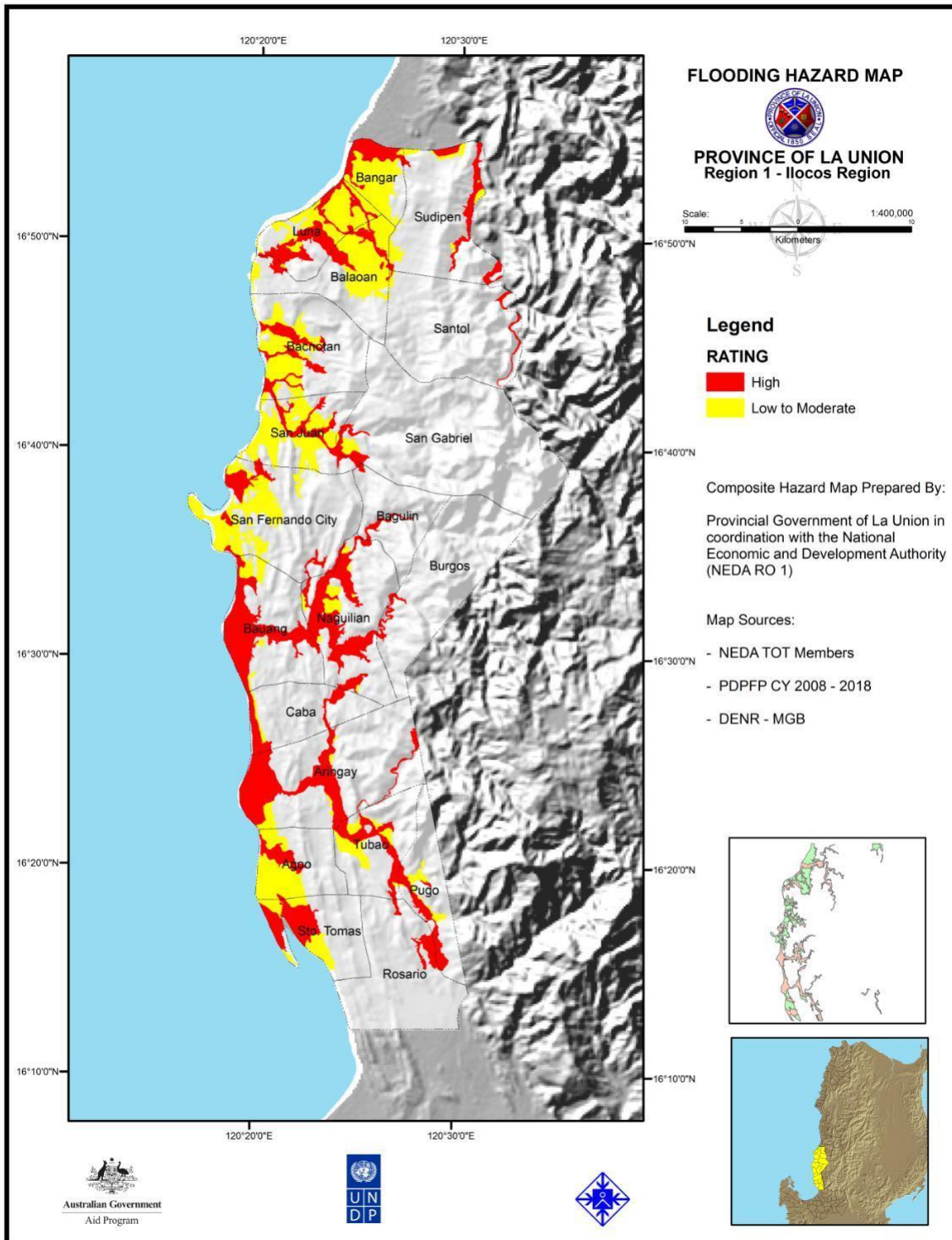
In urban areas, more specifically in the City of San Fernando, flood is also evident but is caused by clogged/ineffective drainage systems.

The worst case scenario for Hydro-meteorological induced flooding based on PAGASA's threshold of 480mm of rainfall per day may affect the whole province in general. Among the municipalities of La Union, Bangar and Luna will likely be the most affected in terms of flooding with an affected population of 24,455 and 24,850 respectively or 70 percent of their total population. However, most of the population affected will likely be in the City of San Fernando being the regional capital and business center of the province at 43,835 exposed population or 38 percent of its total population. Overall, about 60.75 percent of the total flood built-up towns of 11,355 hectares will be affected.

The agriculture sector in the province will be prone to flooding wherein 62 percent of the total agriculture area will be affected.



Map 1. Flooding Hazard Map, Province of La Union



## HYDRO-METEOROLOGICAL HAZARD INDUCED LANDSLIDE

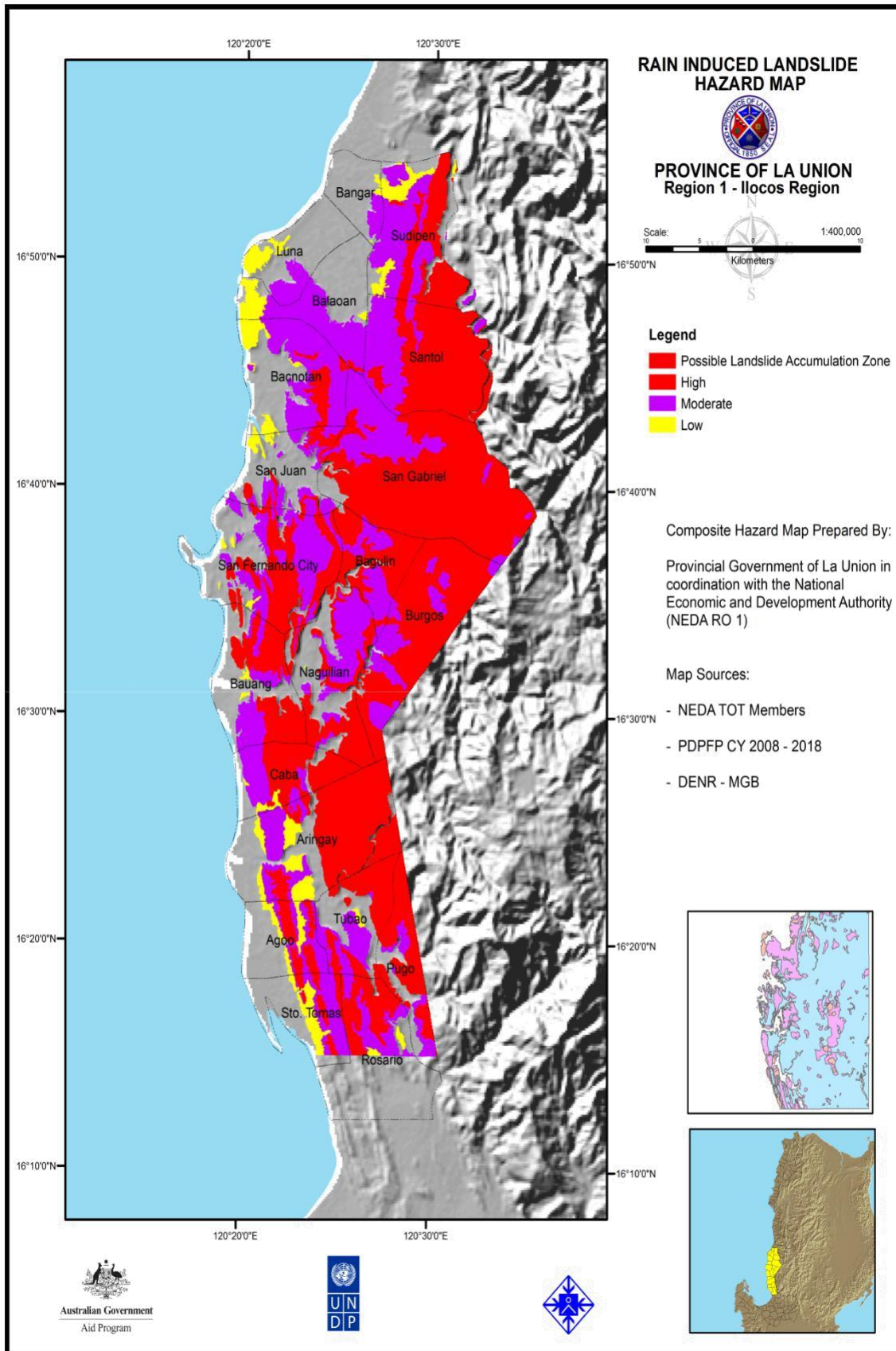
Landslides are most common in tropical regions where the climatic condition is governed by wet and dry seasons. Shrinkage of soil during the dry season leads to the development of tension cracks on the surface of a certain slope. Water infiltration through tension cracks and during wet season may cause landslides.

With the province's topography, it is very much prone to landslides. During typhoon 'Pepeng' too much rain caused landslides in most areas in the province where some lives perished. Severe typhoons caused some landslides that render roads impassable.

Around 463,024 persons or 62 percent of the total population of the province will likely be affected by landslides. The upland municipalities of San Gabriel affecting 12,800 persons or 77 percent of its total population, Burgos affecting 75 percent of its population and Santol with a 70 percent affected population will likely be the most affected in terms of population exposure percentage in highly susceptible areas. In total, 31 percent of the total built-up areas in the province will possibly be affected.

The predominantly hilly terrain of the province made it prone to rain induced landslides that may cause damage to the agriculture sector. Thirty-one percent (31%) of the total agriculture will be affected.

Map No. 2: Rain Induced Landslide Hazard Map

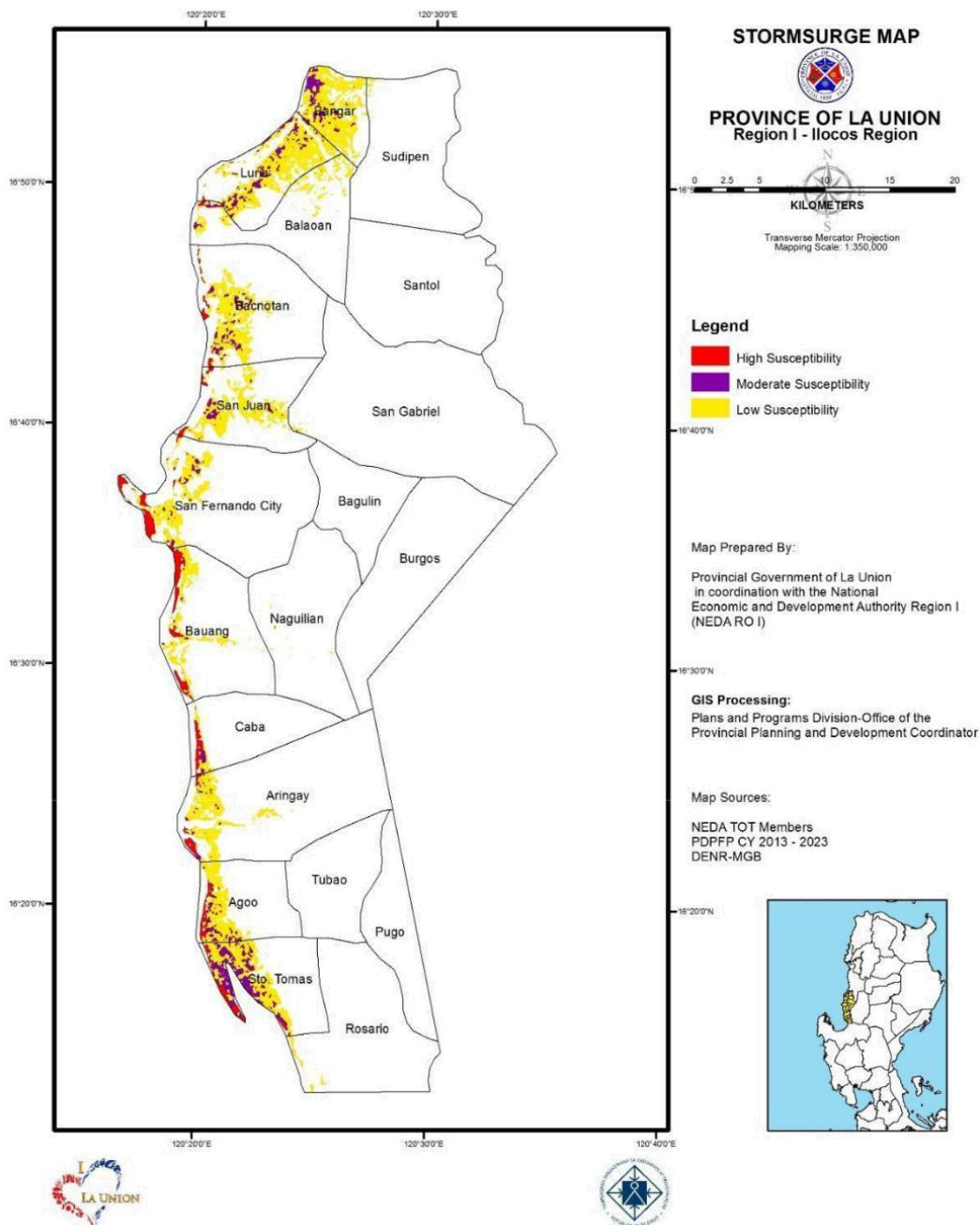


## HYDRO-METEOROLOGICAL HAZARD INDUCED STORM SURGE

Storm surge occurs when water is pushed toward the shore by the force of winds swirling around a storm. La Union, having eleven coastal municipalities and one coastal city is also considered prone to storm surge. A total of 144,858 persons or about 15 percent of the total population of the province will likely be affected in the event of a storm surge.

Built-up areas will experience damage to their agriculture sector. Of the total agriculture areas of the province, 27 percent will be affected.

Map No. 3: Storm Surge Map



## GEOLOGICAL HAZARD

With the geologic setting or proximity of faults and trenches in La Union, the province is said to be prone to earthquake related hazards.

One of which was the July 16, 1990 earthquake with an epicenter at Digdig Fault. That is why our province was highly affected during the 1990 earthquake. In this connection, the Rapid Earthquake Damage Assessment System (REDAS) simulations have used four (4) epicenters for us to see the possible effects when an earthquake will occur. Nearby faults may be used to simulate the earthquake in the province.

The first scenario has an epicenter in Mountain Province with a longitude of 120.5075 and latitude of 16.4915 affecting the Tubao Fault with a magnitude of 7.3 and a depth of 2 kilometers. The second epicenter is located in Nueva Ecija with a longitude of 121.161 and latitude of 15.661 affecting Digdig Fault with a magnitude of 7.9 and a depth of 2 kilometers. This is the epicenter of the 1990 Luzon earthquake that caused huge damages to the province. The third scenario, it has an epicenter in San Manuel, Pangasinan with a longitude of 123.69175 and a latitude of 16.07975, magnitude of 7.0 and a depth of 2 kilometers, while the fourth scenario has an epicenter in San Jose Fault with Longitude of 120.8175 and Latitude of 16.1015 and a magnitude of 6.9 and a depth of 2 kilometers.

The province experienced massive damage during the 1990 Luzon Earthquake affecting Agoo which took the most damage. Some parts of Santo Tomas and Aringay experienced liquefaction.

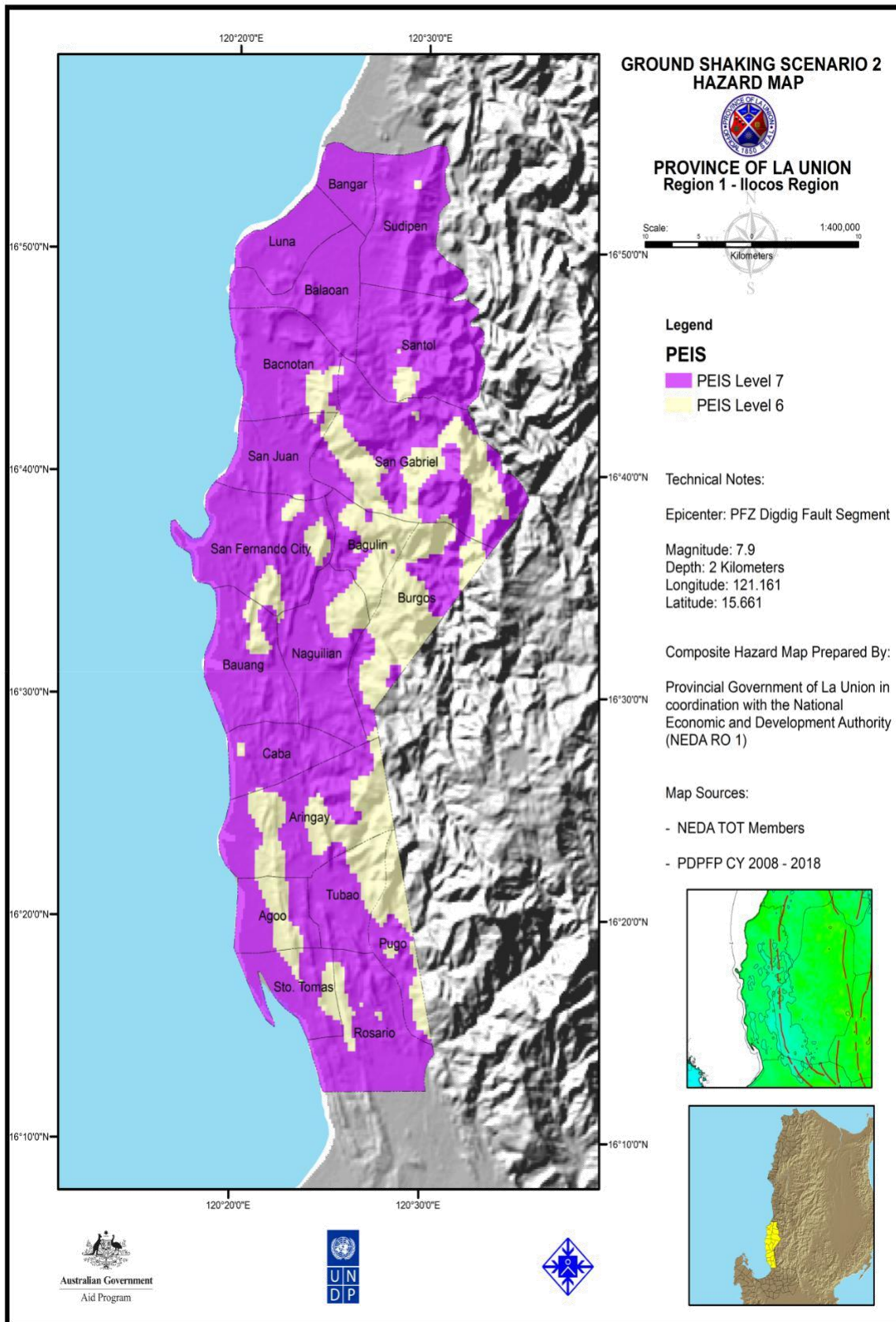
Table No. 4: Geologic Hazards

GEOLOGICAL HAZARD			
CITY/MUNICIPALITY	GEOLOGICAL HAZARD INDUCED LANDSLIDE	GEOLOGICAL HAZARD INDUCED LIQUEFACTION	GEOLOGICAL HAZARD INDUCED TSUNAMI
Agoo			
Aringay			
Bacnotan			
Bagulin			
Balaoan			
Bangar			
Bauang			
Burgos			
Caba			
Luna			
Naguilian			
Pugo			
Rosario			

San Fernando City			
San Gabriel			
San Juan			
Santol			
Sto. Tomas			
Sudipen			
Tubao			



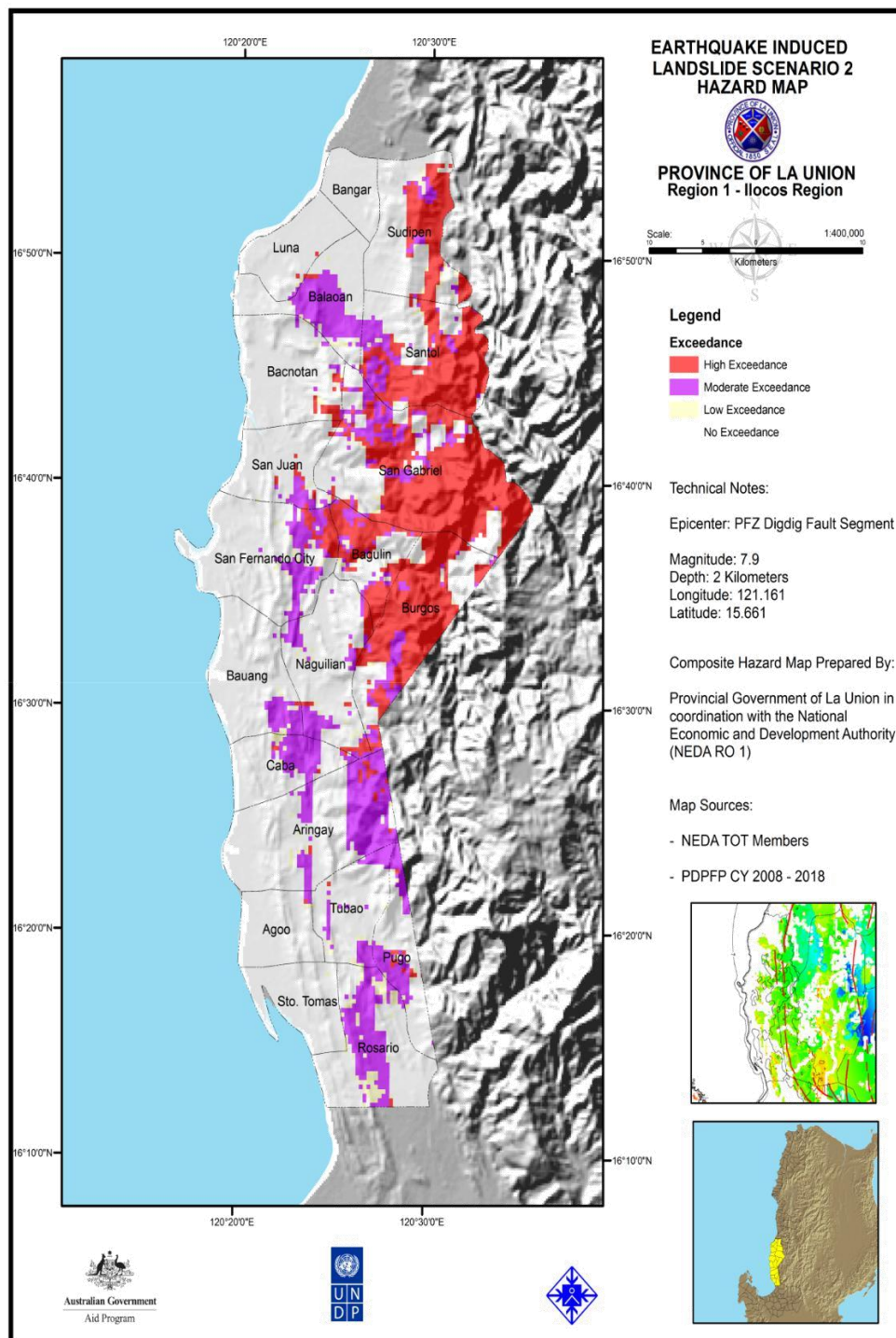
Map No. 4: Ground Shaking Scenario 2 Hazard Map



## GEOLOGIC HAZARD INDUCED LANDSLIDE

The province with its hilly terrain on the eastern part made it susceptible to landslides when an intense ground shaking happens. Simulated scenario earthquake with an epicenter in Nueva Ecija affecting the Digdig Fault, the Province will incur earthquake induced landslides in almost all of its municipalities. A total of 172,766 potentially affected population or 23 percent of the total population of the province will likely be affected.

Map No. 5: Earthquake Induced Landslide Scenario 2 Hazard Map





## **GEOLOGIC HAZARD INDUCED LIQUEFACTION**

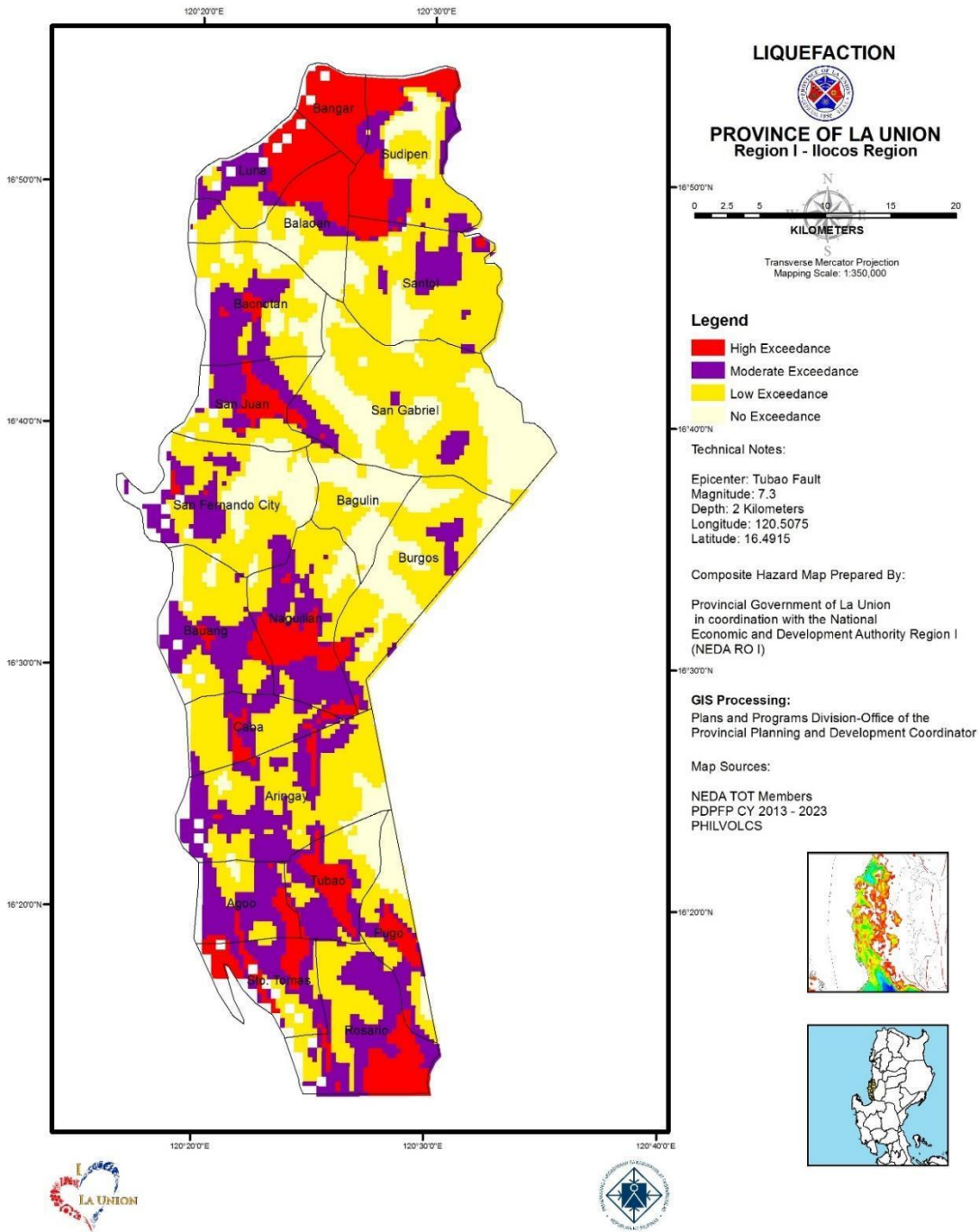
This is the condition when the ground loses strength due to intense ground shaking and structures built on top of it may sink and tilt. At risk are places with high water content such as old river channels, swamps, river banks, abandoned rivers, coastline and floodplains. Seventeen (17) municipalities and the City of San Fernando are susceptible to liquefaction using the epicenter of the July 16, 2990 earthquake. The municipalities of Agoo, Aringay, Caba, Naguilian, Rosario, San Gabriel, Santo Tomas and Tubao will have a low susceptibility while Bacnotan, Bauang, San Juan, Santol and the lone City will experience a low to moderate susceptibility in terms of liquefaction. The municipalities of Balaoan, Bangar, Luna and Sudipen on the other hand will experience low to high susceptibility.

## **EARTHQUAKE INDUCED TSUNAMI**

The Philippine archipelago is surrounded by active trenches which brought a constant threat of tsunami practically in all the coasts of our country. For the province of La Union it is bounded in the west by the west Philippine sea and is facing the Manila trench that makes our province susceptible to tsunami when an earthquake takes place. Tsunamis have great erosional potential, stripping beaches of sand that may have taken years to build up and undermining trees and other coastal vegetation. It is also capable of inundating inland past the typical high-water level. This moving water associated with the inundating tsunami can crush homes and other coastal structures. Tsunamis may reach a maximum vertical height onshore above sea level, often called a run-up height depending on the intensity of an earthquake.

In the event of a tsunami, the towns of Agoo, Aringay, Bacnotan, Balaoan, Bauang, Bangar, Caba, Luna, Rosario, San Fernando City, San Juan, Santo Tomas, Sudipen will be at risk.

Map No. 6: Geologic Hazard Induced Liquefaction



## EMERGING INFECTIOUS DISEASES

On December 31, 2019, a clustering of pneumonia cases of unknown etiology was reported in Wuhan City, Hubei Province of China. Cases were identified between December 8, 2019 and January 2, 2020. As of January 5, 2020, there were 59 identified with the remaining seven (7) severely ill.

On January 9, 2020 Chinese health authorities reported that the cause of this viral pneumonia was preliminarily identified as a novel (or new) type of coronavirus (2019-nCoV), which is different from any other human coronaviruses discovered so far.

As of July 11, 2022, there are 31, 195 confirmed cases in the Province of La Union. There are 691 active cases recorded. A total of 913 deaths and 29, 590 have been recovered a covid patients.

### HAZARD: FLOODING

**Population.** Considering the occurrence of flood at a worst case or a rare event, the PAGASA threshold of 480 mm. of rainfall per day may affect the whole province in general. Among the municipalities of La Union, Bangar and Luna will likely be the most affected in terms of flooding with an affected population of 24,455 and 24,850 respectively or 70 percent of their total population. However, most of the population affected will likely be in the City of San Fernando being the regional capital and business center of the province at 43,835 exposed population or 38 percent of its total population.

**Built-Up Areas.** The built-up areas in San Fernando City and 17 municipalities will be prone to flooding. About 60.75 percent of the total built-up area of 11,355 hectares will be affected in the case of flooding.

**Agriculture.** The agriculture sector in the San Fernando City and 19 municipalities of the province will be prone to flooding wherein 62 percent of the total agriculture area will be affected. Three indicators which include the vulnerability of crops, the presence of early warning devices/access to flood forecasting information and the access to flood control and drainage facilities in agricultural areas were used to determine the vulnerability of every municipality/city to flooding.

**Critical Infrastructures.** In the event of flooding in the province, 18 municipalities and the lone city will be affected by flooding (with the exclusion of Burgos, an upland municipality) in terms of its critical infrastructures. A total of 27 schools will be affected by flooding in the entire province wherein the municipality of Bauang will have the highest number of affected at 6 schools. The province will also incur risk to its government centers with 18 municipal/city halls exposed to flooding. The municipality of Aringay will be the most affected because of its proximity to the river system, followed by the municipalities of Pugo and Bauang. Three district hospitals out of the 8 hospitals will be affected by flooding in the province.

As for road network, a total of 255.90 km or 54 percent of the total road network of the province will be affected, wherein 117.67 km form part of the national road network and 138.23 km of the provincial roads. In a rare event of flooding, 26.08 km national road and 32.42 km provincial in the highly susceptible areas will be affected. Among the 65 bridges along the national and provincial roads in the province, 32 of which will be affected by flooding.

#### HAZARD: RAIN-INDUCED LANDSLIDE

**Population.** Around 463,024 persons or 62 percent of the total population of the province will likely be affected in terms of rain-induced landslides. The upland municipalities of San Gabriel affecting 12,800 persons or 77 percent of its total population, Burgos affecting 75 percent of its population and Santol with a 70 percent affected population will likely be the most affected in terms of population exposure percentage in highly susceptible areas.

**Built-up Area.** Slope stabilization measures used, building condition and the zoning regulation were the indicators used in the process to measure the vulnerability when it comes to rain-induced landslides. For the province of La Union, 31 percent of the total built-up area will possibly be affected and will incur very low risk up to moderate risk.

**Agriculture.** The predominantly hilly terrain of the province made it prone to rain-induced landslides that may cause damage to the agriculture sector. Thirty one percent (31%) of the total agriculture area will be affected and will experience a very low risk up to moderate risk.

**Critical Infrastructures.** The province is said to be prone to rain-induced landslides because of its hilly terrain and that may cause damage to critical infrastructures. Result of vulnerability assessment shows that 22 schools in the province will be affected in the event of a rain-induced landslide wherein eleven municipalities and the lone city will incur risk. Burgos, an upland municipality, will incur the highest risk. For government centers, 8 city/municipal government centers will be affected by rain-induced landslides. Upland municipalities of Burgos and Bagulin will incur the highest risk to their municipal hall if rain-induced landslides occur. Four hospitals in the province will be affected by the rain-induced landslide. These are the Caba District Hospital, Balaoan District Hospital, Santol Lying-in and the La Union Medical Center (LUMC) in Agoo.

As for the road network, a total of 255.45 km. or 53 percent of the total road network of the province will be affected by rain-induced landslides. Twenty three bridges or 35 percent of the total number of bridges in the province will incur risk affecting 13 municipalities/city.

#### HAZARD: STORM SURGE

**Population.** The province having eleven coastal municipalities and one coastal city is also considered prone to storm surge. A total of 114,858 persons or about 15 percent of the total population of the province will likely be affected in the event of a storm surge.

**Agriculture.** Fourteen municipalities and the City of San Fernando will experience damage to their agriculture sector. Of the total agriculture area of the province, 27 percent will be affected and will experience very low risk to moderate risk in terms of storm surge.

**Critical Infrastructures.** The City of San Fernando and the municipalities of Bauang, Bacnotan, Balaoan, Luna, Bangar, San Juan and Caba will be at risk in terms of critical infrastructures in the event of a storm surge. Seven schools or 15 percent of the total number of schools in the province will be affected. These were the schools mostly along the coast. The road networks within the 12 municipalities in the province will be affected with 87.80 km road length or 18 percent of the road network exposed for said hazard.

#### HAZARD: EARTHQUAKE-INDUCED LANDSLIDE

**Population.** Simulated scenario earthquake with an epicenter in Nueva Ecija affecting the Digidig Fault, the province will incur earthquake induced landslides in almost all of its

municipalities. A total of 172,766 potentially affected population or 23 percent of the total population of the province will likely be affected.

**Road Network.** The province will likely incur damage to its road network in terms of earthquake induced landslides. A total of 98.03 km road or around 20 percent of the total road network will likely be affected and this comprises 26.23 km (27%) national roads and 71.80 km provincial roads.

#### HAZARD: TSUNAMI

**Population.** The scenario simulated for tsunami has an epicenter offshore along Manila Trench with a magnitude of 8.2 which is considered as the maximum magnitude based on the length of the Manila Trench using Rapid Earthquake Damage Assessment System (REDAS). With this scenario, eleven coastal municipalities and one coastal city in the province namely: Agoo, Aringay, Bacnotan, Balaoan, Bangar, Bauang, Caba, Luna, Rosario, City of San Fernando, San Juan and Sto. Tomas will likely be affected. The Municipality of Luna will likely be the most affected in terms of exposed population in prone areas having an exposed population percentage of 60 percent with a potentially affected population of 21,394.

**Road Network.** In the event of a tsunami based on the simulation made with an epicenter offshore along Manila Trench and a maximum magnitude of 8.2 based on the length of the Manila Trench using REDAS, 19 percent of the province's road network or equivalent to 90.33 km road will likely to be affected in the eleven coastal municipalities and one coastal city in the province.

#### HAZARD: GROUNDSHAKING

**Population.** For ground shaking, simulations were made to assess possible effects of intense ground shaking in the province. The entire province is susceptible to ground shaking based on the Grounds Shaking Hazard Map. Using an earthquake simulation scenario with an epicenter at Digdig Fault (1990 Earthquake Epicenter), the province will likely to incur 6.0 to 7.0 magnitudes wherein 730,392 persons will likely be affected or 98 percent of the total population of the province.

*Note: Detailed Flood Maps and Landslide Maps of the nineteen (19) Municipalities and the lone City of San Fernando can be gleaned in Attachment A of the Plan*

## I. CAPACITY

### PDRRMO RESPONSE CAPACITY

The Provincial Disaster Risk Reduction and Management Office, in accordance with the mandate, is divided into 3 divisions which capacitate its strength in attaining its goal to have a disaster resilient community.

#### a. Operations and Warning Division

The La Union Peace Order Safety Emergency Operations Center/PDRRM Office is situated at the Sevilla, City of San Fernando La Union. It also serves as the Disaster and Emergency Operation Center (EOC) of the Province of La Union. It operates on a 24/7 basis, and primarily provides frontline services such as Ambulance transport services (emergency and non-emergency), and Special Operations such as Vehicular Extrication, Collapse Structure, High Angle SAR, Fire and Water emergencies and other services related to emergencies and disaster. In partnership with DOST-PHIVOLCS, an Earthquake Intensity Meter is also placed on the building to identify the intensity of an earthquake

Also, a war room for the 911 Emergency Telecommunicators is established, equipped with Rapid Telecommunication Systems as well as Province-wide CCTVs with 24/7 operation.

**Manpower Assets.** The personnel in the operations section are consist of Certified Emergency TeleCommunicators and Dispatchers trained and affiliated with the National 911 of the DILG, Emergency Medical Services Practitioners (EMTs and Nurses), Emergency Vehicle Operators, Rope rescue technicians, Lifeguards, and Certified Rescue Divers.

#### **Communication Assets:**

In 2016, La Union was one of the pioneering provinces in the country that adopted the National Emergency Hotline 911 program of the DILG. Currently, 911 is widely used and recognized as an emergency hotline number by the majority of the constituents in the province. A Rapid Telecommunication System in the form of base radio,

**Vehicle Assets.** The Operations Section has (4) Pick up Rescue Vehicle, (3) Ambulance and (1) Rescue Truck. The Ambulance is classified Type II ambulance, in accordance with the DOH standard and qualifications, equipped with facilities, supplies and equipment intended for Emergency Medical and Trauma Management. For Water Emergencies, Search and Rescue, the PDRRMO has different floating vehicles such as (1) jetski, and (1) speed boat.

**Rescue Equipment.** For special operations, the PDRRMO has available equipment for different emergencies and incidents such as Fire, Water, High Angle, Collapsed Structure, Vehicular Extrication such as PPEs, rope access equipment, vehicular extrication devices, collapsed structure devices, diving equipments and rescue floaters.

#### b. Administration and Training Division

The Training Division is the front liner of the office for the Capacity Building of the different LGUs within the province. To attain a top calibrated, updated and quality training for its stockholders; the PDRRMO personnel are actively attending and participating in training, courses, and workshops conducted by accredited agencies such as the Office of the Civil Defense and other line agencies. Therefore, the PDRRMO La Union has (1) CADRE

instructor, (24) IMT trained personnel with ICS. Others are trained instructors and facilitators for DRRM and DRR related training courses.

As an output, the PDRRMO have capacitated approximately 1, 700 responders in the entire province of La Union in the year 2017, trained with different life saving skills and rescue techniques.

**c. Research and Planning Division**

The research and planning division of the PDRRMO is actively participating in training and workshops related to the DRR innovation and development in order to provide more timely and effective services related to emergencies and disaster.

**PDRRMC RESPONSE CAPACITY**

To achieve a disaster resilient community and promote a safe Agri-Tourism Destination in the North, the PDRRMC is working hard to attain the vision. As a result, the province of La Union has activated (1) Provincial Disaster Emergency Operation Center, and (20) Local Disaster Emergency Operation Center in the different city/ municipalities in the entire province, which provides immediate response to disaster and emergency related incidents within their respective areas of responsibilities.

The table shows the summary of established Operation Centers with their specific capacities. As a necessity, each operation center has a trained medical team which responds to medical and trauma emergencies. Others have a HASAR team or WASAR team, depending on the topographical features of their respective area of responsibility.

Recently, the PDRRMC has strengthened its Incident Management Team and Response Cluster which adheres to the guidelines given by the NDRRMC thru the Regional Office of the Civil Defense. As a result, the province of La Union has achieved zero disaster-related casualties in the succeeding typhoons that hit the province such as “Karding”, “Ompong” and “Rosita”.



Table No. 5: Response Capacity

MUNICIPALITY	EOC	HASAR TEAM	WASAR TEAM	MEDICAL TEAM
Sudipen	✓	✓	✓	✓
Bangar	✓	✓	✓	✓
Balaoan	✓	✓	✓	✓
Santol	✓	✓	✓	✓
Luna	✓	✓	✓	✓
Bacnotan	✓	✓	✓	✓
San Juan	✓	✓	✓	✓
San Gabriel	✓	✓	✓	✓
San Fernando City	✓	✓	✓	✓
Bauang	✓	✓	✓	✓
Naguilian	✓	✓	✓	✓
Burgos	✓	✓	✓	✓
Bagulin	✓	✓	✓	✓
Caba	✓	✓	✓	✓
Aringay	✓	✓	✓	✓
Agoo	✓	✓	✓	✓
Pugo	✓	✓	✓	✓
Tubao	✓		✓	✓
Sto Tomas	✓	✓	✓	✓
Rosario	✓	✓	✓	✓

**ELEMENTS, SECTORS AND INSTITUTIONS EXPOSED TO HAZARDS IMPACTS**

Vulnerability, as being referred to the incapacity of a certain population or community to endure the effects of a hostile environment, can be caused by various outside forces, may be man-made or natural hazards. It basically links people with their environment to institutions and economic sectors that concern them.

Like the other provinces in Region 1, La Union is very much exposed to several natural hazards like flooding, rain-induced landslides, storm surges, ground shaking and others. These hazards usually lead to the devastation of major economic and social sectors in the province such as agriculture, forestry, coastal or marine, water supply and health.

In the assessment done for critical infrastructures, a total of 47 secondary and tertiary schools, 8 hospitals (5 districts hospitals, 1 provincial hospital, 1 regional hospital and 1 lying-in at one upland municipality), 23 government centers which include the city/municipal halls, other government infrastructures within the municipal centers like police station and municipal plaza, the provincial capitol & the government center located at Sevilla San Fernando City and 65 bridges along the provincial and national roads in the province were included.

And for road networks, a total of 481.43 km of road network of the province was considered in the assessment done. This consists of 203.03 km national road and 278.40 km provincial road in the province. The impact of risk contributed by hazards into our road network may as well affect the economic activity of the province.

Several typhoons have hit the province and caused mild to moderate damages in the province. In 2017, typhoon Gorio-Huaning left a worth of Php 2, 421, 196.25 damages in agriculture, and Php 184,860,000.00 damages in infrastructure; 984 families were affected and a total of 103 houses were damaged (totally/ partially)

In 2018, the Super Typhoon "Ompong" with an international name, "Manghut" has traversed the areas of Northern Luzon and left destructive effects in the provinces of Isabela, Ifugao, Mountain Province, and Benguet which affects lives and livelihoods. La Union has been fortunate to have zero- casualty reports during the onslaught of the Super Typhoon, but the province has suffered damages in agriculture with an amount of Php 933, 974, 322.50, and damages in infrastructure approximately, 1 billion pesos, therefore, declaring the province in "state of calamity".

### SWOT ANALYSIS

Disaster management needs to be considered as a strategic management process which uses SWOT (strength, weakness, opportunities and threats) analysis, where the distinctive competence develops strategies that will prevent or limit loss of life, human and animal, and limit the extent of property damage. SWOT analysis will generate internal factors (strengths and weakness) and external factors (opportunities and threats) . The result of internal and external factors will be used as an analysis tools and parameter to determine the strategic planning of the community-based disaster management.

Analyzing the strengths and weaknesses of the existing disaster risk reduction and management system of the province will draw conclusions on key factors including opportunities and threats which may affect the development of the PDRRMP 2023-2025. Capacity issues will be of core importance since the institutional assessment is closely associated with capacity development. An overview of the DRRM system's (or of specific elements of the system's) strengths and weaknesses will automatically flag capacity development needs, opportunities for change and structural constraints, all of which will ultimately inform the assessment team's final conclusions and recommendations. The PDRRMO – based on actual performances, listed perceived strengths and weaknesses of the overall system, combining views, impressions at the provincial and city/municipality level.

## DISASTER PREVENTION AND MITIGATION

The output from the committee on disaster prevention and mitigation provides key strategic actions to activities revolving around hazards evaluation and mitigation, vulnerability analysis, identification of hazard-prone areas and mainstreaming DRRM into development plans. It underscores the need for sound and scientific analysis of the different underlying vulnerability factors, risk and exposure to hazards and disasters.

STRENGTHS	WEAKNESSES	OPPORTUNITIES	THREATS
Local Government Unit (LGU) conducted Risk Assessment and Analysis using various tools i.e. (Community Risk Assessment (CRA), and Climate and Disaster Risk Assessment (CDRA)).	Results from these Risk Assessments are outdated, and thus are inaccurate basis for present DRRM planning.	The urgent conduct of new Risk Assessment and Analysis to create an updated Risk and Hazard Profile for the province is necessary. Consultation with experts and the application of new technology will create more accurate and real-time results.	Risk Assessment and Analysis requires extensive consultation with involved entities. New technologies may require subscription-based services.
Component LGUs of the province have data available from their respective Climate and Disaster Risk Assessment (CDRA) incorporated in their Local Climate Change Adaptation Plan (LCCAP). The CDRA reflects risk profiling of the following hazards on Population, Natural Resources, Urban Areas, Critical Facilities, Lifelines and other elements: Flooding, Ground Shaking, Storm Surge, Landslide and Tsunami. The province is currently consolidating all CDRA data to create an accurate risk profile at the provincial level.	Most data captured from the CDRA template has no disaggregated data of population at risk, including sex, age, sector such as women, Persons With Disabilities (PWDs), Indigenous Peoples (IPs), senior or elderly; but only based on the number of households and total number of persons at risk. The same applies to infrastructures (critical facilities and lifelines) and other elements (crops, livestock, etc.). In addition, the LGUs have different time coverage for their CDRA, with some spanning for three (3) years, and others for five (5) years.	Conducting new Risk Assessment and Analysis in consultation with experts and applying new technologies will generate more accurate and specific data.	New technologies are subscription-based and require large funding.
The Province of La Union through the Provincial Planning and Development Office have developed precise GIS-based maps for different hazards such as Flooding, Rain-Induced landslides, ground-shaking, Storm Surge. Maps for critical	Maps in the provincial, mun/city level are not updated in the last three (3) years.  Maps in the barangays are usually made up of light materials (cartolina, cardboard).	Technical training on Geographic Information System (GIS) and other related web-based applications is highly recommended. GIS based maps give more comprehensive data in all aspects.	Development and updating of maps can be time-constraining, it requires technical personnel to develop a precise map. Changes in geographical features due to natural or man made activities can also be a challenge in developing and updating

<p>facilities are also available, and were included in the PDPFP. DENR-MGB had also provided copies of hazard maps for the province. City/ Municipalities also developed their own GIS-based maps for their specific hazard, as were also included in their CLUP.</p> <p>Majority of the Barangay in the province already had their hazard maps and evacuation maps displayed in conspicuous areas to give guide to their constituents in case of an eventualities</p>		<p>GIS-based maps can also be integrated with other web-based software necessary for real time reporting.</p>	<p>all existing maps.</p>
<p>Structural mitigation projects such as slope protection and development of sewage systems and other infrastructural projects are a priority project of the Provincial Government to address the occurrence of floods. Non-structural mitigations through the initiatives of the Provincial Environment are as follows: Scubasurero, Water Monitoring, and propagation of fruit and flower bearing trees and others.</p>	<p>Low quality material used on the establishment of structural mitigation projects, and it can be also related to lack of quality control on the part of the contractors. On the other hand, poor implementation of ordinances and initiatives of the constituents in participating mitigation activities is also a challenge</p>	<p>Partnership with state and non-state stakeholders in developing mitigation projects through a MOA/MOU is an advantage.</p> <p>Research and studies conducted by different academe on the impacts of different hazard and the recommendation of a certain mitigation project will serve as a baseline for the approval of a project</p>	<p>Repeated turnover in focal persons can also be a factor in the cooperation and approval of the beneficiary LGU.</p>
<p>The existing PDPFP of the province is generally reliable as of this date</p>	<p>Most of the maps requires updating</p>	<p>Conduct of a Writeshop and the re-creation of a technical working group (TWG) is a need.</p>	<p>Time constraint on the updating of of the PDPFP components</p>
<p>Currently, the Philippine Red Cross La Union Chapter, Lupong mga Indibidwal na nangangalaga sa Kalikasan (LINK) and La Union Vibrant Women Incorporated (LUVWI) are among the few of the non-state stakeholders that are actively participating with the Provincial DRRM Council in working out different projects and activities for prevention and mitigation</p>	<p>There are still plenty of identified non-state stakeholders and volunteer groups that may be prospect partners. Lack of SEC registration of the said group is currently a challenge.</p>	<p>There is a need for a planning session through workshops of the LDRRMC together with non-state stakeholders.</p>	<p>Conflict on the availability of the focal person or technical person of the organization can be a challenge.</p> <p>Different outputs from the different perspective can be time constraint</p>
<p>Presence of risk profile, hazard and vulnerability assessments</p>	<p>There is a lack of quality-controlled historical time series of extreme hazard</p>	<p>Conduct vulnerability assessment every 1st quarter of election year (per existing DILG</p>	<p>Budgetary and time constraints</p>

	<p>events and disaster occurrences in terms of intensity or magnitude, location, duration, timing, impacts. Risk and impact information are often not or insufficiently integrated into EWS due to e.g. lack of cooperation between technical agencies responsible for collecting hazard data and stakeholders collecting vulnerability and exposure data, as well as a lack of availability or access to (reliable) loss and impact information. On the other hand, even if risk knowledge is incorporated, often still, there is an inadequate representation of all dimensions of vulnerability (e.g. in urban areas, future dynamics).</p>	<p>policy). Research studies on hazards, risks and vulnerabilities as well as on new technology to increase community and institutional capacities.</p>	
<p>The are two(2) DOST-owned Automated Warning Systems (AWS) stipulated in the areas of Bacnotan and Pugo, monitored by the PAGASA weather station. The province is also relying on the reports released by the nearest PAGASA weather station (Dagupan City and Baguio City).</p> <p>In terms of earthquake monitoring, the province has three (3) intensity meters installed at PDRRMO EOC Building in City of San Fernando, La Union, LGU Santol and LGU Aringay.</p>	<p>Currently, the Provincial Government has no localized weather station to provide more localized information on rain, wind and temperature measurements, as well as the heat index. We only rely on the information given by the nearby stations, which is somewhat inaccurate. Despite their locations, the provincial government has no direct access to the aforementioned two (2) DOST-owned AWS.</p> <p>Monitoring and Warning Service Most municipalities lack modern monitoring and communication systems. More research and development is needed to improve observations, monitoring, data processing, modeling, forecasting and prediction and related applications. There is also the lack of policy and legal frameworks to ascertain authority and accountability, and lack of resources for sustainable operations of agencies.</p>	<p>Establishment of a localized weather station, in partnership with a concerned agency, specifically DOST.</p>	<p>Equipment failure on the existing instruments may cause delay and even ineffectiveness of the LDRRMO EOC in providing real-time reports.</p>
<p>The province of La Union adopts a Multi-Hazard Early Warning System to address</p>	<p>The Early Warning System (EWS) in the province is still in its infancy. Most</p>	<p>Institutionalization of EWS information sharing and communication systems</p>	<p>Wide coverage of EWS may cause confusion and panic among the</p>

<p>hazardous events that may occur simultaneously, cascading, or cumulatively over time, and taking into account potential interrelated effects. At present, there is one (1) Omni-Directional Sirens installed in the Provincial Capitol. Early warning signages are also placed in high risk areas in the different component LGUs in the province. Last November 2022, three (3) Intensity Meters for Earthquake monitoring were also installed in LUPOS-EOC.</p>	<p>municipalities do not have omni-directional sirens, including major tourism sites and high risk areas. Omni-directional sirens are usually installed in city/town proper. Sound propagation is limited to two (2) kilometer radius thus they are not enough to cover all Area of Responsibility (AOR). Unfortunately, there is no synchronized EWS in the province at present.</p>	<p>among LGUs enable timely and coordinated response. Installation of Public Address System in highly populated areas such as markets, schools, government offices, and high risk areas may be an alternative to a costly provision of omni-directional siren.</p>	<p>constituents of the province. Awareness sessions for EWS will require additional manpower and resources.</p>
<p>The PDRRMO continues to encourage volunteers to join the cause. Likewise, the PDRRMO conducts training to the community to increase community and volunteer capacity in basic DRRM.</p>	<p>At present, there is no established database of certified ACDVs, as well as insurance coverage as per COA Circular 2012-002 and Section 13 of RA10121.</p>	<p>Creation of a certified ACDV database, insurance coverage and provision of hazard pay to ACDVs and LDRRMOs, who are actively contributing to disaster response and recovery efforts, must be established.</p>	<p>There may be problems encountered on the sustainability of the ACDV's insurance coverage. The hazard pay on the other hand, lacks legal basis for implementation in the PDRRMO.</p>
<p>Calamity loans are granted via GSIS and PAGIBIG, which are both government entities, after the declaration of State of Calamity in La Union.</p>	<p>The PGLU, as a government entity, has limited linkages to banks, cooperatives, microfinance institutions and the like.</p>	<p>The PGLU may explore avenues to forge linkages with other lending institutions to grant no-interest loans to the most affected section of the population through their cooperatives or people's organizations.</p>	<p>Multiple loans may result in difficulty for the employees to pay their liabilities.</p>

## DISASTER PREPAREDNESS

The main problem in disaster risk reduction and management is on the effectiveness of coordination and communication level between the Provincial Government of La Union, city and municipal government including all barangays. In order to provide good socialization and good persuasive understanding on disaster preparedness the programs implemented by the PDRRMO, all LDRRMOs in all levels must have a common goal and that is to have a healthy life even in disaster conditions.

STRENGTHS	WEAKNESSES	OPPORTUNITIES	THREATS
<p>The Provincial Disaster Risk Reduction and Management Council (PDRRMC) is organized through the Executive Order No. 18, Series of 2016. The Council is represented by all organic departments of the Provincial Government of La Union (PGLU), National Government Agencies (NGA), as well as four (4) accredited Civil Society Organizations (CSOs) and one (1) private sector, compliant to the mandatory members required in RA 10121.</p>	<p>While the minimum requirement for mandatory membership in the PDRRMC is met, several CSOs, NGOs, ACDVs and private sectors are not yet represented in the council.</p>	<p>Enlisting more CSOs, NGOs, ACDVs and private sectors can greatly contribute to DRRM. For example, businesses and nonprofit organizations can offer critical support in immediate disaster response and contribute necessary redevelopment funding that supports community recovery. Public-private partnerships can reduce the burdens placed on the government to provide certain goods and services immediately and over time, permitting the public sector to focus on other important strategic priorities. Furthermore, volunteers augment the community's response capability by performing roles that require less technical training, allowing professionals to focus on the more highly specialized roles. This means volunteers may respond in multiple venues and hold varied roles throughout a single response.</p>	<p>Changes in focal persons may disrupt continuity of programs and projects in DRRM. Newly appointed focal persons may not be as knowledgeable as their previous counterpart and may require DRRM training.</p>
<p>The Executive Order No. 18, Series of 2016 enumerates the composition of the PDRRMC, and cites its roles and functions as provided in Section 4 of the IRR of RA</p>	<p>In both Executive Orders issued, only the CSOs and Secretariat have specific roles and functions defined. Whilst EO No. 18, Series of 2016 enumerated the</p>	<p>Through the National Disaster Coordinating Council (NDCC) Memorandum Circular No.5, the Philippines first adopted a Response</p>	<p>Agencies/Offices have overlapping roles and functions in the response cluster system and might create confusion in manpower delegation.</p>



<p>10121. The same EO includes the four (4) CSOs and Secretariat with their specific roles and functions. On the other hand, the Executive Order No. 12, Series of 2017 amended the aforementioned EO and included new council members representing the Academe, Faith-Based Sector, NGOs, Professional Organization Sector, and the Private Sector.</p>	<p>composition of the PDRRMC, there is no organizational chart and corresponding roles and responsibilities specified.</p>	<p>Cluster System in 2007. This cluster approach was used in the country during various disaster response operations, including Typhoon Pablo, Bohol Earthquake, Zamboanga Siege, and Super Typhoons Ruby and Lawin.</p> <p>A proposal through a drafted Executive Order aims to adopt this disaster cluster system in the province. The creation of Disaster Response Cluster in La Union will aggregate all responding organic offices of the PGLU, government agencies, NGAs and NGOs, private and civil society organizations, including volunteers. This approach to disaster management will outline a particular line of services or expertise of each member agency of the PDRRMC. Moreover, the Disaster Response Cluster of the province will adopt the 11 Emergency Response Sub-Clusters, as the government currently recognizes: Camp Coordination and Camp Management (CCCM), Internally Displaced Persons Protection (IDPP), Food and Non-Food Items Cluster (FNFI), Search, Rescue and Retrieval (SRR), Law and Order (LAO), Management of the Dead and the Missing (MDM), Education, Health, Logistics, Philippine International Humanitarian Assistance (PIHA), and Emergency Telecommunications (ETC).</p>	
<p>The PDRRMC conducts its regular meeting once every quarter.</p>	<p>The PDRRMC quarterly meeting is the only avenue where the PDRRMC members interact and coordinate, thus limiting their functions.</p>	<p>A DRRM Technical Working Group (DRRM-TWG) may be created to focus on technical review, inter-agency coordination, and M&amp;E of DRRM programs and projects.</p>	<p>Changes in focal persons may disrupt continuity of programs and projects in DRRM. Newly appointed focal persons may not be as knowledgeable as their previous counterpart and may require DRRM training.</p>
<p>Currently, the PDRRMO has its own separate building at the La Union Peace,</p>	<p>Since its construction, the LUPOS-EOC displayed defects and damages due to</p>	<p>Regular and necessary repair and maintenance must be performed to</p>	<p>The LUPOS-EOC is situated near a hazard prone area. An ongoing hill excavation a</p>

<p>Order and Safety - Emergency Operations Center (LUPOS-EOC) located at Sevilla, San Fernando City, La Union</p>	<p>deterioration and exposure to natural disasters.</p>	<p>preserve building integrity and assure continuous service delivery of the LUPOS-EOC.</p>	<p>few meters away near the right wing of the building may cause landslides. Experts say that vertical cutting of hills having more than 45 degree slope makes a hill vulnerable to landslides. Consequently, possible landslides may damage the building extensively if no sturdy breast walls are installed.</p>
<p>The Provincial Disaster Risk Reduction and Management Office is composed of five (5) units:</p> <ul style="list-style-type: none"> <li>- Operations and Logistics Unit, which is responsible for the conduct of continuous disaster monitoring and mobilization of instrumentalities and entities of the LGUs, CSOs, private groups and organized volunteers to utilize their facilities and resources for the protection and preservation of life and properties during emergencies in accordance with existing policies and procedures. This unit responds to and manages the adverse effects of emergencies and carry out recovery activities in the affected area, ensuring that there is an efficient mechanism for immediate delivery of food, shelter and medical supplies for women and children.</li> <li>- Early Warning and Dispatch Unit, which operates a multi-hazard early warning system, linked to DRR to provide accurate and timely advice to national or local emergency response organizations and to the general public, through diverse mass media, particularly radio, landline communications, and technologies for communication within the communities.</li> <li>- Research and Planning Unit, which is responsible for the formulation and implementation of a comprehensive and integrated Local DRRM Plan (LDRRMP), Contingency Plans and other DRR related plans in accordance with the national,</li> </ul>	<p>Currently, the Provincial Disaster Risk Reduction and Management Office's human resources are composed of thirty (30) Permanent Employees, nineteen (19) Casual, fifty (50) Contracts of Service, one (1) Job Order, and five (5) Volunteers. It shows that 53% of the current workforce has no employee-employer relationship; as a result they may have adhered strictly to the terms and conditions indicated to their contracts without flexibility or discretion and may have restricted access to training programs and other development opportunities.</p>	<p>Creating plantilla positions will demonstrate a commitment to prioritizing and strengthening disaster management efforts within the Provincial Government of La Union. Proposed plantilla positions for the next three (3) years are the following:</p> <ul style="list-style-type: none"> <li>A. Operations and Logistic Unit <ul style="list-style-type: none"> <li>1.1 Operations Section <ul style="list-style-type: none"> <li>1. Local DRRM Officer IV (1)</li> <li>2. Local DRRM Officer III (2)</li> <li>3. Local DRRM Officer II (1)</li> <li>4. Local DRRM Officer I (1)</li> <li>5. Nurse II (5)</li> <li>6. Local DRRM Assistant (2)</li> <li>7. Administrative Aide IV (4)</li> <li>8. Watchman I (8)</li> </ul> </li> <li>1.2 Logistics Section <ul style="list-style-type: none"> <li>1. Local DRRM Officer III (1)</li> <li>2. Local DRRM Officer I (1)</li> <li>3. Property Custodian (2)</li> <li>4. Watchman (7)</li> </ul> </li> </ul> </li> <li>B. Warning and Dispatch Unit <ul style="list-style-type: none"> <li>1.1 911 Telecommunication Section (1) <ul style="list-style-type: none"> <li>1. Local DRRM Officer III (1)</li> <li>2. Local DRRM Assistant (1)</li> <li>3. Administrative Assistant IV (7)</li> </ul> </li> </ul> </li> <li>C. Training and Capacity Unit <ul style="list-style-type: none"> <li>1. Local DRRM Officer IV (1)</li> <li>2. Local DRRM Officer II (1)</li> <li>3. Local DRRM Assistant (2)</li> <li>4. Administrative Aide I (5)</li> </ul> </li> <li>D. Administrative and Financial Unit <ul style="list-style-type: none"> <li>1. Supervising Administrative Officer (1)</li> </ul> </li> </ul>	<p>The approval and creation of plantilla positions are limited on the prioritization of the provincial government and availability of funds due to PS cap.</p>

<p>regional, and provincial framework, and policies on DRR in close coordination with the Local Development Council (LDC). This unit is also responsible for the consolidation of local disaster risk information which includes natural hazards, vulnerabilities, and climate change risks, and maintains a local risk map.</p> <ul style="list-style-type: none"> <li>- Administrative and Financial Unit, which identifies and implements cost-effective risk reduction measures and strategies on a continuing basis to maintain, provide, or arrange the provision of, or to otherwise make available, suitably-trained and competent personnel, funding, equipment and supplies for effective civil defense and DRRM in its area.</li> <li>- Training and Capacity Development Unit, which organizes and conducts training, orientation, and knowledge management activities on DRRM at the local level, including the most vulnerable sectors (women, children, senior citizens, and PWD). This unit is responsible for information dissemination and raising public awareness about hazards, vulnerabilities, and risks.</li> </ul>		<ul style="list-style-type: none"> <li>2. Administrative Officer V (1)</li> <li>3. Administrative Officer III (1)</li> <li>4. Administrative Officer II (1)</li> <li>5. Administrative Assistant II (3)</li> <li>6. Administrative Aide III (2)</li> </ul> <p>E. Research and Planning Unit</p> <ul style="list-style-type: none"> <li>1. Local DRRM Officer IV (1)</li> <li>2. Local DRRM Officer II (2)</li> <li>3. Local DRRM Officer I (1)</li> <li>4. Local DRRM Assistant (2)</li> <li>5. Administrative Aide IV (1)</li> </ul>	
<p>For the past two (two) years, plantilla personnel and COS personnel of the PDRRMO underwent different capacity building activities and training to enhance and increase their knowledge and skill set on DRRM. These trainings include the following:</p> <ul style="list-style-type: none"> <li>- Basic Water Search and Rescue</li> <li>- High Angle Search and Rescue</li> <li>- Ambulance Operations</li> <li>- Standard First-Aid and Basic Life Support</li> <li>- Basic Incident Command System (Level 1 &amp; 2)</li> <li>- Post Disaster Needs Analysis Training</li> <li>- Exercise Design Course</li> </ul>	<p>There are certain trainings which are not yet conducted but are highly recommended, and training that need to be conducted continuously due to the risk profile, hazards and needs of the province. These trainings are, but not limited to Mental Health and Psychological Support Training (MHPSS), Rehabilitation and Recovery Plan Formulation Training, Community-Based Disaster Risk Reduction and Management (CBDRRM), Climate and Disaster Risk Assessment Training and Writeshop, Geographic Information System (GIS) Training, Camp Coordination and Camp Management (CCCM)</p>	<p>Conducting DRRM-related training for Resilient Sector and other line agencies to strengthen their capabilities foster collaboration and improve overall disaster preparedness and response at the provincial level with the coordination of the various agencies and organizations that offer DRRM Training. These trainings are, but not limited to Mental Health and Psychological Support Training (MHPSS), Rehabilitation and Recovery Plan Formulation Training, Community-Based Disaster Risk Reduction and Management (CBDRRM), Climate and Disaster Risk Assessment Training and Writeshop,</p>	<p>Some of the technical training requires an extensive time period that may disrupt work schedules. For example, EMT training lasts for three (3) months. There is also a possibility that participants may fail on a technical training exam, requiring full course retake.</p>

<ul style="list-style-type: none"> <li>- Emergency Operations Center Management Course</li> <li>- Emergency Medical Services Training Course</li> <li>- Rapid Earthquake Damage Assessment System Training</li> </ul>	<p>Training, Collapse Structure Search and Rescue (CSSR) Training, Mountain Search and Rescue (MOSAR) Training, Emergency Telecommunications (ETC) Training, Government Radio Operator's Certification, Rapid Emergency Telecommunications (RETT) Training, DRRM Logistics Management Training, and Evacuation Management Training.</p> <p>Furthermore, a higher percentage of trained employees of the PDRRMO are Job Orders (JO) and Cost of Service (COS).</p>	<p>Geographic Information System (GIS) Training, Camp Coordination and Camp Management (CCCM) Training, Collapse Structure Search and Rescue (CSSR) Training, Mountain Search and Rescue (MOSAR) Training, Emergency Telecommunications (ETC) Training, Government Radio Operator's Certification, Rapid Emergency Telecommunications (RETT) Training, DRRM Logistics Management Training, and Evacuation Management Training.</p>	
<p>Pursuant to the Executive Order No. 10, Series of 2017, the LUPOS-EOC is mandated to operate on a 24/7 basis.</p>	<p>Both the Operations and Logistics Unit and Early Warning and Dispatch Unit operate with two (2) 12-hour shifts per day to satisfy this mandate. Under Article 83 of the Conditions of Employment set by the Department of Labor and Employment, the normal hours of work of any employee shall not exceed eight (8) hours a day. However, the PDRRMO lacks manpower to meet this requirement, given that the LUPOS-EOC operates 24/7.</p> <p>While the LUPOS-EOC is on 24/7 operations, respective LGU EOCs only operate during office hours (8AM-5PM). This arrangement can hamper emergency service delivery which is targeted at five (5) minutes response time in a 10 kilometer radius. Unfortunately, the LGUs are not adequately supplied with appropriate manpower and equipment to comply with the aforementioned response time.</p>	<p>Hiring more manpower for the PDRRMO can greatly help maintain its quality delivery service without compromising the optimum working environment for the employees. On the LGU level, the creation and equipping of Satellite Offices in the five (5) tourism sites will enhance emergency service delivery through quick and efficient response time. The components LGUs, who suffer from lack of manpower and equipment will benefit from the human resource augmentation in the Satellite Offices.</p>	<p>Because the project requires large funding, the implementation may be delayed due to budgetary constraints.</p>
<p>The PDRRMO currently has three (3) Ambulance, one (1) Rescue truck, four (4) emergency rescue vehicles, one (1) watercraft and one (1) service vehicle that</p>	<p>Emergency and rescue vehicles play critical roles in responding to emergencies and assisting those in need. Due to their demanding operational nature, they are</p>	<p>Comprehensive maintenance which includes regular inspections, preventive maintenance tasks and necessary repair will optimize performance and lifespan of</p>	<p>There are unforeseen delays in the processing of financial documents due to internal and external factors.</p>

<p>are all operational.</p>	<p>subject to wear and tear that can affect their performance and longevity.</p>	<p>these equipment. Additional procurement of additional vehicles/watercraft assets is also necessary to meet specific needs and requirements of increasing and critical emergency response operations.</p>	
<p>There are available Hazard Specific DRRM types of equipment and supplies to provide the most effective response and mitigate the risk associated with specific hazards.</p>	<p>DRRM equipment and supplies are subject to wear and tear due to external factors, exposure to environmental conditions, and the nature of the disaster/incident operations. Manual inventory systems for DRR Equipments may cause human errors that can lead to discrepancies of the actual inventory.</p>	<p>Proper maintenance of DRRM equipment and supplies to maintain its optima performance and longevity. Acquisition of additional DRRM equipment and supplies and establishment of a warehouse to enhance disaster preparedness and response capabilities. Establish a digital inventory system to ensure efficient utilization, maintenance and availability of DRRM equipment and supplies.</p>	<p>There are unforeseen delays in the processing of financial documents due to internal and external factors.</p>
<p>There is an existing PDRRMP draft that is currently under the review of the Provincial Planning and Development Office (PPDO). This plan, which is anchored on the four (4) thematic areas of DRRM, is also aligned with the Transformative Governance Roadmap of the current Governor, Honorable Raphaelle Veronica ``Rafy'' Ortega-David. One of the cores of the Governor's Roadmap for a Stronger La Union targets to intensify disaster risk mitigation, preparedness and response.</p>	<p>The PDRRMP is still a draft under review while few revisions are still being done to consolidate assets and capabilities, as well as goals, objectives and strategies. Emerging and Re-emerging Infectious Diseases, especially COVID-19 is yet to be incorporated in the plan as well. Furthermore, LDRRMPs are crafted individually and independently from the PDRRMP, causing them (PDRRMP and LDRRMPs) to be discrepant. There is a lack of technical expertise in the creation of PDRRMP.</p>	<p>The conduct of writeshops involving all sectoral representation and stakeholders will consolidate and verify existing hazards and risks, assets and resources, as well as vulnerabilities and needs of all component LGUs. Hence, creation of a TWG dedicated to the crafting of DRRM plans is highly recommended. This undertaking will yield a more comprehensive plan that will streamline the attainment of community resilience fostering an environment conducive for Agri-Tourism. COVID-19 programs and projects should be incorporated in the PDRRMP, in coordination with the Health Sector through the creation of Disaster Risk Reduction and Management in Health (DRRM-H) Network. The PDRRMP shall be submitted for certification by the Office of the Civil Defense (OCD), while its approval shall be made by the PDRRMC. Upon its approval, the Sangguniang Panlalawigan (SP) shall adopt the PDRRMP and</p>	<p>The involvement of all stakeholders and sectoral representatives in the crafting of the PDRRMP will require a series of writeshops and meetings, hence shall require budget and extended time frame for crafting, review, editing and revisions. There may also be inaccuracies in the available data from the LGUs and stakeholders.</p>

		subsequently mainstreamed in the Local Development Plan.	
The Provincial Disaster Risk Reduction and Management Office has approved Contingency Plan for the top two hazards in the Province (Contingency Plan for the 7.2 Magnitude Earthquake and Contingency Plan for Hydrometeorological Hazards: Flood, Rain-Induced Landslides and Storm Surge) adopted by the Sagguniang Panlalawigan through Resolution No. 273-2017. Served as the basis for the existing draft Provincial Contingency Plan.	The current CP for Tropical Cyclone and Earthquake are crafted without participation from the Response Clusters.	Conduct of writeshop in formulating the Provincial Contingency Plan involving stakeholders, representatives from partner government agencies, and other key partners.	Writeshop may require long timeframe
Pursuant to the NDRRMC Memorandum No. 33 s. 2018 and Executive Order No 52 enjoined all government agencies to have their respective PSCPs to guarantee the continuity of operations amidst disruptions. Therefore, the PDRRMO has an existing draft Public Service Continuity Plan and was initially reviewed by the Provincial Planning and Development Office (PPDO).	The draft Public Service Continuity Plan solely concerns the operation services of PDRRMO.	To establish a technical working group concerning internal offices of the Provincial Government of La Union and to conduct a write shop with specialized expertise in developing PSCP tailored to specific needs, risk and capacities of provincial government and to ensure continuity of delivery of PGLU services.	Limited availability of financial and human resources to support the formulation of PSCP
The Provincial Disaster Risk Reduction and Management Office has an Standard Operating Procedure and Guidelines which was integrated at PDRRMPlan 2017-2022. This will serve as the basis for updating the SOPG of PDRRMO.	The SOPG focuses only on the operational processes of the Operations and Warning Unit.	To conduct a write shop in formulating a SOPG requires a systematic approach that ensures clear guidelines in disaster management. This write shop will engage technical expertise in various areas to ensure the effectiveness and accuracy of the SOPG. The SOPG shall cover all the operational procedures of all unit of the PDRRMO and shall be approved by the Sangguniang Panlalawigan,	Insufficient time and staff capacity in the formulation process resulting in rushed or incomplete SOPG
IEC campaigns are done regularly and especially during special celebrations	IEC campaigns are done sporadically, with LGUs and resilient offices having their own	There should be a DRR-CCA advocacy program that will involve all resilient sectors	IEC campaigns involving a multi stake can be hard to coordinate.

(National Resilience Month).	activities.	to create more impactful IEC campaigns.  Continuous publication and distribution of IEC materials, which are accurate, updated and laymanized are a great opportunity to increase public awareness of disaster-related issues. Digitized and modernized IEC can also be employed through various social media for more reach and coverage.	IEC materials may not be effective if these are not clear, laymanized, simplified and visually pleasing.
Through DRRM-H Network, several SFA-BLS trainings were conducted in IP communities: San Gabriel, Pugo, Tubao and Sudipen. These activities are aimed towards building disaster resilience in the GIDA and IP communities.	There is still a lack of IEC campaigns at the barangay level, especially in Geographically Isolated and Disadvantaged Areas (GIDA) where emergency services and rescue efforts are mostly inaccessible.	IEC campaigns in GIDA will capacitate the residents to employ initial interventions in their communities while awaiting emergency services to arrive during disasters, thereby reducing casualties.	Most IP work in the fields during daytime and may not participate in the training because it may mean loss of income for them.
The Academe sector is represented in the PDRRMC.	There is a lack of DRRM training involving schools.	Involving the academe will educate school staff, but most importantly the students in DRRM, consequently cultivating a culture of resiliency for future generations.	The school may only select a number of students to participate in these training sessions. It may be difficult to schedule to have all students trained.
During disasters, information dissemination heavily relies on the official announcement of the PGLU through its official Facebook Page. Additional sources of information include other media sources such as Bombo Radyo La Union, My FM, Philippine News Agency, Philippine Information Agency, etc.	There is a weak linkage between the PGLU and the local media with regards to DRRM. As such, key critical messages may be relayed to the public in different versions, thus may create confusion and unnecessary panic. Utilization of the IMT's Public Relations Officer to address the media is also barely practiced.	The media forges a direct link between the public and emergency organizations and plays a very important role in disseminating vital information to the public before, during and after disasters. They provide assistance in the management of disasters by educating the public about disasters; warning of hazards, gathering and transmitting information about affected areas; alerting government officials; relief organizations and the public to specific needs, and facilitating discussions about disaster preparedness and response for continuous improvement. To help the media fulfill these roles, direct and effective working relationships between the media and disaster management organizations should be established and maintained. Formulation of	Media may provide biased and sensationalized information causing public panic. Politicians may also use the media for their political agenda.

		Framework/Strategic Guidelines in the utilization of Media in DRRM in the province may be conducted. Also, DRRM training courses can be conducted for the media to inform and educate reporters, writers, and news editors on DRRM.	
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## DISASTER RESPONSE

Key actions for the actual disaster response operations such as needs assessment, search and rescue, relief operations and early recovery activities are deep rooted to the level of preparedness the institution has. For Disaster Response, most analyses are secondary factors based on the strengths, weaknesses, opportunities and challenges of disaster preparedness.

STRENGTHS	WEAKNESSES	OPPORTUNITIES	THREATS
There is an existing SOPG for PDRRMO, stating main protocols and operational procedures to set standard behavior among members of the PDRRMO whenever on the course of their official duties.	The SOPG only tackles general office rules and operational guidelines. A specific set of SOPG is needed for various technical and tactical services such as Emergency Medical Services, Ambulance Operations, 911, EWS and Rescue Operations.	The creation of specific SOPG for Emergency Medical Services, Ambulance Operations, 911, EWS and Rescue Operations will state procedural protocols and policies that need to be strictly followed by all PDRRMO staff. This set of guidelines will ensure excellent and proficient delivery of emergency services while providing legal protection from professional malpractice.	Existence of new hazards and threats such emerging infectious diseases or other complex emergencies may result in the need of revising the existing Standard operating procedure.
The Executive Order No. 5, Series of 2015 institutionalized the Incident Command System as an On-Scene Disaster Response and Management Mechanism of the province.	Limited number of personnel and PDRRMC member agencies with complete ICS certification	Conduct of ICS ladderized training courses to all Response Cluster Agencies and Local Chief Executives	There may be unforeseen changes in predetermined focal person/representatives
The Institutionalization on the establishment and functionality of Emergency Operation Center, as well as the existence of a 911 Local Call Center in the province of La Union is currently an advantage in receiving calls as well as deployment of resources and appropriate response.	Interferences in internet and network connectivity secondary to Geographical Isolation of some areas is still a challenge.	Establishment of a Province-wide Radio Communication System along with the establishment of satellite Provincial DRRM EOCs per tourism circuits will address the concern of delayed communications and real-time reporting from the Local DRRM EOC to Provincial DRRM EOC vice versa.	Province-wide shutdown of network coverage caused by a unforeseen hazard

<p>The province of La Union has five (5) District Hospitals - Rosario District Hospital (RDH), Caba District Hospital (CDH), Naguilian District Hospital (NDH), Bacnotan District Hospital (BDH) and Balaoan District Hospital (BLDH); one (1) Provincial Hospital - La Union Medical Center (LUMC); 20 Rural Health Units (RHUs) across all municipalities; and one (1) Regional Hospital - Ilocos Training and Regional Medical Center (ITRMC).</p> <p>The implementation and institutionalization of the DRRM-H Network was proposed through the Draft Ordinance No. 388, Series of 2022. This draft ordinance included the organization, protection and mobilization of Health Emergency Response Teams (HERTs); and the establishment of respective EOCs for DRRM-H in the component LGUs.</p>	<p>There is no existing SOPG between the health sector and the PDRRMO, thus no delineated roles and functions on emergency service delivery.</p>	<p>The institutionalization of DRRM-H will define roles and functions of member agencies and service delivery protocols.</p>	<p>There is no distinction between the DRRM-H Emergency Operation Center with the DRRM Emergency Operation Centers. Redundancy and Overlapping of roles, functions and programs are prevalent, resulting in gaps and conflicts.</p>
<p>Currently, the PGLU has four (4) Dump Trucks that can be utilized as transportation for evacuation purposes.</p>	<p>There are no existing MOA/MOU between LGUs and transport groups to augment transportation for possible mass evacuation during disasters.</p>	<p>Forging partnerships through MOA/MOU with private transportation companies and public transportation groups can greatly augment mobility assets during calamities.</p>	<p>Insurance concerns for vehicle damages during disaster operations</p>
<p>The province of La Union has the following number of identified evacuation centers:  PGLU - 1  Agoo - 121  Aringay - 31  Bacnotan - 61  Bagulin - 3  Balaoan - 58  Bangar - 54  Bauang - 54  Burgos - 1  Caba - 17  Luna - 53  Naguilian - 68</p>	<p>Many of the evacuation centers in the province are schools, child development centers and barangay halls, which do not have proper structural integrity assessment by the Local Engineering Office. Some evacuation centers have been converted as isolation facilities during the Covid-19 pandemic.</p>	<p>House Bill No. 10472 is an Act Establishing Evacuation Centers in Every Barangay and Appropriating Funds Thereof. This Bill set the standards of an Evacuation Center, pertaining to location, structural and building capacity, building parameters, amenities and accessibility, and its operation and management. Likewise, the PDRRMC can adopt the guidelines set in this House Bill in the construction and establishment of evacuation centers in the province.</p>	<p>Construction of Standard Evacuation Centers requires large funding, which other LGUs lack.</p>

Pugo - 24 Rosario - 58 San Fernando City - 15 San Gabriel - 31 San Juan - 16 Santol - 27 Sto. Tomas - 44 Sudipen - 29 Tubao - 53 TOTAL = 819			
Establishment of a 911 Public Safety Answering Point or Local Call Center, capable in gathering real-time reports on ground through coordination	Other LGUs through LDRRMOs are still not compliant with the standard time of reporting (8am-2pm-5pm) due to their limited manpower.	Strong partnership with other stakeholders associated with radio communications and also the adoption of Rapid Emergency Telecommunication Team (RETT) as prescribed by the NDRRMC is a great opportunity for gathering real-time reports on ground	Geographical features related to accessibility of an area is a great challenge for communication, as well as deployment of resources
Text, email, receiving copy, call logbook, social media postings	Current radio coverage of the PDRRMO - EOC are only limited to 10-20 km radius	Establishment of Province-wide Multi Agency Radio Communication system which include procurement and establishing radio repeaters and wireless mesh	Interference in the internet and network connectivity related to inclement weather condition or natural hazards
Issuance of Executive Order or Resolutions on Pre-Emptive or Forced Evacuation		Component LGUs thru their Local DRRMC has their own initiatives in conducting pre-emptive and/or forced evacuation even before receiving the advisory.	Some individuals are still in the "Reactive" culture mindset and resisting to follow authorities to conduct pre-emptive evacuation despite impending danger.
Has an existing relief distribution lists, reports and uses DAFAC during relief operations	Duplication on the distribution of relief goods due to lack of coordination between stakeholders.	Permanent warehouse for storing food and non-food items, drop-off points designated in some LGUs for relief distribution	Cases of looting and food spoilage due to poor storage and safekeeping is highly prevalent.
Activation of Emergency Operations Center and Disaster Response Cluster System as a disaster response mechanism	Limited trained personnel among the members on the functionality of Disaster Response Cluster System as well as the Emergency Operation Center.	Conduct of training on EOC management among PDRRM Council Member Agencies, specifically members of Disaster Response Cluster.	Changes in management/focal person of other agencies
RDNA is actively done during disasters	There is still no existing EO for established Provincial RDANA Team / Damage	Conduct RDANA Training for LDRRMOs and PDRRMC Council Member Agencies,	Changes in management/focal person of other agencies

	Assessment Team or equivalent	following the creation of the Provincial RDANA/ PDNA Team.	
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## DISASTER REHABILITATION AND RECOVERY

Derailed development gains after a disaster, the Provincial Government of La Union ensures that resilience is at the core of its strategies to achieve a disaster resilient la union by 2025.

STRENGTHS	WEAKNESSES	OPPORTUNITIES	THREATS
Presence of Global and Local Disaster Rehabilitation and Recovery Policy Frameworks: Sendai Framework for Disaster Risk Reduction 2015-2030; UN 2030 Agenda for Sustainable Development; Paris Agreement within the UN Framework Convention on Climate Change; ASEAN Agreement on Disaster Management and Emergency Response; Philippine Disaster Risk Reduction And Management Act Of 2010; NDRRM Framework; And NDRMM Plan 2011-2028.	Rehabilitation and recovery activities are limited after the impact of a disaster.	Alignment of policy-making and local development plans. Training and revisiting of plans	Identified programs may not exist on the current investment plans.
Database Build-up: Available data on population, housing characteristics, household income sources and expenditure items, poverty statistics, land area and land use, economic activity and livelihood, infrastructure facilities, social services, and hazards are generated by concerned government agencies. The LGUs' socioeconomic profile, housing needs, and hazard profiles (for some LGUs) can be found in the local development land use plans and local shelter plans.	Database is not updated regularly	The secretariats of the DRRMCs – the Office of Civil Defense (OCD) at the national and regional levels, and Local DRRM Offices (LDRRMOs) at the local level – should maintain and regularly update their respective data sets.	Updating the database requires manpower and budget.
Presence of Early rehabilitation and recovery interventions (e.g. provision of Alternative livelihood, cash for work, seedlings and farm implements, among others)	Provision of financial assistance for affected populations are limited to the members of CSOs/accredited individuals.	Explore other external financial partners that would extend their help to the individuals outside the accredited CSOs.	Discrepancies in the assessment and profiling; poor data integrity; delays in the delivery of these interventions

Presence of PDANA Team conducting assessments for rehabilitation efforts recommendations	PDANA team comprised of limited offices, usually of PDRRMO, PSWDO and PEO	Conduct PDANA training which will include other significant offices/sectors in the conduct of post disaster assessment.	PDANA findings for rehabilitation and recovery often require large amounts of funds that were not included in the LGUs investment plan.
Emergency Shelter Assistance are readily available at PSWDO and DSWD.	There are no housing programs from the PGLU for the affected population. Assistance is limited to shelter repair kits.	Housing designs must be more resilient to hazard events, in safer sites, and are compliant to safety code; Promotion of Green Technology	History of beneficiaries selling their shelter repair kits was rampant from the past major disasters. This may repeat from happening if not addressed.
The PSWDO initiates the provision of training on mental health and psychosocial support (MHPSS). There are also Pool of trained MHPSS and Psychological First Aid (PFA) facilitators within the PGLU and other PDRRM Council Member Agencies	Lack of database/inventory on the list of trained MHPSS and PFA facilitators from other external providers.	Conduct regular Trainings on Psychosocial services among PDRRM Council Member Agencies in addition to the existing pool of MHPSS and PFA Facilitators. All trained psychosocial providers should be entered in a database.	Most of the trained facilitators are having conflict with their workloads and schedules
All LGUs have quick response funds for Rehabilitation and Recovery Programs.	LGUs do not have their own Rehabilitation and Recovery Plans because such plans are dependent on the PDANA results and findings.	Conduct of Disaster Rehabilitation and Recovery Planning training. Formulation of the Rehabilitation and Recovery Plan	Programs may not be included in the LGU's Investment plans
Council Member Agencies are fully engaged with relief and early recovery assistance based on their office mandates.	Practiced social recovery has been limited to the distribution of food items, non-food items and financial assistance	Improving social conditions in disaster affected areas should be scaled up. Education, health and social protection services should be made accessible or upgraded	Discrepancies in the assessment and profiling; poor data integrity; delays in the delivery of these interventions
All DRRM coordinations are made through the PDRRMC	There is no defined Coordination Committee solely for Disaster Rehabilitation and Recovery Program	Institutionalizing a coordination structure such as Disaster Rehabilitation and Recovery Committee delineates the role of each stakeholder	Changes in management/focal person of other agencies

### THEMATIC AREA NO. 1: DISASTER PREVENTION AND MITIGATION

Disaster prevention and mitigation measures aim to reduce the potential damage and suffering that disasters can cause to a community. While disaster management cannot prevent disasters, it can prevent them from becoming compounded as a result of neglecting causal factors and manageable risks. Mitigation specifically refers to “structural and non-structural measures undertaken to limit the adverse impact of natural hazards, environmental degradation, and technological hazards and to ensure the ability of at-risk communities to address vulnerabilities aimed at minimizing the impact of disasters. Such measures include, but are not limited to, hazard-resistant construction and engineering works, the formulation and implementation of plans, programs, projects and activities, awareness raising, knowledge management, policies on land-use and resource management, as well as the enforcement of comprehensive land-use planning, building and safety standards, and legislation.”<sup>1</sup> Investing in measures that limit hazards can greatly reduce the burden of disasters.

Mitigation activities should incorporate the measurement and assessment of the evolving risk environment. Activities may include the creation of comprehensive, pro-active tools that help decide where to focus funding and efforts in risk reduction.

**Goal:**

Reduce vulnerabilities and exposure to risks and hazards through enhancing capacities and skills of the population.

**Objectives:**

1. To conduct local vulnerability, risk and hazard assessment with the use of new technology which will produce accurate and updated scientific data
2. To develop capacities and skills of the population through IEC, DRR trainings and awareness activities
3. To improve capacity to mitigate impacts of disaster through scientific research and studies

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<sup>1</sup> <https://www.officialgazette.gov.ph/2010/05/27/republic-act-no-10121/>



**KEY OUTPUT 1.** Improved and updated DRRM and CCA assessment, mapping and analysis with the use of new technology and systems

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1. Conduct vulnerability, risk and hazard assessment every 1st quarter of election year, as per DILG policy and as the need arises	20 Component LGUs	Conducted vulnerability, risk and hazard assessment to 20 Component LGUs every 1st quarter of election year	2023-2025	PDRRMO, PPDO, DILG	2,500,000.00	5% LDRRMF
2. Conduct hazard mapping at the provincial, municipal/city and barangay levels	20 Component LGUs	Conducted hazard mapping at the Provincial, Municipal/City and barangay level.	2023-2025	PDRRMO, PPDO, DOST	5,000,000.00	5% LDRRMF
3. Conduct of hazard research studies and disaster prevention projects	Research on new technology and strategies for Disaster Prevention and Mitigation	Conducted hazard research studies and disaster prevention projects that can promote sustainable development.	2024-2025	PDRRMO, PPDO, DMMMSU, DOST	5,000,000.00	5% LDRRMF

**KEY OUTPUT 2.** Enhanced early warning systems and end-to-end monitoring and reporting systems

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1. Develop and institutionalize EWS information sharing and communication systems among LGUs	20 Component LGUs	Institutionalized EWS information sharing and communication systems among LGUs enable timely and coordinated response	2023-2025	PDRRMO, LGUs	45,000,000.00	5% LDRRMF
2. Establishment of Weather Monitoring System	5 Tourism Circuits	Established Weather Monitoring System in All Tourism Circuits	2024-2025	PDRRMO, DOST	50,000,000.00	5% LDRRMF
3. Establishment of CCTV-Based monitoring system	20 Component LGUs	Established CCTV-Based monitoring system to provide additional safety and security, provide real time monitoring and contributes to effective emergency response	2023-2025	PDRRMO, ICTU, LGUs	100,000,000.00	5% LDRRMF
4. Establishment of Public Address System	Tourism Circuits	Established Public Address System to all Tourism Circuits enabled faster dissemination of information during emergencies in	2024-2025	PDRRMO, ICTU, PIO, LGUs	30,000,000.00	5% LDRRMF

		real time.				
5. Establishment of Integrated Radio Communications System	20 Component LGUs	Established Radio Communications System to strategic locations in LGUs to ensure effective communication during emergencies and disaster response.	2023-2024	PDRRMO, ICTU	35,000,000.00	5% LDRRMF
6. Establishment of Community-Based multi-hazard EWS	All barangays	Established Community-Based multi-hazard EWS to 20 Component LGUs to increase awareness about hazard, vulnerabilities and its potential impacts	2023-2025	PDRRMO, PEO, PIO, LGUs	20,000,000.00	5% LDRRMF

## **THEMATIC AREA NO. 2: DISASTER PREPAREDNESS**

Disaster preparedness plays a critical role in mitigating the impacts of natural disasters. Preparedness is defined by the United Nations International Strategy for Disaster Reduction (UNISDR) (United Nations International Strategy and Disaster Reduction, 2009) as knowledge, capabilities, and actions of governments, organizations, community groups, and individuals "to effectively anticipate, respond to, and recover from, the impacts of likely, imminent or current hazard events or conditions."

"Pre-disaster actions and measures being undertaken within the context of disaster risk reduction and management and are based on sound risk analysis as well as pre-disaster activities to avert or minimize loss of life and property such as, but not limited to, community organizing, training, planning, equipping, stockpiling, hazard mapping, insuring of assets, and public information and education initiatives. This also includes the development/enhancement of an overall preparedness strategy, policy, institutional structure, warning and forecasting capabilities, and plans that define measures geared to help at-risk communities safeguard their lives and assets by being alert to hazards and taking appropriate action in the face of an imminent threat or an actual disaster."<sup>2</sup>

### **Goal:**

To equip the community with all types of resources in anticipation to, in coping with and in recovering from the impact of disasters

### **Objectives:**

1. To provide the community with knowledge and life saving skills they can utilize to cope up with disasters
2. To enhance capacities of institutions through appropriate equipage and training
3. To implement comprehensive preparedness plans and policies

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<sup>2</sup> <https://www.officialgazette.gov.ph/2010/05/27/republic-act-no-10121/>

**KEY OUTPUT 3.** Increased level of awareness and enhanced capacity of the community to the threats and impacts of all hazards

PPA	TARGET	OUTPUT	TIMERAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1. Develop DRRM-CCA IEC advocacy and program	20 Component LGUs, PDRRMC	Developed DRRM-CCA IEC advocacies and programs to increase disaster awareness in high risk areas	2023-2025	PDRRMC	5,000,000.00	5% LDRRMF
2. Provision of Contextualized and laymanized IEC materials on DRRM-CCA	20 Component LGUs	Distributed contextualized and laymanized IEC materials on DRRM-CCA to convey DRRM awareness up to the marginalized group	2023-2025	PDRRMO, PIO,	5,000,000.00	5% LDRRMF
3. National Disaster Resilience Month Celebration	General Public	Conducted yearly National Disaster Resilience Month Celebration for increased DRRM Awareness	2023-2025	PDRRMC	10,000,000.00	5% LDRRMF
4. Conduct of IEC campaigns at	All GIDA and IP	Conducted	2023-2025	PDRRMO,	5,000,000.00	5% LDRRMF

the barangay level, especially in GIDA/IP areas, women and PWD	communities	IEC campaigns at the barangay level especially in GIDA/IP, women and PWD to increase their knowledge on DRRM and sustain resilience in the community		DRRM-H		
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**KEY OUTPUT 4.** Communities and sectors are equipped with appropriate skills and capacities to prepare for and cope up with the impact of disasters

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1. Conduct of DRRM Training Courses in the LGUs: a. Standard First Aid and Basic Life Support b. Ambulance Operations Training c. High Angle Search and Rescue Training d. Basic Water Search and Rescue Training	20 Component LGUs	Conducted DRRM Training Courses to the LGUs to equip them with knowledge and skills in disaster response	2023-2025	PDRRMO	10,000,000.00	5% LDRRMF
2. Conduct DRRM Training Courses for Resilient Sector: a. Advanced Cardiac Life Support Training b. Swift Water Rescue Training c. Advanced Scuba Diving Training d. Basic Geographic Information	Resilient Sectors, PDRRMC	Conducted DRRM Trainings Courses for Resilient Sectors to improve their disaster management	2023-2025	PDRRMO, OCD, PSWDO	20,000,000.00	5% LDRRMF

<ul style="list-style-type: none"> <li>e. System (GIS) Training</li> <li>f. All Level Incident Command System (ICS) Course Training</li> <li>g. Emergency Operations Center Management Training Course</li> <li>h. Camp Coordination and Camp Management Training</li> <li>i. Psychosocial Support Training</li> <li>j. Climate and Disaster Risk Assessment Training</li> </ul>		capabilities				
<p>3. Capacity Building in the Barangay Level:</p> <ul style="list-style-type: none"> <li>a. CBDRRM Training to Major Tourism Sites</li> </ul>	5 Tourism Circuits	Conducted yearly CBDRRM training to identified Major Tourism Sites	2023-2025	PDRRMO, LUPTO, OCD	3,500,000.00	5% LDRRMF, GF
<p>3. Establishment of DRRM Training Institute:</p> <ul style="list-style-type: none"> <li>a. Training of Trainers in all DRRM Technical Courses</li> </ul>	20 Component LGUs	Conducted Training of Trainers to build pool of skilled instructors	2023-2024	PDRRMO, LGUs	5,000,000.00	5% LDRRMF
<ul style="list-style-type: none"> <li>b. Formulation of Standard Programs of Instructions (POI) and training module</li> </ul>	PDRRMO	Developed Standard Programs of Instruction and training modules to provide structure and consistent mode of training	2024-2025	PDRRMO, OCD	5,000,000.00	5% LDRRMF, GF
<p>4. Establishment of DRRM in the Academe:</p> <ul style="list-style-type: none"> <li>a. DRRM training for Schools</li> </ul>	All public schools	Conducted DRRM Training for Schools to	2023-2025	PDRRMO, OCD, Dep-Ed	25,000,000.00	5% LDRRMF, 5% MOOE (Dep-Ed)

		equip them with necessary knowledge and skills to handle emergencies				
b. Provision of DRRM equipments and supplies to Schools	All public schools	Equipped schools with basic DRRM equipments and supplies to increase their DRRM capacity	2023-2025	PDRRMO, Dep-Ed	50,000,000.00	5% LDRRMF, 5% MOOE (Dep-Ed)
5. Media in DRRM a. DRRM Training for Media personnel	Media personnels	Conducted DRRM Training for Media personnel	2023-2025	PDRRMO, OCD, PIO	3,000,000.00	5% LDRRMF
5. Conduct of Local Simulation Drill and Exercises: a. NSED b. Proficiency Skills Enhancement (PTX) Drills c. Contingency Plan Exercise Drill	General Public	Conducted quarterly Local Simulation Drill and Exercises as a tool for DRRM evaluation	2023-2025	PDRRMC, OCD,	50,000,000.00	5% LDRRMF
6. Establishment of ACDV Database	Trained Volunteers	Established ACDV database that will properly account and organize records of individuals trained in DRRM. Provide Insurance Coverage	2024-2025	PDRRMC	15,000,000.00	5% LDRRMF



**KEY OUTPUT 5. Formulated and implemented Comprehensive DRRM plans and policies**

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1. Formulation and Updating of DRRM Plans integrating COVID-19: a. PDRRMP b. Contingency Plans c. Public Service Continuity Plan d. LCCAP e. PDRRMO SOPG f. Disaster Response Plan g. Exercise Design for Disaster Response	COVID-19 integrated in all DRRM plans	Formulated and Updated DRRM Plans integrating minimum health standards for the prevention of COVID-19	2023-2025	PDRRMC, OCD	12,000,000.00	5% LDRRMF, GF

**KEY OUTPUT 6. Increased DRRM and CCA capacity of PDRRMC and Resilient Sector**

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1.Improvement and maintenance of LUPOS-EOC	One (1) LUPOS-EOC maintained	Improved and Maintained LUPOS-EOC for efficient and effective interoperability of DRRM Response system	2023-2025	PDRRMO, PEO, GSO	15,000,000.00	5% LDRRMF, GF
2. Provision of SRR, Medical and PPE Equipment and Supplies	100% Procured SRR, Medical, PPE and supplies	Equipped SRR, Medical and PPE Equipment and Supplies to sustain effective	2023-2025	PDRRMO, GSO, PHO	24,000,000.00	5% LDRRMF, GF

		emergency response				
3. Provision/Repair and Maintenance of Land Based Movement	100% Repaired and Maintained Land Based Movement Vehicle/Procured Land Based Movement Vehicle	Procured, maintained, repaired Land Based Vehicle for optimum transport services during emergency response	2023-2025	PDRRMO, PGSO	45,000,000.00	5% LDRRMF, GF
4. Provision/Repair and Maintenance of Sea Based Movement	100% Repaired and Maintained/Procured Sea Based Movement	Procured, maintained, repaired Sea Based Vehicle for optimum transport services during emergency response	2023-2025	PDRRMO, PGSO	35,000,000.00	5% LDRRMF, GF
5. Stockpiling of Relief Goods	Affected population during emergencies/disasters	Stockpiled Relief Goods to augment relief operations during disaster response	2023-2025	PDRRMO, PSWDO, GSO	15,000,000.00	5% LDRRMF
6. Establishment of EOC Warehouse System	One (1) ECO Warehouse System	Established EOC Warehouse System to ensure that manpower, equipment resources are well-managed	2024-2025	PDRRMO, PSWDO, GSO, ICTU	20,000,000.00	5% LDRRMF, GF

### **THEMATIC AREA NO. 3: DISASTER RESPONSE**

Disaster response refers to “any concerted effort by two (2) or more agencies, public or private, to provide assistance or intervention during or immediately after a disaster to meet the life preservation and basic subsistence needs of those people affected and in the restoration of essential public activities and facilities.”<sup>3</sup> In other words, the primary goal of disaster response is to rescue those who are in immediate danger and stabilize the physical and emotional condition of survivors. These go hand in hand with the recovery of the dead and the restoration of essential services such as water and power. How long this takes varies according to the scale, type and context of the disaster but typically takes between one and six months and is composed of a search and rescue phase in the immediate aftermath of a disaster followed by a medium-term phase devoted to stabilizing the survivors' physical and emotional condition.

Disaster response refers to the actions taken directly after a destructive event occurs. This may include, but is not limited to search and rescue efforts; emergency health care and injury assessment; food and water management; and shelter assignment for displaced individuals and families.

#### **Goal:**

To preserve lives, ensure health and safety and to meet the subsistence needs of the people affected based on acceptable standards during and immediately after a disaster

#### **Objectives:**

1. To reduce the number of lives lost during disasters
2. To provide affected population with basic necessities during and immediately after disasters

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<sup>3</sup> <https://www.officialgazette.gov.ph/2010/05/27/republic-act-no-10121/>

**KEY OUTPUT 7.** Quick, efficient and integrated disaster and emergency response operations

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1.Establishment of satellite office in all Tourism Circuits	5 Satellite Offices	Established satellite offices strategically located per Tourism Circuit for quicker response and coordination during emergencies	2023-2024	PDRRMO, PIO, DH	30,000,000.00	5% LDRRMF
2. Activation of Incident Command System and Emergency Operations Center	Province-wide	Activated Incident Command System and Emergency Operations Center every disaster/emergency to effectively respond and manage incidents	2023-2025	Incident Management Team, Response Clusters Members Agencies	13,500,000.00	5% LDRRMF
3. Establishment of a 911 Public Safety Answering Point or Local Call Center	1 Province - wide Local Call Center	Established 911 PSAP or Local Call Center to ensure coordinated and timely response to emergencies	2023-2025	PDRRMO	1,500,000.00	5% LDRRMF

4. Establishment of Province-wide Radio Communication system	20 Component LGUs	Established Radio Communication System to coordinate faster and effective response	2023-2025	PDRRMO, ICTU, LGUs	35,000,000.00	5% LDRRMF
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**KEY OUTPUT 8.** Prompt and accurate assessment of needs and damages in all levels

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1.Establishment of Provincial, Municipal, City and Barangay RDANA teams	One (1) Province, 20 component LGUs and all barangays	Established Provincial, Municipal, City and Barangay RDANA teams to augment quality and dependable Disaster Analysis and Needs Assessment report	2023-2025	Response Cluster member agencies	500,000.00	5% LDRRMF
2. Activation of assessment teams in all levels	20 component LGUs	Activated assessment teams in all levels in pre-disaster, onset of disaster and post-disaster phase to sustain structured and accurate	2023-2025	Response Cluster member agencies	500,000.00	5% LDRRMF

		reports				
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**KEY OUTPUT 9.** Ensured safety and well-being of affected and displaced population in Evacuation Centers

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1.Establishment of Standard Evacuation Centers	50% of 871 evacuation centers	Established standard Evacuation Centers in all LGUs which will provide safe and temporary shelter to the affected population during emergencies or disaster	2023-2025	PDRRMO, PSWDO, LGUs	5,000,000.00	5% LDRRMF
2. Establishment of Gender Sensitive Safe Spaces	100% of evacuation centers	Established gender sensitive spaces in the evacuation centers	2023-2025	PDRRMO, PSWDO, LGUs	3,000,000.00	5% LDRRMF
3. Establishment of Child-Friendly Spaces and Temporary Learning Area in the evacuation centers	100% evacuation centers	Established Child Friendly Spaces and Temporary Learning Area in the evacuation center to ensure the well-being and	2023-2025	PDRRMO, PWDO, DepEd, LGUs	3,000,000.000	5% MOOE (Dep-Ed) , 5% LDRRMF, GF

		development of children during disasters/emergencies.				
4. Provision of VAWC and Child Protection Desks in the evacuation area	100% of total evacuation centers	Established VAWC and Child Protection Desks in evacuation centers to address and prevent gender-based violence, as well as ensuring the safety and protection of women and children during emergencies	2023-2025	PDRRMO, PSWDO, PHO, PNP	3,000,000.00	5% LDRRMF
5. Provision of gender sensitive temporary shelters and tents	10,000 Tents	Procured gender sensitive temporary shelters and tents to promote privacy, dignity and gender rights protection	2024-2025	PDRRMO, PSWDO, PGSO, PEO	40,000,00.00	5% LDRRMF
6. Provision of Hygiene and Dignity Kits	10,000 hygiene and dignity kits	Procured hygiene and dignity kits to ensure that	2024-2025	PDRRMO, PSWDO, PGSO, PHO	30,000,0000.00	5% LDRRMF

		individuals, specifically women, girls have access to essential items during disasters				
7. Provision of PPEs to prevent COVID-19	10,000 PPEs	Procured PPEs to prevent the of COVID-19 and ensuring the safety of individuals, particularly to those with higher risk of exposure	2023-2025	PDRRMO, PGSO, PHO	30,000,000.00	5% LDRRMF

**KEY OUTPUT 10.** Indiscriminate provision of basic health services to affected and displaced population

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1.Establishment of DRRM-H Network	PDRRMC and Health Sector	Established DRRM-H Network	2023- 2025	PHO, PDRRMO	15,000,000.00	5% LDRRMF, GF
1.Provision of accessible medical and nutritional consultation in and out of evacuation centers	Affected population during emergencies/ disasters	Accessible medical and nutritional consultation in and out of evacuation centers during disasters	2023-2025	PHO, PSWDO	25,000,000.00	5% LDRRMF, GF
2. Provision of WASH services in and out of evacuation centers	Evacuation Centers and	Provided WASH services	2023-2025	PHO, PSWDO	30,000,000.00	5% LDRRMF, GF



	IDPs	in evacuation areas and to displaced population to sustain quality hygiene and sanitation				
3. Provision of MHPSS services to the affected and displaced population	Affected population during emergencies/ disasters	Provided MHPSS services to the affected and displaced population to support mental and emotional health for overall well-being	2023-2025	PHO, PSWDO, PGLU Hospitals	15,000,000.00	5% LDRRMF, GF
4. Provision of Food Items based on Required Nutrition Standard	5,000 Food Items	Provided food items based on required nutrition standard to sustain healthy body mechanism for overall well being	2023-2025	PDRRMO, PHO, PSWDO	35,000,000.00	5% LDRRMF, GF

**KEY OUTPUT 11.** Implemented Early Recovery System in the provincial, municipal/city and barangay levels

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1. Conduct of PDANA	Affected LGUs during emergencies/ disasters	Conducted Post Disaster Needs Assessment to affected LGUs during emergencies/ disasters to evaluate the impact and identify the needs of the community	2023-2025	Response Clusters Member Agencies	3,500,000.00	5% LDRRMF, GF
2. Formulation and implementation of Early Recovery Plan/System	20 component LGUs	Early planning recovery sessions to address the immediate and early stages of recovery	2024	Response Clusters Member Agencies	3,500,000.00	5% LDRRMF
3. Forge Private-Public Partnerships with key providers to augment Early Recovery efforts	Private-Public Stakeholders (MOA)	Forged private-public partnerships with key providers to support, guide and integrate capabilities and resources as well as technical assistance to	2024-2025	PPDO, PDRRMO and CSOs	2,500,000.00	5% LDRRMF, GF

		strengthen resilience and hasten early recovery efforts				
4. Design and implement alternative livelihood or income generating activities	Affected population during emergencies/ disasters	Implemented alternative livelihood and income generating activities to the affected population and IDPs to supplement income, diversify resources of income for a sustainable development	2023-2025	PPDO, PSWDO, LEIPU,	100,000,000.00	5% LDRRMF, DF

#### **THEMATIC AREA NO. 4: DISASTER REHABILITATION AND RECOVERY**

Rehabilitation and recovery plays a very important role in this preparation as (i) it can address the longer-term needs and challenges that makes a community vulnerable; and (ii) it provides the opportunity to increase the capacity of the society to cope and reduce the risk of future emergencies and disasters.

Rehabilitation are measures that ensure the ability of affected communities/areas to restore their normal level of functioning by rebuilding livelihood and damaged infrastructures and increasing the communities' organizational capacity. These are "actions taken in the aftermath of a disaster to enable basic services to resume functioning, assist victims' self-help efforts to repair physical damage, restore community facilities, revive economic activities and provide support for the psychological and social well-being of the survivors. It focuses on enabling the affected population to resume more or less normal patterns of life. It may be considered as a transitional phase between immediate relief and major long-term development."<sup>4</sup> It entails the restoration, reconstruction, and implementation of development measures that will enable affected localities and communities to return to normalcy and build resiliency from the impact of future disasters.

#### **Goal:**

To build a safer, adaptive, and disaster-resilient Filipino communities that are protected from risks and can cope with and recover quickly from disaster events

#### **Objectives:**

1. To restore, rehabilitate, or reconstruct damaged infrastructure necessary to sustain economic and social activities in the affected areas;
2. To repair houses or rebuild settlements and basic community facilities and services (school, health center, etc.) that are more resilient to hazard events;
3. To restore, strengthen, or expand the economic activities of affected communities; and
4. To increase resilience and capacities of communities in coping with future hazard events.

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<sup>4</sup> <https://old.amu.ac.in/emp/studym/100020470.pdf>

**KEY OUTPUT 12.** Identified rehabilitation and recovery needs and strategies to address them

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1. Conduct of PDANA	Affected LGUs during emergencies/ disasters	Conducted Post Disaster Needs Assessment to affected LGUs during emergencies/ disasters to evaluate the impact and identify the needs of the different sectors	2023-2025	Response Cluster Member Agencies	3,000,00.00	5% LDRRMF
2. Formulation of Rehabilitation and Recovery Plan	1 Rehabilitation and Recovery Plan (hazard specific)	Formulated Rehabilitation and Recovery Plan, including PPAs for Build Back Better Activities, Insurances, and providing livelihood program	2024-2025	Response Clusters Members Agencies	2,500,000.00	5% LDRRMF
3. Formulation of Economic Recovery Plan/Business Continuity Plan	5 tourism circuits	Formulated Economic Recovery Plan to aid the restoration of the economy of the affected area	2024-2025	PPDO, PSWDO, LEIPU, LUPTO, OPAG	2,500,000.00	5% LDRRMF

**KEY OUTPUT 13.** Economic recovery after disasters

<b>PPA</b>	<b>TARGET</b>	<b>OUTPUT</b>	<b>TIMEFRAME</b>	<b>PERSON RESPONSIBLE</b>	<b>AMOUNT</b>	<b>SOURCE OF FUND</b>
1. Conduct post-disaster economic impact study	Affected businesses during emergencies/ disasters	Conducted post-disaster impact study to the affected population to specifically address the severity of the impact of disaster to the economic growth of the community	2023-2025	Response Cluster member agencies	1,500,000.00	5% LDRRMF, GF, DF
2. Expand opportunities and income generation for emergency employment for post-crisis situations	Affected population during emergencies/ disasters	Provided income generation for emergency employment for post-crisis situations in cooperation with partner stakeholders	2023-2025	PSWDO, LEIPU	100,000,000.00	5% LDRRMF, GF, DF
3. Establishing linkage to Emergency microloan programs/ recovery loan resources	Affected population during emergencies/ disasters	Established linkage to Emergency microloan programs/ recovery loan resources to provide	2023-2025	PSWDO, Provincial Accounting Office	200,000,000.00	5% LDRRMF,GF, DF

		financial support to individuals or businesses for their recovery and resilience.				
4. Establishment of Business Recovery Center	One (1) Business Recovery Center	Established Business Recovery Center	2024-2025	PSWDO, LEIPU	250,000,000.00	5% LDRRMF, DF
5. Insurance coverage	Affected population during emergencies/ disasters	Provided risk insurance for the affected population, specifically to the farmers, livestock owners and fisherfolks	2023-2025	PSWDO, OPAg, OPVet	100,000,000.00	5% LDRRMF, GF
6. Farmlands assistance for soil rehabilitation	Affected farmlands/ farm owners	Provided assistance to the affected farmers/farmlands for soil rehabilitation	2023-2025	OPAg, ENRU	150,000,000.00	5% LDRRMF, GF
7. Distribution of agriculture aid packages to disaster stricken farmers	Affected farmlands/ farm owners	Distributed agriculture aid packages to affected population to provide immediate support to farmers	2023-2025	OPAg	150,000,000.00	5% LDRRMF, GF
8. Distribution of aquaculture aid packages to disaster stricken fisher	Affected fisherfolks	Distributed aquaculture	2023-2025	OPAg	150,000,000.00	5% LDRRMF, GF

folks		aid packages to disaster stricken fisher folks provides immediate support to fisherfolks				
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**KEY OUTPUT 14.** Implemented disaster and climate change resilient designs in the reconstruction of infrastructures

PPA	TARGET	OUTPUT	TIMEFRAME	PERSON RESPONSIBLE	AMOUNT	SOURCE OF FUND
1. Rehabilitation of damaged infrastructures	Damaged infrastructures during emergencies/disasters	Restored and repaired essential infrastructure systems including roads, bridges buildings, communication systems and other essential resources and services	2023-2025	PDRRMO, PEO, DPWH	500,000,000.00	5% LDRRMF
2. Implementation of Building Code	Province-wide	Constructed building or structure that conforms to the Building Code to ensure the safety, structural integrity, and its resiliency	2023-2025	PDRRMO, PEO, DPWH, BFP	100,000,000.00	5% LDRRMF



3. Promotion of Green Technology	Province-wide	Promoted Green Technology campaign to reduce and repair negative environmental and man-made impact of disaster	2024-2025	OPAg, ENRU	100,000,000.00	5% LDRRMF
4. Farm to market roads reconstruction	20 Component LGUs	Reconstructed Farm to Market Roads to enhance the agricultural and aquaculture connectivity and efficient movement of goods to market	2023-2025	PEO, DPWH	500,000,000.00	5% LDRRMF

## CHAPTER VI: MONITORING AND EVALUATION

### PROGRESS MONITORING

The monitoring of programs, projects and activities and assessment of progress of the Provincial Disaster Risk Reduction and Management Plan 2021-2025 is important in ensuring that the plan stays on track to achieve its intended results. Timely implementation and completion of projects will mitigate or minimize possible aggravation of the impacts of disasters. Monitoring generally involves the reporting of the status of implementation of individual PPAs with respect to inputs, outputs and process, and problem solving sessions to address the issues and concerns that cause delays in implementation and field validation.

### MONITORING ARRANGEMENTS

The Local Disaster Risk Reduction and Management Office of subcomponent LGUs and NGOs shall track the progress of their projects and submit reports to the Provincial Disaster Risk Reduction and Management Office, which consolidates the monitoring reports and submits them to the Office of the Provincial Governor.

The Local Disaster Risk Reduction and Management Officers shall be responsible for coordinating and preparing the monitoring reports to facilitate smooth monitoring and reporting.

The monitoring reports shall contain updates on the physical and financial accomplishments of the PPAs under the PDRRMP 2021-2025 in relation to the target outputs and funding requirements. Highlighting key issues and concerns in implementation and funding will facilitate immediate action or response from other concerned entities and prompt policy direction or advice from the concerned LDRRMO.

The frequency of LDRRMO accomplishments and prescribed date of submission of reports to the PDRRMO shall be once every month. All reports must be submitted not later than last Friday of the current month. Or, at the very minimum, an annual report should be prepared and submitted to the PDRRMO. However, this does not limit LDRRMOs from flagging issues and concerns, which may be done more frequently than the formal reporting.

The overall discussion of implementation issues and bottlenecks can be done through a dialogue of the concerned LDRRMO and the PDRRMO. The dialogue shall be done on a regular basis to immediately address issues and concerns.

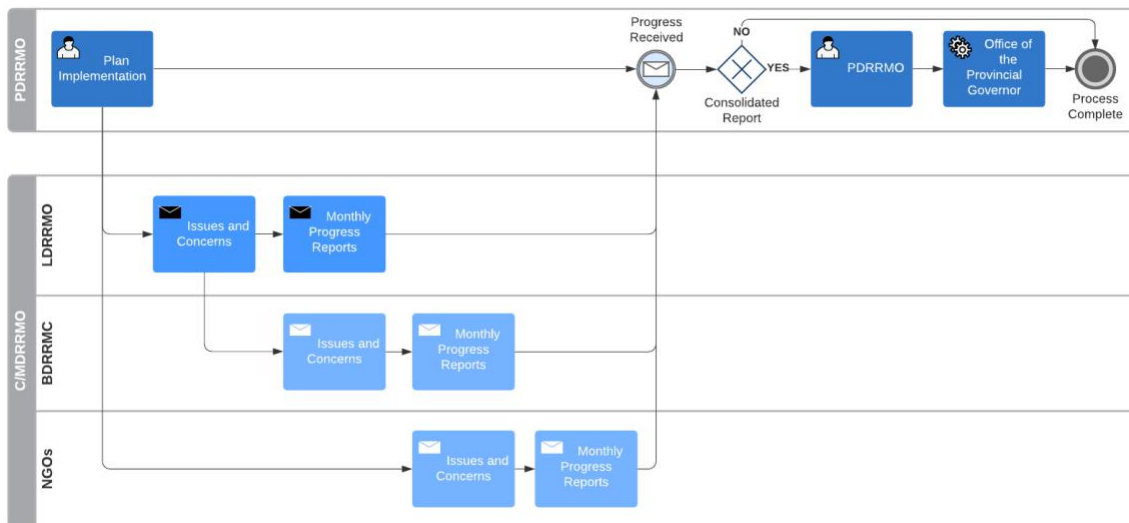
The PDRRMO, together with LDRRMO counterparts, shall also conduct periodic field validation activities, particularly for major projects and those that have problematic implementation.

### MONITORING AND REPORTING FORMS

An appropriate tool shall be used for all PPAs identified in this plan to minimize the need for training staff on using new monitoring tools. An online tracking tool shall be used to effectively update multiple LGU accomplishments simultaneously and a complementing

offline tracking tool shall be used in case where problems are encountered in the online system. It should, however, be ensured that these two (2) tracking tools are linked, inter-operable, and the data information can be shared.

Flowchart No. 1: Monitoring and Reporting Arrangements



## DISASTER PREVENTION AND MITIGATION

EXPECTED OUTPUT	TARGET	ACCOMPLISHMENT	MODE OF VERIFICATION	TIME FRAME	OPR/PPR	FUND/SOF
1. Conducted vulnerability, risk and hazard assessment to 20 Component LGUs every 1st quarter of election year	20 Component LGUs	20 Component LGUs with updated vulnerability, risk and hazard profile	Vulnerability, Risk and Hazard Profile of each LGU	2023-2025	PDRRMO, PPDO, DILG	5% LDRRMF
2. Conducted hazard mapping at the Provincial, Municipal/City and barangay level	20 Component LGUs	Updated Provincial, Municipal/City and Barangay hazard mapping	Updated hazard maps posted	2023-2025	PDRRMO, PPDO, DOST	5% LDRRMF
3. Conducted hazard research studies and disaster prevention projects that can promote sustainable development	Research on new technology and strategies for Disaster Prevention and Mitigation	Research publication on Disaster Prevention and Mitigation for La Union; Installation of new EWS technology	Published research study; established new EWS technology	2024-2025	PDRRMO, PPDO, DMMMSU, DOST	5% LDRRMF
4. Institutionalized EWS information sharing and communication systems among LGUs enable timely and coordinated response	20 Component LGUs	Operational end-to-end EWS and communications system in the province	Installed EWS and communications systems	2023-2025	PDRRMO, LGUs	5% LDRRMF
5. Established Weather Monitoring System in All Tourism Circuits	5 Tourism circuits	Operational Weather Monitoring Systems in all Tourism Sites	Installed Weather Monitoring Systems; reports on localized weather monitoring	2024-2025	PDRRMO, DOST	5% LDRRMF
6. Established CCTV- Based monitoring system to provide additional safety and security, provide real time monitoring and contributes to effective emergency response	20 component LGUs	All LGUs are equipped with CCTV monitoring system	CCTV cameras installed in strategic locations; CCTV room for monitoring; incident reports with CCTV footage	2023-2025	PDRRMO, ICTU, LGUs	5% LDRRMF

7. Established Public Address System to all Tourism Circuits enabled faster dissemination of information during emergencies in real time	5 Tourism Circuits	Functional Public Address System in all Tourism Circuits	Installed Public Address Systems in strategic locations in the Tourism Circuits	2024-2025	PDRRMO, ICTU, PIO, LGUs	5% LDRRMF
8. Established an integrated Radio Communications System to ensure effective communication during emergencies and disaster response	20 Component LGUs	Operational Radio Communications System in all LGUs	Installed Radio Communication System Provincewide	2023-2024	PDRRMO, ICTU	5% LDRRMF
9. Established Community-Based multi-hazard EWS to increase awareness about hazard, vulnerabilities and its potential impacts	All Barangays	Installed multi-hazard EWS in all barangays	Hazard signages posted	2023-2025	PDRRMO, PEO, PIO, LGUs	5% LDRRMF

**DISASTER PREPAREDNESS**

EXPECTED OUTPUT	TARGET	ACCOMPLISHMENT	MODE OF VERIFICATION	TIME FRAME	OPR/PPR	FUND/SOF
1.Developed DRRM-CCA IEC advocacies and programs to increase disaster awareness in high risk areas	20 Component LGUs, PDRRMC	DRRM-CCA advocacy plan and corresponding projects and activities	Calendar of activities	2023-2025	PDRRMC	5% LDRRMF
2.Distributed contextualized and laymanized IEC materials on DRRM-CCA to convey DRRM awareness up to the marginalized group	20 Component LGUs	Printed and distributed DRRM related IEC materials.	Printed IEC materials	2023-2025	PDRRMO, PIO	5% LDRRMF
3. Conducted yearly National Disaster Resilience Month Celebration for increased DRRM Awareness	General Public	One (1) yearly celebration of National Disaster Resilience Month	Activity Reports and Photo Documentation	2023-2025	PDRRMC	5% LDRRMF
4. Conducted IEC campaigns at the barangay level especially in GIDA/IP areas to increase their knowledge on DRRM and sustain resilience in the community	All GIDA and IP communities	Pep Talk, Basic DRR Trainings attended to by IP and population in GIDA areas	Activity Reports and Photo Documentation	2023-2025	PDRRMO, DRRM-H	5% LDRRMF
5. Conducted DRRM Training Courses to the LGUs to equip them with knowledge and skills in disaster response	20 Component LGUs	Trainings conducted: a.Standard First Aid and Basic Life Support b. Ambulance Operations Training c. High Angle Search and Rescue Training d. Basic Water Search and Rescue Training	Activity Reports, Certification of trained individuals	2023-2025	PDRRMO	5% LDRRMF

6. Conducted DRRM Trainings Courses for Resilient Sectors to improve their disaster management capabilities	Resilient Sectors, PDRRMC	Training conducted: a. Advanced Cardiac Life Support Training Swift Water Rescue Training b. Advanced Scuba Diving Training Basic Geographic Information System (GIS) Training c. All Level Incident Command System (ICS) Course Training d. Emergency Operations Center Management Training Course e. Camp Coordination and Camp Management Training f. Psychosocial Support Training g. Climate and Disaster Risk Assessment Training	Activity Reports, Certification of trained individuals	2023-2025	PDRRMO, OCD, PSWDO	5% LDRRMF
7. Conducted yearly CBDRRM training to identified Major Tourism Sites	5 Tourism Circuits	All barangays in major tourism sites have their local CBDRRM	Activity Reports, Approved CBDRRM	2023-2025	PDRRMO, LUPTO, OCD	5% LDRRMF, GF
8. Conducted Training of Trainers to build pool of skilled instructors	20 Component LGUs	Database of Trainers/ Instructors	Activity Reports, Certification of Trainers/ Instructors	2023-2024	PDRRMO, LGUs	5% LDRRMF, GF
9. Developed Standard Programs of Instruction and training modules to provide structure and consistent mode of training	PDRRMO	Approved POI and training modules	Printed POI and training modules	2024-2025	PDRRMO, OCD	5% LDRRMF, GF

10. Conducted DRRM Training for Schools to equip them with necessary knowledge and skills to handle emergencies	All public schools	Schools equipped with trained personnel and students; schools with DRRM corner	Activity Reports and Photo Documentation	2023-2025	PDRRMO, OCD, Dep-Ed	5% LDRRMF, GF
11. Equipped schools with basic DRRM equipments and supplies to increase their DRRM capacity	All schools trained in DRRM	Schools equipped with first aid and basic DRRM kits	Inventory of DRRM supplies in schools	2023-2025	PDRRMO, Dep-Ed	5% LDRRMF
12. Conducted DRRM Training for Media personnel	Media personnel	DRRM aware media coverage	Certification of DRRM trained media personnel; news clips	2023-2025	PDRRMO, OCD, PIO	5% LDRRMF
13. Conducted quarterly Local Simulation Drill and Exercises as a tool for DRRM evaluation	General Public	Evaluated local drills and exercises	Evaluation Forms	2023-2025	PDRRMC, OCD	5% LDRRMF
14. Established ACDV database that will properly account and organize record of individuals trained in DRRM	Trained Volunteers	Accessible and updated ACDV database	Database system	2024-2025	PDRRMC	5% LDRRMF
15. Formulated and Updated DRRM Plans integrating minimum health standards for the prevention of COVID-19	COVID-19 integrated in all DRRM plans	Integrated DRRM and COVID-19 plans	Specified plans and strategies for COVID-19 defined in DRRM plans	2023-2025	PDRRMC, OCD	5% LDRRMF, GF
16. Improved and Maintained LUPOS-EOC for efficient and effective interoperability of DRRM Response system	LUPOS-EOC properly maintained	Operational and functional EOC	Building integrity assessment reports by PEO	2023-2025	PDRRMO, PEO, GSO	5% LDRRMF, GF
17. Equipped SRR, Medical and PPE Equipment and Supplies to sustain effective emergency response	100% Procured SRR, Medical, PPE and supplies	Adequately supplied emergency and disaster operations	Inventory of supplies and equipment	2023-2025	PDRRMO, GSO, PHO	5% LDRRMF, GF



18. Procured, maintained, repaired Land Based Vehicle for optimum transport services during emergency response	100% Repaired and Maintained Land Based Movement Vehicle/Procured Land Based Movement Vehicle	Efficient emergency Land-Based Transportation services	Inventory of Land-Based Vehicles. Preventive maintenance report	2023-2025	PDRRMO, PGSO	5% LDRRMF, GF
19. Procured, maintained, repaired Sea Based Vehicle for optimum transport services during emergency response	100% Repaired and Maintained Sea Based Movement Vehicle/Procured Land Based Movement Vehicle	Efficient emergency Sea-Based Transportation services	Inventory of Sea-Based Vehicles. Preventive maintenance report	2023-2025	PDRRMO, PGSO	5% LDRRMF, GF
20. Stockpiled Relief Goods to augment relief operations during disaster response	100% Stockpiled Relief Goods	Sufficient stockpile of Relief Goods for emergency response and recovery	Inventory of Relief Goods	2023-2025	PDRRMO, PSWDO, PGSO	5% LDRRMF, GF
21. Established EOC Warehouse System to ensure that manpower, equipment resources are well-managed	One (1) ECO Warehouse System	EOC Warehouse in place	Inventory reports of all EOC assets, equipment and supplies	2024-2025	PDRRMO, PDWO, GSO, ICTU	5% LDRRMF, GF

DISASTER RESPONSE						
EXPECTED OUTPUT	TARGET	ACCOMPLISHMENT	MODE OF VERIFICATION	TIME FRAME	OPR/PPR	FUND/SOF
1. Established satellite offices strategically located per Tourism Circuit for quicker response and coordination during emergencies	5 Satellite Offices	Operational Satellite Offices in all Tourism Circuits	Satellite Office and staffing	2023-2024	PDRRMO, PIO, DH	5% LDRRMF
2. Activated Incident Command System and Emergency Operations Center every disaster/emergency to effectively respond and manage incidents	Province-wide	ICS Activation during disasters and emergencies	Incident Action Plan	2023-2025	Incident Management Team, Response Clusters Member Agencies	5% LDRRMF
3. Established 911 PSAP or Local Call Center to ensure coordinated and timely response to emergencies	Province-wide	Operational 911 PSAP or Local Call Centers in La Union	911 PSAP	2023-2025	PDRRMO	5% LDRRMF
4. Established Radio Communication System to coordinate faster and effective response	20 Component LGUs	Operational Radio Communications System	Radio Communications System	2023-2025	PDRRMO, ICTU, LGUs	5% LDRRMF
5. Established Provincial, Municipal, City and Barangay RDANA teams to augment quality and dependable Disaster Analysis and Needs Assessment report	One (1) Province, 20 component LGUs and all barangays	RDANA teams deployment during disasters	RDANA reports	2023-2025	Response Cluster Member Agencies	5% LDRRMF
6. Activated assessment teams in all levels in pre-disaster, onset of disaster and post-disaster phase to sustain structured and accurate reports	20 component LGUs	Deployment of assessment teams in the provincial, municipal/city and barangay level	Assessment reports	2023-2025	Response Cluster Member Agencies	5% LDRRMF

7. Established standard Evacuation Centers in all LGUs which will provide safe and temporary shelter to the affected population during emergencies or disaster	50% of Identified Evacuation Centers	Construction of new evacuation centers compliant to required standards	Location of evacuation centers,	2023-2025	PDRRMO, PSWDO, LGUs	5% LDRRMF
8. Established gender sensitive spaces in the evacuation centers	100% evacuation centers	Gender-sensitive evacuation centers	Accomplishment Reports	2023-2025	PDRRMO, PSWDO, LGUs	5% LDRRMF
9. Established Child Friendly Spaces and Temporary Learning Area in the evacuation center to ensure the well-being and development of children during disasters/ emergencies.	100% evacuation centers	Child-Friendly Evacuation Centers	Accomplishment Reports	2023-2025	PDRRMO, PSWDO, DepEd, LGUs	5% MOOE (DepEd), 5% LDRRMF, GF
10. Established VAWC and Child Protection Desks in evacuation centers to address and prevent gender-based violence, as well as ensuring the safety and protection of women and children during emergencies	100% evacuation centers	Safe and protected women, children and vulnerable groups in the evacuation centers	VAWC and Child Protection Desk Accomplishment reports	2023-2025	PDRRMO,PSWDO, PHO,PNP	5% LDRRMF
11. Procured gender sensitive temporary shelters and tents to promote privacy, dignity and gender rights protection	10,000 Tents	Protected gender rights, privacy and dignity during disasters	Accomplishment reports	2024-2025	PDRRMO, PSWDO, PGSO, PEO	5% LDRRMF
12. Procured hygiene and dignity kits to ensure that individuals, specifically women, girls have access to essential items during disasters	10,000 hygiene and dignity kits	Basic necessities are met during disasters	Inventory/Distribution list	2024-2025	PDRRMO, PSWDO, PGSO, PHO	5% LDRRMF

13. Procured PPEs to prevent the of COVID-19 and ensuring the safety of individuals, particularly to those with higher risk of exposure	10,000 PPEs	No active COVID-19 transmission during disasters	COVID-19 case reports	2023-2025	PDRRMO, PGSO, PHO	5% LDRRMF
14. Established DRRM-H Network	PDRRMC and Health Sector	Functional DRRM-H network	DRRM-H reports	2023-2025	PHO,PDRRMO	5% LDRRMF, GF
15. Accessible medical and nutritional consultation in and out of evacuation centers during disasters	Affected population during emergencies/ disasters	Medical and nutritional health services delivered during disasters	Medical records	2023-2025	PHO, PSWDO	5% LDRRMF, GF
16. Provided WASH services in evacuation areas and to displaced population to sustain quality hygiene and sanitation	Evacuation Centers and IDPs	Hygiene and sanitation maintained during disasters	Accomplishment reports	2023-2025	PHO, PSWDO	5% LDRRMF, GF
17. Provided MHPSS services to the affected and displaced population to support mental and emotional health for overall well-being	Affected population during emergencies/ disasters	Addressed mental health concerns of affected population during disasters	Medical records	2023-2025	PHO, PSWDO, PGLU Hospitals	5% LDRRMF, GF
18. Provided food items based on required nutrition standard to sustain healthy body mechanism for overall well being	5,000 Food Items	Nutritional needs of the affected population are met	Accomplishment Report	2023-2025	PDRRMO, PHO, PSWDO	5% LDRRMF, GF
19. Conducted Post Disaster Needs Assessment to affected LGUs during emergencies/disasters to evaluate the impact and identify the needs of the community	Affected LGUs during emergencies/disasters	Deployment of PDANA teams	PDANA reports and recommendations	2023-2025	Response Cluster Member Agencies	5% LDRRMF, GF

20. Formulated one(1) Early Recovery Plan/ System to address the immediate and early stages of recovery	20 component LGUs	Approved Early Recovery Plan	Printed and disseminated Early Recovery Plan	2024	Response Cluster Member Agencies	5% LDRRMF
21. Forged private-public partnerships with key providers to support, guide and integrate capabilities and resources as well as technical assistance to strengthen resilience and hasten early recovery efforts	Stakeholders	Private-Public partnerships	MOA/MOU	2024-2025	PPDO, PDRRMO and CSOs	5% LDRRMF, GF
22. Implemented alternative livelihood and income generating activities to the affected population and IDPs to supplement income, diversify resources of income for a sustainable development	Affected population during emergencies/disasters	100% of Beneficiaries	Accomplishment Report	2023-2025	PPDO, PSWDO, LEEIPU	5% LDRRMF, DF

## DISASTER REHABILITATION AND RECOVERY

EXPECTED OUTPUT	TARGET	ACCOMPLISHMENT	MODE OF VERIFICATION	TIME FRAME	OPR/PPR	FUND/SOF
1. Conducted Post Disaster Needs Assessment to affected LGUs during emergencies/disasters to evaluate the impact and identify the needs of the different sectors	Affected LGUs during emergencies/disasters	Deployment of PDANA teams	PDANA reports and recommendations	2023-2025	Response Cluster Member Agencies	5% LDRRMF
2. Formulated Rehabilitation and Recovery Plan, including PPAs for Build Back Better Activities, Insurances, and providing livelihood program	1 Rehabilitation and Recovery Plan (hazard specific)	Approved Rehabilitation and Recovery Plan	Printed and disseminated Rehabilitation and Recovery Plan	2024-2025	Response Cluster Member Agencies	5% LDRRMF
3. Formulated Economic Recovery Plan to aid the restoration of the economy of the affected area	5 Tourism Circuits	Approved Economic Recovery Plan	Printed and disseminated Economic Recovery Plan	2024-2025	PPDO, PSWDO, LEEIPU, LUPTO, Opag	5% LDRRMF
4. Conducted post-disaster impact study to the affected population to specifically address the severity of the impact of disaster to the economic growth of the community	Affected businesses during emergencies/disasters	Findings from impact study on economic effects of the disaster	Printed and disseminated impact study	2023-2025	Response Cluster Member Agencies	5% LDRRMF, GF, DF
5. Provided income generation for emergency employment for post-crisis situations in cooperation with partner stakeholders	Affected population during emergencies/disasters	% of beneficiaries	Accomplishment report	2023-2025	PSWDO, LEEIPU	5% LDRRMF, GF, DF

6. Established linkage to Emergency microloan programs/ recovery loan resources to provide financial support to individuals or businesses for their recovery and resilience.	Affected population during emergencies/disasters	Linkages to financial support institutions	MOA/MOU	2023-2025	PSWDO, Provincial Accounting Office	5% LDRRMF, GF, DF
7. Established Business Recovery Center	One (1) Business Recovery Center	Business Recovery Center services availed by affected businesses	Accomplishment reports	2024-2025	PSWDO, LEEIPU	5% LDRRMF, DF
8. Established risk insurance for the affected population, specifically to the farmers, livestock owners and fisherfolks	Affected population during emergencies/disasters	Approved insurance coverage for farmers, livestock owners and fisherfolks	Accomplishment reports	2023-2025	PSWDO, OPAg, OPVet	5% LDRRMF, GF
9. Provided assistance to the affected farmers/farmlands for soil rehabilitation	Affected farmlands/ farm owners	% of beneficiaries	Accomplishment report	2023-2025	OPAg, ENRU	5% LDRRMF, GF
10. Distributed agriculture aid packages to affected population to provide immediate support to farmers	Affected farmlands/ farm owners	% of beneficiaries	Accomplishment report	2023-2025	OPAg	5% LDRRMF, GF
11. Distributed aquaculture aid packages to disaster stricken fisher folks provides immediate support to fisherfolks	Affected fisherfolks	% of beneficiaries	Accomplishment report	2023-2025	OPAg	5% LDRRMF, GF
12. Restored and repaired essential infrastructure systems including roads, bridges buildings, communication systems and other essential resources and services	Damaged infrastructures during emergencies/disasters	Restored critical lifelines	Program of Works	2023-2025	PDRRMO, PEO, DPWH	5% LDRRMF

13. Constructed building or structure that conforms to the Building Code to ensure the safety, structural integrity, and its resiliency	province-wide	Disaster and CC Resilient buildings and structures; projects that employ Green Technology	Program of Works	2023-2025	PDRRMO, PEO, DPWH	5% LDRRMF
14. Promoted Green Technology campaign to reduce and repair negative environmental and man-made impact of disaster.	province-wide	Structures and facilities utilizing Green Technology	Program of Works	2023-2025	PDRRMO, PEO, DPWH	5% LDRRMF
15. Reconstructed Farm to Market Roads to enhance the agricultural and aquaculture connectivity and efficient movement of goods to market	province-wide	Disaster and CC resilient Farm to Market Roads	Program of Works			



**TRAININGS, SEMINARS AND FORUMS ON CCA-DRR**

<b>TRAININGS/SEMINARS</b>	<b>YEAR</b>	<b>SPONSOR AGENCY</b>	<b>TOTAL NUMBER OF PARTICIPANTS</b>
Rapid Earthquake Damage Assessment Training	2017	DOST-PHIVOLCS	7
Emergency Telecommunicator - 911	2017	DILG	9
Basic Incident Command System (1st Batch)	2017	OCD	12
Advanced Cardiac Life Support	2018	ILEAD	15
Incident Command System Position Course	2018	OCD	2
All Hazard Incident Management Team Training Course	2018	OCD	2
Training for Instructors - First Aid and Basic Life Support	2018	PDRRMO	15
Psychosocial Support Training	2018	PSWDO, DSWD	11
Fire Suppression Training	2019	BFP	20
Camp Coordination and Camp Management	2019	PSWDO, DSWD	11
Community Based Disaster Risk Reduction and Management	2019	PSWDO, DSWD	2
Post - Disaster Assessment Needs Analysis (1st Batch)	2019	OCD	3
Coaches Training on Quality Assurance	2019	LGA	1

System for BDRRM planning and Localization of the Comprehensive Emergency Program for Children			
Emergency Operations center (EOC) Training - 1st Batch	2019	OCD	2
Humanitarian Assistance Disaster Response Training	2021	AFP	4
Emergency Operations center (EOC) Training - 1st Batch	2022	OCD	1
Post - Disaster Assessment Needs Analysis (2nd Batch)	2022	OCD	2
Basic Incident Command System (2nd Batch)	2022	OCD	18
Integrated Planning on ICS Level 2	2022	OCD	20
Training for Instructors Enhanced Local Climate Change Adaptation Plan	2022	LGA	1
Emergency Medical Technician	2022	PEMSA	13
Health Emergency Response Operation	2022	DOH	5

**PROVINCE OF LA UNION  
PROVINCIAL DRRM COUNCIL DIRECTORY**

<b>OFFICE</b>	<b>CONTACT NUMBERS</b>	<b>EMAIL ADDRESS</b>
Office of the Governor Provincial Government of La Union	(072) 242 -55-550	govrafy@launion.gov.ph
Philippine National Police, La Union Provincial Police Office	(072) 607-51-00	
Provincial Disaster Risk Reduction and Management Office, PGLU	(072) 607-87-23	pglu_pdrmo@launion.gov.ph
Office of the Sangguniang Panlalawigan, PGLU	(072) 242 -55-550	pglu_spo@launion.gov.ph
Office of the Sangguniang Panlalawigan, PGLU	(072) 242 -55-550	pglu_spo@launion.gov.ph
Office of the Sangguniang Panlalawigan, PGLU	(072) 242 -55-550	pglu_spo@launion.gov.ph
Local Government Unit of Agoo, La Union	(072) 710-02-41; (072) 710-18- 65	
Office of the Sangguniang Panlalawigan, PGLU	(072) 242 -55-550	pglu_spo@launion.gov.ph
Provincial Planning and Development Office, PGLU	(072) 242 -55-550	pglu_ppdo@launion.gov.ph
Provincial Social Welfare and Development Office, PGLU		pglu_pswdo@launion.gov.ph
Provincial Health Office, PGLU	(072) 607- 2633/09189273392	pglu_pho@launion.gov.ph
Office of the Provincial Agriculturist, PGLU		pglu_opag@launion.gov.ph
Provincial Engineering Office, PGLU	(072) 242 -55-550	pglu_peo@launion.gov.ph
Office of the Provincial Veterinarian, PGLU	(072) 607-0248	opvet@launion.gov.ph
Provincial Budget Office, PGLU	(072) 242 -55-550	pglu_pbo@launion.gov.ph

Provincial Treasury Office, PGLU	(072) 242 -55-550	pglu_pto@launion.gov.ph
Office of the Provincial Accountant, PGLU	(072) 242 -55-550	pglu_accounting@launion.gov.ph
Provincial Legal Office, PGLU	(072) 242 -55-550	pglu_plo@launion.gov.ph
Provincial Information Office, PGLU	(072) 242 -55-550	info@launion.gov.ph
Office of the Sangguniang Panlalawigan, PGLU	(072) 242 -55-550	pglu_spo@launion.gov.ph
Office of the Governor-Environment and Natural Resources Unit, PGLU	(072) 242 -55-550	pglu_enru@launion.gov.ph
General Services Office, PGLU	(072) 687-1557	pgso_launion@yahoo.com
La Union Medical Center, PGLU	(072) 607-59-38	pglu_lumc@launion.gov.ph
Caba District Hospital, PGLU	(072)607-06-33	cmch@launion.gov.ph, cdh@launion.gov.ph
Naguilian District Hospital, PGLU	(072) 609-18-53	
Bacnotan District Hospital, PGLU	(072) 607-54-53 (072) 607-40-44	bdh_bacnotan@yahoo.com
Balaoan District Hospital, PGLU	(072) 603-0280; 0945-822-4312; 0961-050-7005	bldh@launion.gov.ph
Rosario District Hospital, PGLU	(072) 687-99-88 (072) 687-04-56	rdh@launion.gov.ph

Department of Education La Union Schools Division Office	(072) 607-8127	
Northern Luzon Command, Armed Forces of the Philippines	0945 491 2185	
Coast Guard Station - La Union	(072) 607-28-77	
Bureau of Fire Protection, Provincial Headquarters La Union	(072) 607-40-66; 0915-934-3330	
Department of Interior and Local Government, La Union Provincial Office	(072) 888-21-65 ; (072) 607-71-69	
Department of Trade and Industry, La Union Provincial Office	(072) 888-24-55	
Philippine Red Cross San Fernando City La Union Chapter	(072) 700-31-71	
Provincial Environmental and Natural Resources Office - La Union	(072) 888-75-67 (072) 619-37-48	
Department of Science and Technology, La Union Provincial Office	(072) 242- 06-63	launion@region1.dost.gov.ph
Department of Labor and Employment, La Union Field Office	0947-896-5828	
La Union 1st District Engineering Office, Department of Public Works and Highways	(072) 700-29-38	
La Union 2nd District Engineering Office, Department of Public Works and Highways	0917-714-6999	
National Irrigation Administration - La Union Irrigation Management Office	(072) 687-07-03	

Don Mariano Marcos Memorial State University	(072) 242 - 11-17 loc 209, 2015	
La Union Medical Society	(072) 700 4954	
La Union Vibant Women, Inc.		
Lupon ng mga Indibidwal na Nangangalaga sa Kalikasan	(072) 242 -55-550	
Roman Catholic Diocese of San Fernando de La Union	(072)700-4640; 888-2353	

**PROVINCE OF LA UNION**  
**DIRECTORY OF DOH ACCREDITED HOSPITALS**

<b>Hospital</b>	<b>Address</b>	<b>Emergency Room</b>	<b>Admin Office</b>
Ilocos Training and Regional Medical Center	Parian, City of San Fernando, La Union	0910-563-5520; 0915-855-4459; (072) 607-2418/6422 loc 014-015	(072) 607-2418 loc 127
La Union Medical Center	Nazareno, Agoo, La Union	(072) 607-5541 to 45; 0915-666-1306	
Balaoan District Hospital	Bungol, Balaoan, La Union	0945-822-4312; 0998-339-2214; 0970-654-8805	
Bacnotan District Hospital	Poblacion, Bacnotan, La Union	09516762335; 0956-542-8297; 0910-165-0928(triage); (072) 607-5453	(072) 607-4044
Caba District Hospital	Poblacion Sur, Caba, La Union	0956-481-7840, (072) 619- 7194	(072) 607-0633
Naguilian District Hospital	Natividad, Naguilian, La Union	(072) 609-1018; 0939-935-7650	(072) 609-1853; (072) 619-2662
Rosario District Hospital	Concepcion, Rosario, La Union	(072) 687-9988;	(072) 687 0456
Lorma Medical Center	Carlatan, City of San Fernando, La Union	0917-593-1390; (072) 888-2617; 0917-583-3069	(072) 700-0000
Bethany Hospital	Brgy II, City of San Fernando, La Union	0917-518-0880; (072) 242-0804; (072) 888-2930	072 242 0804
La Union Medical Diagnostic Center and Hospital	Catbangan, City of San Fernando, La Union	0933-865-6503; (072) 607-83-39; 0930-492-8341	(072) 607-8898, (072) 607- 8339
Agoo Family Hospital	San Pedro, Agoo, La Union	(072) 521-0648	(072) 607-2708, 09175640199.

**PROVINCE OF LA UNION**  
**DIRECTORY OF LOCAL DISASTER RISK REDUCTION AND MANAGEMENT OFFICERS (DRRMOs)**

<b>CITY/MUNICIPALITY</b>	<b>Local DRRMO Emergency Operation Center Hotlines</b>	<b>Office Email Address</b>	<b>Other Emergency Numbers/ Municipal Hotlines/Local Response Unit</b>
Agoo	0929-558-7444 0995- 054-5741 (072) 607-49-29	agoomdrmo@yahoo.com,	RHU: 0905-235-8713, 0947-473-2913; Lying-In: (072) 607-4187
Aringay	(072) 889-6045 0998-962-4436	lgu_aringay@yahoo.com, lgu_mdrmm_aringay@yahoo.com,	RHU: (072) 607-9464/ 0929-246-1245/ 0917-823-7596/ 0917-830-7403/ 0917-800-1605
Bacnotan	0949-472-4161 0917-773-9994	lgubtn@gmail.com, romelmontipalco1018@gmail.com	BFP EMS: 0915-934-8187
Bagulin	0977-265-9798 0967-955-2905	melvin_orodio.gana@yahoo.com	PNP: 0915-889-3737  RHU: 0946-638-7988
Balaoan	0961-100-9900 0946-072-2976	balaoan_2517@yahoo.com.ph, francis.siapno77@gmail.com	PNP: 0928-818-0015 RHU: 0961-021-6145
Bangar	0921-924-2844 0926-014-0122 (072) 682-0462	lgubangar2@gmail.com, lgubangar.mdrmo@gmail.com, mhavick_m39@yahoo.com	RHU: 0998-343-4568 /(072) 607 4245
Bauang	(072) 607-2911 (072) 888-1565 0998-575-3188	mdrrmo.lgubauang@gmail.com	BFP EMS: 0917-122-0497
Burgos	0981-013-5036	ldrrmoburgoslu@gmail.com	RHU: 0920-893-8745/ 0905-320-3145 PNP: 0998-598-5161
Caba	(072) 607-3420 (072) 607-0312 0915-247-3936	ldrrmocaba@yahoo.com	PNP: 0917-856-3808
Luna	0919-940-2888 0919-940-6888 0998-598-5163	lunalaunion@gmail.com	PNP: 0998-967-3041 BFP EMS: 0917-184-8711/0915-9348-818



	0918-257-3613		
Naguilian	0953-238-5049 0921-471-6619	munnaguilian@yahoo.com, naguilianmenro@gmail.com	BFP EMS: 0917-184-9711 / 0951-442-8752 RHU: (072) 619-4917 / (072) 619-4928 (RHU)
Pugo	0956-407-8212 0938-860-5915	mdrrmopugo@gmail.com	Mayor's Office: 0917-501-2397 RHU: 0945-826-1416 BFP EMS: 0927-255-3556
Rosario	0905-701-4082 0946-338-7610 0907-710-0879	enricoguray@rocketmail.com / gurayenrico33@gmail.com	Mayor's Office: 0917-714-0515 RHU: 0905-341-0558 / 0912-267-4723 BFP EMS: 0917-185-1711
San Fernando (City)	0928-522-0622 0928-193-7818 0917-676-7673 (ECthree)	citydrrmosanfernando@gmail.com, amazingcdrmo@gmail.com	CHO: (072) 888-6915, BFP: (072) 607-7880 / 0945-823-9306 PNP: (072) 607-8954 / 0915-558-8888
San Gabriel	0905-819-7375 0956-651-5953	sglu.localgov@gmail.com, sglu.localgov@yahoo.com, romlchan84rn@yahoo.com.ph	BFP EMS: 0917-185-2711 RHU: (072) 682- 0504
San Juan	0912-147-5040 0905-513-2488	sjlu.watchtower@gmail.com	BFP EMS: 0917-185-2711 RHU: (072) 682- 0504
Santol	0917-730-2412 0918-391-3674	mdrrmo.santol@yahoo.com, lgusantol.gov.ph@gmail.com, jeromenavaera@gmail.com	RHU: 0908-910-1225 / 09458218228 BFP EMS: (072) 603-0452 / 09171843711 PNP: 09985985171 / 09453993642
Sto. Tomas	0950-393-8320 0945-198-8450	launionlgusantotomas@gmail.com, mdrrmosantotomaslu@gmail.com	PNP: 0927-469-4472 BFP: 0915-934-8167
Sudipen	0969-303-5388 0956-011-9260 (072) 607- 05-31	lgu.sudipen@yahoo.com, mdrrmosudipen@gmail.com	PNP: 0999-570-0863 RHU: (072) 607-2351

		ail.com	
Tubao	0946-574-5436	lgutubao@yahoo.com / nepangod@yahoo.com	RHU: 0999-788-0606 / 09631554340 PNP: 0915-999-8432 /09985985174 BFP: 09171858711

**PROVINCE OF LA UNION**

**DIRECTORY OF LOCAL POLICE OFFICES/ POLICE STATIONS**

Region/ Province/ City/ Municipality	Address	Contact Numbers	
		Operations/ Hotline	COPs Issued Number
Police Regional Office 1	Camp B. Gen Oscar M. Florendo, Parian, City of San Fernando, La Union	(072) 607- 64-66; 0918-925-1756	
La Union Provincial Police Office	Camp Diego Silang, Carlatan, City of San Fernando, La Union	(072) 607-5100; (072) 700-5100	9985985152
Agoo Police Station	Agoo, La Union	0939-836-8473 / 0915-857-4117	9989673031
Aringay Police Station	Aringay, La Union	0926-616-8181	9989673032
Bacnotan Police Station	Bacnotan, La Union	0915-513-7245 / 0908-487-2193	9989673034
Bagulin Police Station	Bagulin, La Union	0915-889-3737	9989673035
Balaoan Police Station	Balaoan, La Union	0928-818-0015	9989673036
Bangar Police Station	Bangar, La Union	0930-406-1148	9989673037
Bauang Police Station	Bauang, La Union	0949-787-9004	9989673038
Burgos Police Station	Burgos, La Union	0998-598-5161	9989673039
Caba Police Station	Caba, La Union	0917-856-3808	9989673040
Luna Police Station	Luna, La Union	09176812907 / 09298815646	9989673041
Naguilian Police Station	Naguilian, La Union	0921-967-0229	9989673042
Pugo Police Station	Pugo, La Union	09395081046 / 09985985165	9989673043

Rosario Police Station	Rosario, La Union	0927-530-3802	9989673044
San Fernando (City) Police Station	Tanqui, City of San Fernando, La Union	(072) 607-8954/0939-812-6888 / 0915-558-888/0998-598-5167	9989673045
San Juan Police Station	San Juan, La Union	0947-324-9303	9989673047
San Gabriel Police Station	San Gabriel, La Union	0912-541-1401	9989673046
Santol Police Station	Santol, La Union	0998-598-5172	9989673048
Sto. Tomas Police Station	Sto. Tomas, La Union	0999-155-5163	9989673049
Sudipen Police Station	Sudipen, La Union	(072) 607-8046/0998-598-5173/0998-598-5173/0905-100-0830	9989673050
Tubao Police Station	Tubao, La Union	0915-999-8432	9989673051

**PROVINCE OF LA UNION**

**DIRECTORY OF LOCAL FIRE HEADQUARTERS/ FIRE STATIONS**

Region/ Province/ City/ Municipality	Address	Contact Numbers	
		Operations/ Hotline	COPs Issued Nr
BFP Regional Headquarters I	BFP Regional Office 1, Patac, Sto. Tomas, La Union		0977-854-0714
La Union BFP Provincial Headquarters	Marc II Building, National Highway, Aringay, La Union	0917-186-2711	(072) 607-4066
Agoo Fire Station	Agoo, La Union	0917-183-9711	(072) 603- 0487/ (072) 603 - 0836/ (072) 687-0525
Aringay Fire Station	Aringay, La Union	0917-184-1711	(072) 607-6895
Bacnotan Fire Station	Bacnotan, La Union	(072) 607-5472	
Bagulin Fire Station	Suyo, Bagulin, La Union	0917-806-5470	
Balaoan Fire Station	Balaoan, La Union	0917-184-3711	
Bangar Fire Station	Bangar, La Union	0917-184-5711	(072) 603- 0450
Bauang Fire Station	Bauang, La Union	0917-220-0497	(072) 619-4377
Burgos Fire Station	(Covered by Naguilian Fire Station)	0917-184-9711/ 0951-442-8752	
Caba Fire Station	Poblacion, Caba, La Union	0917-840-5664/0919-611-8856	
Luna Fire Station	Luna, La Union	0917-184-8711/0915-9348-818	
Naguilian Fire Station	Naguilian, La Union	0917-184-9711/ 0951-442-8752	

Pugo Fire Station	Pugo, La Union	0927-255-3556/0917-185-9711	
Rosario Fire Station	Rosario, La Union	0915-934-8174/ 0917-185-1711/0932-605-2057	(072) 682-0041
San Fernando (City) Fire Station	City of San Fernando, La Union	0917-183-8711	(072) 607-7880
San Gabriel Fire Station	San Gabriel, La Union	0917-185-2711	(072) 682-0019
San Juan Fire Station	San Juan, La Union	0919-996-1900/0917-185-3711	
Santol Fire Station	(Covered by Balaoan Fire Station)	0917-184-3711	
Sto. Tomas Fire Station	Sto. Tomas, La Union	0917-185-4711	
Sudipen Fire Station	Sudipen, La Union	0917-185-5711	(072) 603-0451
Tubao Fire Station	Tubao, La Union	0917-185-8711	

## RISK ASSESSMENT

HAZARD AND RISK IDENTIFICATION		RISK ANALYSIS						RISK EVALUATION AND CONTROL		
THREAT	RISK	LIKELIHOOD		IMPACT		RISK SCORE		CURRENT CONTROL MEASURES IN PLACE	EFFECTIVENESS	RISK MITIGATING MEASURES
Natural, Human – Induced, Technological, Biological, External, Internal	Risks can be categorized as the following: 1. People 2. Facility 3. Public 4. Process 5. Supply Chain 6. ICT	Assess likelihood in terms of Frequency and Probability  5. Frequent/ Almost 4. Likely 3. Possible 2. Unlikely 1. Rare		Assess the impact as:  5. Extreme 4. Major 3. Moderate 2. Minor 1. Incidental		Assess the risk as  Very High, High, Moderate, Low, Very Low		Indicate current control measures in place	Assess effectiveness of current controls  5 – With controls in place which are working and controls in place are industry leading practice 4 – with highly effective controls in place, with little room for improvement 3 – with fairly effective controls in place but needs improvement 2 – with controls in place but are ineffective 1 – no controls in place	Action plan to further reduce or mitigate risks if current controls are not sufficient
<b>Hydro-Metrological Hazard Induced Flooding</b>  <b>(Total Risk Score = 59)</b>	People	5	Frequent	5	Extreme	25	Very High	PSCP, PDRP	5	Annual Updating of Plans
	Facility	1	Rare	1	Incidental	1	Very Low	PSCP, PDRP	5	Annual Updating of Plans
	Public	4	Likely	5	Extreme	20	High	PSCP, PDRP	4	Annual Updating of Plans
	Process	2	Unlikely	4	Major	8	Low	PSCP, PDRP	3	Annual Updating of Plans
	Supply Chain	2	Unlikely	2	Minor	4	Very Low	PSCP, PDRP	2	Annual Updating of Plans
	ICT	1	Rare	1	Incidental	1	Very Low	PSCP, PDRP	3	Annual Updating of Plans
<b>Hydro-Metrological Hazard Induced Landslide</b>  <b>(Total Risk Score = 66)</b>	People	3	Possible	5	Extreme	15	Moderate	PSCP, PDRP	5	Annual Updating of Plans
	Facility	5	Frequent	5	Extreme	25	Very High	PSCP, PDRP	4	Annual Updating of Plans
	Public	4	Likely	3	Moderate	16	High	PSCP, PDRP	4	Annual Updating of Plans
	Process	2	Unlikely	2	Minor	4	Very Low	PSCP, PDRP	3	Annual Updating of Plans

## RISK ASSESSMENT


	Supply Chain	2	Unlikely	1	Incidental	2	Very Low	PSCP, PDRP	3	Annual Updating of Plans
	ICT	2	Unlikely	2	Minor	4	Very Low	PSCP, PDRP	3	Annual Updating of Plans
<b>Hydro-Metrological Hazard Induced Storm Surge</b>  <b>(Total Risk Score = 53)</b>	People	5	Frequent	5	Extreme	25	High	PSCP, PDRP	5	Annual Updating of Plans
	Facility	1	Rare	1	Incidental	1	Very Low	PSCP, PDRP	5	Annual Updating of Plans
	Public	4	Likely	5	Extreme	20	High	PSCP, PDRP	4	Annual Updating of Plans
	Process	2	Unlikely	2	Minor	4	Very Low	PSCP, PDRP	4	Annual Updating of Plans
	Supply Chain	2	Unlikely	1	Incidental	2	Very Low	PSCP, PDRP	3	Annual Updating of Plans
	ICT	1	Rare	1	Incidental	1	Very Low	PSCP, PDRP	3	Annual Updating of Plans
<b>Geologic Hazards Induced Landslide</b>  <b>(Total Risk Score = 61)</b>	People	3	Possible	5	Extreme	15	Moderate	PSCP, PDRP	5	Annual Updating of Plans
	Facility	5	Frequent	5	Extreme	25	Very High	PSCP, PDRP	5	Annual Updating of Plans
	Public	3	Possible	3	Moderate	9	Low	PSCP, PDRP	4	Annual Updating of Plans
	Process	2	Unlikely	2	Minor	4	Very Low	PSCP, PDRP	4	Annual Updating of Plans
	Supply Chain	2	Unlikely	2	Minor	4	Very Low	PSCP, PDRP	4	Annual Updating of Plans
	ICT	2	Unlikely	2	Minor	4	Very Low	PSCP, PDRP	4	Annual Updating of Plans
<b>Geologic Hazards Induced Liquefaction</b>  <b>(Total Risk Score = 12)</b>	People	1	Rare	2	Minor	2	Very Low	PSCP, PDRP	5	Annual Updating of Plans
	Facility	1	Rare	1	Incidental	1	Very Low	PSCP, PDRP	5	Annual Updating of Plans
	Public	3	Possible	2	Minor	6	Low	PSCP, PDRP	4	Annual Updating of Plans
	Process	1	Rare	1	Incidental	1	Very Low	PSCP, PDRP	4	Annual Updating of Plans
	Supply Chain	1	Rare	1	Incidental	1	Very Low	PSCP, PDRP	3	Annual Updating of Plans
	ICT	1	Rare	1	Incidental	1	Very Low	PSCP, PDRP	4	Annual Updating of Plans
<b>Geologic Hazards Induced Tsunami</b>	People	5	Frequent	5	Extreme	25	Very High	PSCP, PDRP	5	Annual Updating of Plans



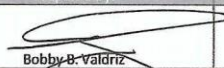
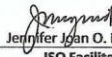

## RISK ASSESSMENT

<b>(Total Risk Score = 58)</b>	Facility	1	Rare	1	Incidental	1	Very Low	PSCP, PDRP	5	Annual Updating of Plans
	Public	4	Likely	5	Extreme	20	High	PSCP, PDRP	4	Annual Updating of Plans
	Process	3	Possible	2	Minor	6	Low	PSCP, PDRP	4	Annual Updating of Plans
	Supply Chain	2	Unlikely	2	Minor	4	Very Low	PSCP, PDRP	3	Annual Updating of Plans
	ICT	1	Rare	2	Minor	2	Very Low	PSCP, PDRP	3	Annual Updating of Plans
<b>Emerging Infectious Diseases</b> <b>(Total Risk Score = 91)</b>	People	5	Frequent	5	Extreme	25	Very High	PSCP, PDRP	5	Annual Updating of Plans
	Facility	5	Frequent	5	Extreme	25	Very High	PSCP, PDRP	5	Annual Updating of Plans
	Public	5	Frequent	5	Extreme	25	Very High	PSCP, PDRP	4	Annual Updating of Plans
	Process	3	Possible	3	Moderate	9	Low	PSCP, PDRP	4	Annual Updating of Plans
	Supply Chain	2	Unlikely	3	Moderate	6	Low	PSCP, PDRP	3	Annual Updating of Plans
	ICT	1	Rare	1	Incidental	1	Very Low	PSCP, PDRP	3	Annual Updating of Plans

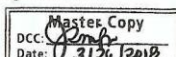

# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

PROVINCIAL GOVERNMENT OF LA UNION					
Operations and Warning Control Procedure					
		Type of Document: <b>Quality Management System Procedure</b>			
Document No.		PGLU-QP-RRM-001	Rev. no.	1	Page 1 of 7
Execution Date	Rev. No.	Revision Type	Change Description	Page Affected	Originator
04-17-2017	∅	New	Newly established in accordance to the ISO 9001:2015 requirements	-	RRM
04-03-2018	1	Complete	Revision of standard format	ALL	RRM


  

Prepared by:	Verified by:	Approved by:
 Bobby B. Valdriz Originator	 Jennifer Joan O. Manguiat ISO Facilitator	 Gov. Francisco Emmanuel "Pacoy" R. Ortega III Provincial Governor
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

	<b>Operations and Warning Control Procedure</b>	Document No. : PGLU-QP-RRM-001
		Revision Level : 1
		Page : Page 2 of 7

**1.0 OBJECTIVE**

The purpose of this procedure is to establish and maintain an effective and efficient PDRRMO – Operations and Warning Control process relating to the ISO 9001:2015 requirements.

**2.0 SCOPE**

This procedure is applicable to the entire operation of the Provincial Disaster Risk Reduction and Management Office – Operations and Warning Division.

**3.0 DEFINITION OF TERMS**

- 3.1 PGLU** – the Provincial Government of La Union is the governing body of the province
- 3.2 PDRRMO** – the Provincial Disaster Risk Reduction and Management Office is responsible for ensuring the protection and welfare of the people during disasters or emergencies
- 3.3 PDRRMC** – the Provincial Disaster Risk Reduction and management Council, is a working group of various government, non-government, civil sector and private sector organizations of the Provincial Government of La Union.

**4.0 REFERENCE DOCUMENTS**


- 4.1** RA No. 10121

**5.0 RESPONSIBILITY & AUTHORITY**

- 5.1** The PDRRMO shall uphold the people’s constitutional rights to life and property by addressing the root causes of vulnerabilities to disasters, strengthening the province’s institutional capacity for disaster risk reduction and management and building the resilience of its communities to disasters including climate change impacts;
- 5.2** The PDRRMO is composed of a PDRRMO assisted by three (3) staff responsible for: (1) administration and training; (2) research and planning; and (3) operations and warning.
- 5.3** The PDRRMO shall establish an operating facility to be known as the PDRRMOC;
- 5.4** The Operations and Warning Division shall operate a multi-hazard early warning system, linked to disaster risk reduction to provide accurate and timely advice to barangay, city/municipality, regional and national emergency response organizations and to the general public, through diverse mass media, particularly radio, landline communications, and technologies for communication within rural communities;
- 5.5** The Operations and Warning Division shall conduct continuous disaster monitoring and mobilize instrumentalities and entities of the LGUs, CSOs, private groups and organized volunteers, to utilize their facilities and resources for the protection and preservation of life and properties during emergencies in accordance with existing policies and procedures;
- 5.6** The Operations and Warning Division shall disseminate information and raise public awareness about hazards, vulnerabilities and risks their nature, effects, early warning signs and counter-measures;
- 5.7** The Operations and Warning Division shall respond to, manage the adverse effects of emergencies, and carry out recovery activities in the affected area. ensuring that there is an efficient mechanism

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

	<b>Operations and Warning Control Procedure</b>	Document No. : PGLU-QP-RRM-001
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for immediate delivery of food, shelter and medical supplies for women and children, endeavor to create a special place where internally-displaced mothers can find help with breastfeeding feed and care for their babies and give support to each other.

## 6.0 PROCEDURE

### 6.1 911 Unit Process

PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
911 Public Safety Answering Point Receiving	911 Unit Member	Shall Receive Emergency calls and Fill-up the <u>911 INCIDENT REPORT</u>	911 Incident Report
911 Public Safety Answering Point Forwarding	911 Unit Member	Upon completion, the 911 Unit Member shall forward the <u>911 INCIDENT REPORT</u> to the Rapid Emergency Telecommunications Team Unit.	911 Incident Report
END			


### 6.2 Rapid Emergency Telecommunication Team Unit Process

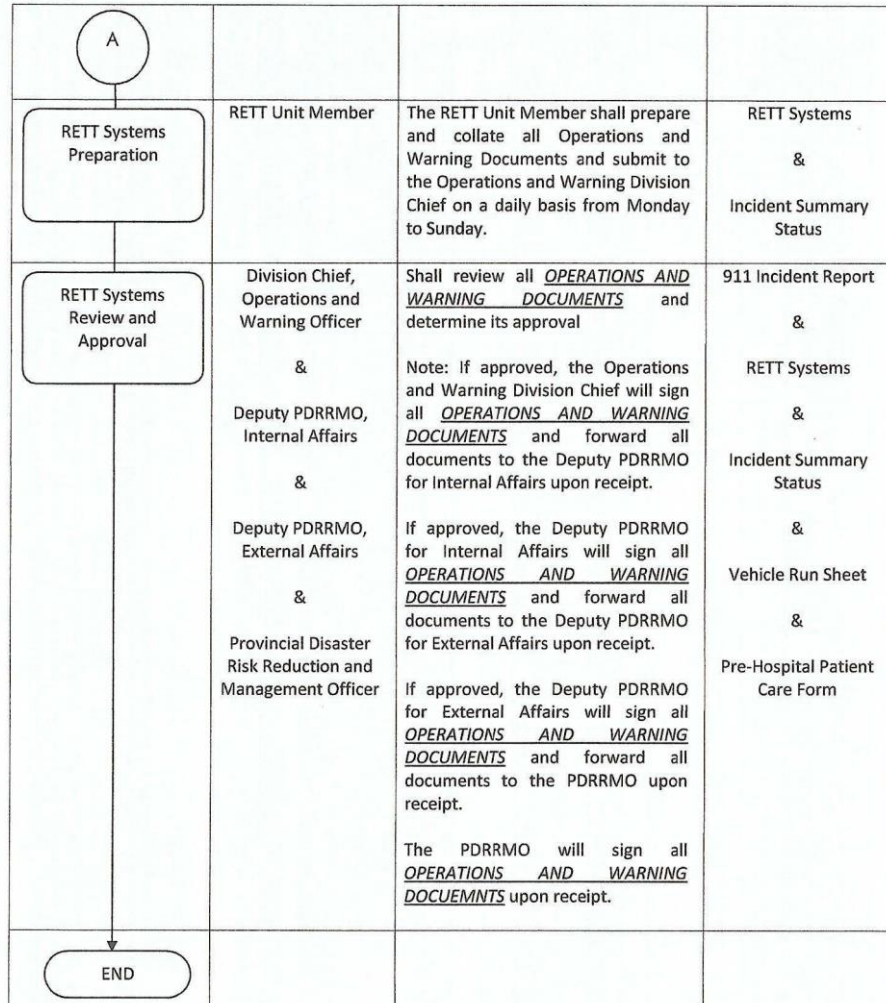
PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
Rapid Emergency Telecommunications Team System Deployment	RETT Unit Member	Shall Receive the 911 Incident Report and fill-up the <u>RETT SYSTEMS</u> and <u>INCIDENT SUMMARY STATUS</u> for possible deployment.	RETT Systems & Incident Summary Status
Rapid Emergency Telecommunications Team System Deployment	RETT Unit Member	The RETT Unit Member shall activated the following units.  a. Medical Unit b. SRR Unit c. EVO Unit	RETT Systems & Incident Summary Status
A			

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	<b>Operations and Warning Control Procedure</b>	Document No. : PGLU-QP-RRM-001
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### 6.3 EVO Unit Process

PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
Emergency Vehicle Operator Receiving	EVO Unit Member	Upon deployment, the Emergency Vehicle Operator Unit Member shall Fill-up the <u>VEHICLE RUN SHEET</u>	Vehicle Run Sheet
Emergency Vehicle Operator Deployment	EVO Unit Member	The Emergency Vehicle Operator Unit Member shall proceed to the reported incident site and update the <u>VEHICLE RUN SHEET</u> .	Vehicle Run Sheet
Emergency Vehicle Operator Demobilization	EVO Unit Member	After deployment, the Emergency Vehicle Operator will demobilize its operation, return to the Provincial Disaster Risk Reduction and Management Operation Center, and finalize the <u>VEHICLE RUN SHEET</u> .	Vehicle Run Sheet
END			

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

	<b>Operations and Warning Control Procedure</b>	Document No. : PGLU-QP-RRM-001
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## 6.4 MEDICAL Unit Process

PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
Medical Unit Receiving	Medical Unit Member	Upon deployment, the Medical Unit Member shall Fill-up the <u>PRE-HOSPITAL PATIENT CARE FORM</u>	Patient Care Form
Medical Unit Deployment	Medical Unit Member	The Emergency Vehicle Operator Unit Member shall proceed to the reported incident site and update the <u>PRE-HOSPITAL PATIENT CARE FORM</u> .	Patient Care Form
Medical Unit Demobilization	Medical Unit Member	After operation, the Emergency Vehicle Operator will demobilize its operation, return to the Provincial Disaster Risk Reduction and Management Operation Center, and finalize the <u>PRE-HOSPITAL PATIENT CARE FORM</u> .	Patient Care Form
END			

## 6.5 Reports

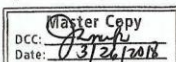

Reports	Frequency	Responsible
Operational Report	Everyday	Operations and Warning Division

## 7.0 PERFORMANCE INDICATORS


7.1 The Operations and Warning Division shall ensure outstanding performance of its responsibility and authority defined in item no. 5 of this document.

## 8.0 ATTACHMENTS AND FORMS

- 8.1 RRM-001-1: 911 Incident Report
- 8.2 RRM-002-1: 911 Incident Report
- 8.3 RRM-003-1: RETT Systems
- 8.4 RRM-004-1: Incident Summary Status
- 8.5 RRM-005-1: Vehicle Run Sheet
- 8.6 RRM-006-1: Vehicle Run Sheet
- 8.7 RRM-007-1: Vehicle Run Sheet
- 8.8 RRM-008-1: Vehicle Run Sheet
- 8.9 RRM-009-1: Vehicle Run Sheet
- 8.10 RRM-010A-1: Pre-Hospital Patient Care

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- 8.11 RRM-010B-1: Pre-Hospital Patient Care
- 8.12 RRM-010C-1: Pre-Hospital Patient Care

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM RPM-001-1 911 INCIDENT REPORT		TO IMPLEMENT PUBLIC SAFETY ANSWERING POINT PROTOCOLS WITH 90% COMPLIANCE	Operations and Warning Division Chief Deputy PDRRMO, External Affairs Deputy PDRRMO, Internal Affairs	Prepared  Reviewed  Noted
A. INCIDENT INFORMATION			Provincial Disaster Risk Reduction and Management Officer	
1. Agent Name:	I. QA REVIEW: 911			INCIDENT NUMBER
2. Calling Number:	1. Answers telephone quickly and correctly (within 10 seconds, 90% of time)			C MC
3. Time Call Made:	2. Follows Emergency Medical Dispatch Protocols			
4. Incident Type:	3. Follows Emergency Police Dispatch Protocols			
5. Caller Name:	4. Follows Emergency Fire Dispatch Protocols			
6. Location:	5. Kept caller on the line until all required information is obtained			
7. Emergency:	6. Controls the conversation with the caller			
8. Relayed To:	7. Explains Emergency Actions and Employs Calling Techniques			
9. Relayed To:	8. Obtains pertinent information and makes updates accordingly			
10. Time Relayed:	9. Dispatches appropriate Police, Fire, EMS within Prescribed Time Frame			
11. Narrative:	10. Dispatch within Emergency Medical Dispatch Protocols			
	11. Dispatch within Emergency Police Dispatch Protocols			
	12. Dispatch within Emergency Fire Dispatch Protocols			
	13. Provide pertinent information to the responding units			
	14. Relays updated information to the responding units			
	15. Exhibits a timely response to requests from field units			
	16. Incidents involving catastrophic loss will be included in review process			
	II. QA REVIEW: COMMENTS AND SUGGESTIONS Operations and Warning Division Chief			
17. Closed:	Deputy PDRRMO, External Affairs			
	Deputy PDRRMO, Internal Affairs			
18. Updates/ Comments:	Provincial Disaster Risk Reduction and Management Officer			
19.				
20.				
21.				
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM		RDM-003-1 RETI SYSTEMS		 TO PROVIDE RAPID EMERGENCY TELECOMMUNICATION SYSTEMS WITHIN TWELVE (12) HOURS AFTER A DISASTER WITH 90% COMPLIANCE.		RETI Unit Member Operations and Warning Division Chief		Deputy PDRMCO, External Affairs Deputy PDRMCO, Internal Affairs		Prepared			
C. DEPLOYED RETI SYSTEMS		CONNECTED		FREQUENCY 1	FREQUENCY 2	911	LDRMO	DH	INCIDENT NUMBER			OAS/RETI PROTOCOL	
SYSTEM REGISTRY	152.5	146.73	146.73	152.5	152.5	998583178	9173045730	998583178	ALPHA	BRAVO	CHARLIE	DELTA	EVO
AGENCY	146.72	147.125	144.58	142.13	152.80	9985831780	9484107093	9985831784	ALERT	MEDICAL	SSR		
BOENALON	147.125	144.58	142.13	152.80	152.5	9985831781	9212228921	9985831785					
BAGULIN	144.58	142.13	152.80	152.5	152.5	9985831782	9086871786	9985831786					
BADAOCAN	142.13	152.80	152.5	152.5	152.5	9985831783	9298112457	9985831788					
BANGOR	152.80	152.5	152.5	152.5	152.5	9985831784	9965753188	9985831800					
BOJANG	152.5	152.5	152.5	152.5	152.5	9985831785	9399342450	9985831801					
BULOGOS	152.5	152.5	152.5	152.5	152.5	9985831786	9443166743	9985831802					
CABA	152.10	151.125	147.36	152.5	152.5	9985831787	9182573413	9985831803					
LUNA	151.125	147.36	138.725	152.5	152.5	9985831789	9159037917	9985831804					
NAGUILAN	147.36	138.725	152.5	152.5	152.5	9985831790	9038197205	9985831805					
PUGO	138.725	152.5	152.5	152.5	152.5	9985831794	9035132488	9985831806					
ROSARIO	152.5	152.5	152.5	152.5	152.5	9985831795	9035132488	9985831807					
SAN JUAN	152.5	152.5	152.5	152.5	152.5	9985831796	9448004710	9985831808					
SAN GABRIEL	152.5	152.5	152.5	152.5	152.5	9985831797	9178681257	9985831809					
SAN TOMAS	152.5	152.5	152.5	152.5	152.5	9985831798	9399688330	9985831810					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831811					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831812					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831813					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831814					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831815					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831816					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831817					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831818					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831819					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831820					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831821					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831822					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831823					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831824					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831825					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831826					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831827					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831828					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831829					
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SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831831					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831832					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831833					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831834					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831835					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831836					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831837					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831838					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831839					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831840					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831841					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831842					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831843					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831844					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257	9985831845					
SANTOL	152.5	152.5	152.5	152.5	152.5	9985831799	9178681257						

# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM		RM-004-1 INCIDENT SUMMARY STATUS		TO IMPLEMENT INCIDENT COMMAND SYSTEM ON ALL EMERGENCY RESPONSES WITH 90% COMPLIANCE		 Provincial Disaster Risk Reduction and Management Officer		Operations and Warning Division Chief Deputy PDRRMO, External Affairs Deputy PDRRMO, Internal Affairs		Prepared
QUALITY OBJECTIVE		INCIDENT SUMMARY STATUS		TO IMPLEMENT INCIDENT COMMAND SYSTEM ON ALL EMERGENCY RESPONSES WITH 90% COMPLIANCE		Provincial Disaster Risk Reduction and Management Officer		Operations and Warning Division Chief Deputy PDRRMO, External Affairs Deputy PDRRMO, Internal Affairs		Reviewed
D. INCIDENT SUMMARY STATUS		INCIDENT SUMMARY STATUS		TO IMPLEMENT INCIDENT COMMAND SYSTEM ON ALL EMERGENCY RESPONSES WITH 90% COMPLIANCE		Provincial Disaster Risk Reduction and Management Officer		Operations and Warning Division Chief Deputy PDRRMO, External Affairs Deputy PDRRMO, Internal Affairs		Noted
1.	I. REPORT VERSION	INITIAL	UPDATE	FINAL		VI. NAME OF CASUALTIES (Continued)		INCIDENT NUMBER		
2.	II. PUBLIC STATUS SUMMARY	Reporting Period	Reporting Period	Total		Surname		MI		QA-ICS
3.	Fatalities					Surname		MI		
4.	With Injuries/Illness					Surname		MI		
5.	Trapped/ In Need of Rescue					Surname		MI		
6.	Missing					Surname		MI		
7.	III. RESPONDER STATUS SUMMARY	Reporting Period	Reporting Period	Total		Surname		MI		
8.	Fatalities					Surname		MI		
9.	With Injuries/Illness					Surname		MI		
10.	Trapped/ In Need of Rescue					Surname		MI		
11.	Missing					Surname		MI		
12.	IV. LINE SAFETY, HEALTH THREAT MANAGEMENT	Check / Active				Surname		MI		
13.	No Likely Threat					Surname		MI		
14.	Potential Future Threat					Surname		MI		
15.	Mass Notifications in Progress					Surname		MI		
16.	Mass Notification Completed					Surname		MI		
17.	V. PROJECTED INCIDENT ACTIVITY, POTENTIAL MOVEMENT, ESCALATION, OR SPREAD and influencing factors during the next operational period and in 12- and 24-hour timeframes:	Check / Active				Surname		MI		
18.						Surname		MI		
19.						Surname		MI		
20.						Surname		MI		
21.						Surname		MI		
22.	VI. NAME OF CASUALTIES	First Name	MI	Surname		Surname		MI		
23.						Surname		MI		
24.						Surname		MI		
25.						Surname		MI		
26.						Surname		MI		
27.						Surname		MI		
28.						Surname		MI		
29.						Surname		MI		
30.						Surname		MI		
31.						Surname		MI		
32.						Surname		MI		
33.						Surname		MI		
34.						Surname		MI		
35.						Surname		MI		
36.						Surname		MI		
37.						Surname		MI		
38.						Surname		MI		
39.						Surname		MI		
40.						Surname		MI		
41.						Surname		MI		
42.						Surname		MI		
43.						Surname		MI		
44.						Surname		MI		
45.						Surname		MI		
46.						Surname		MI		
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

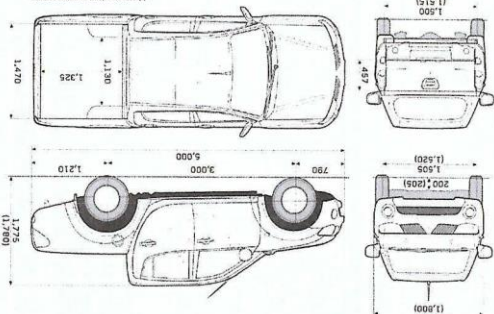
ISO 9001:2015 FORM		RRM-005-1 VEHICLE RUN SHEET		 TO TRANSPORT CLINICAL STATUS INCIDENTS WITHIN TEN (10) KILOMETER RADIUS IN NINE (9) MINUTES AND FIFTY-NINE (59) SECONDS OR LESS		Operations and Warning Division Chief Deputy PDRRMC, Internal Affairs		Prepared	
E.I. VEHICLE RUN SHEET SAA 2071 CODE: ALPHA 2		Provincial Disaster Risk Reduction and Management Officer Deputy PDRRMC, External Affairs		Deputy PDRRMC, External Affairs Deputy PDRRMC, Internal Affairs		Deputy PDRRMC, External Affairs Deputy PDRRMC, Internal Affairs		Reviewed	
Provincial Disaster Risk Reduction and Management Officer Deputy PDRRMC, External Affairs		Provincial Disaster Risk Reduction and Management Officer Deputy PDRRMC, Internal Affairs		Provincial Disaster Risk Reduction and Management Officer Deputy PDRRMC, Internal Affairs		Provincial Disaster Risk Reduction and Management Officer Deputy PDRRMC, Internal Affairs		Noted	
<b>I.A. MILEAGE START:</b> <b>I.B. MILEAGE END:</b> Total Distance Traveled: 0		<b>I.B. ORIGIN</b> I.B. DESTINATION Travel Summary:		<b>I.C. TIME EN ROUTE</b> I.C. TIME ARRIVAL Base-Incident Site		<b>I.D. TIME DEPART SCENE</b> I.D. TIME HANDOVER Incident Site-Hospital		<b>INCIDENT NUMBER</b>	
<b>III. IMPORTANT TRAVEL ATTACHMENTS</b>		<b>A. TRIP TICKET</b> (Gas Slip Prerequisite)		<b>B. TRAVEL ORDER</b> (Outside La Union)		<b>C. GAS SLIP</b> (Shell Diversion Road)		<b>D. GAS RECEIPT</b> (Return to Admin)	
<b>IV. REMAINING FUEL, %</b> 0   12.5   25   38   50   63   75   88   100		<b>I. QA REVIEW EVO</b>		<b>C</b>		<b>NC</b>		<b>TOTAL</b>	
<b>V. MAINTENANCE SERVICE</b>		1. During Emergency Situations, the EVO Observes Emergency Traffic Protocols 2. Obtains Ground Information and Updates the Operations Center Accordingly 3. Mastery of at least 90% of all major streets in all 578 Barangays in La Union 4. Conducts Daily Preventive Maintenance Check-Ups 5. Maintains the Cleanliness of the Emergency Vehicle (Carwash) 6. When the Fuel Level is Below 50%, the EVO Makes a Trip Ticket 7. Keeps Travel Orders in the Vehicle During Trips Outside La Union 8. Fills-up the Gas Tank Right After Receiving a Gas Slip 9. After Filling-up, the EVO Returns the GAS Receipt to the Administrative/Finance Officer 10. Accomplishes the La Union Rescue Vehicle Run Sheet		<b>II. QA REVIEW, COMMENTS AND SUGGESTIONS</b> Operations and Warning Division Chief		Deputy PDRRMC, External Affairs		Deputy PDRRMC, Internal Affairs	
1. Windshield 2. Windshield Fluid 3. Wiper Blades 4. Head Lights 5. Signal Lights 6. Break Lights 7. Fog Lights 8. Horn 9. Barker Lights 10. Siren 11. Radio 12. AM/FM Radio 13. A/C System 14. Engine 15. Steering Wheel 16. Suspension 17. Tires 18. Brakes 19. Exhaust 20. Winch		Legend: C - Compliant, NC - Non Compliant, Very Good: 1-20, Poor: 21-40, Moderate: 41-60, Good: 61-80, Excellent 81-100		Provincial Disaster Risk Reduction and Management Officer Deputy PDRRMC, Internal Affairs		Provincial Disaster Risk Reduction and Management Officer Deputy PDRRMC, Internal Affairs		Provincial Disaster Risk Reduction and Management Officer Deputy PDRRMC, Internal Affairs	
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM RRM-006-1 VEHICLE RUN SHEET		TO TRANSPORT CLINICAL STATUS INCIDENTS WITHIN TEN (10) KILOMETER RADIUS IN NINE (9) MINUTES AND FIFTY-NINE (59) SECONDS OR LESS	EVO Unit Member Operations and Warning Division Chief Deputy FDRRMO, External Affairs Deputy FDRRMO, Internal Affairs	Prepared Reviewed Noted
Provincial Disaster Risk Reduction and Management Officer				
INCIDENT NUMBER				
I.A. MILEAGE START: I.A. MILEAGE END: Total Distance Traveled:		I.C. TIME EN ROUTE I.C. TIME ARRIVAL I.D. TIME DEPART SCENE I.D. TIME HANDOVER		
III. IMPORTANT TRAVEL ATTACHMENTS		B. TRAVEL ORDER (Outside La Union) C. GAS SLIP (Shell Diversion Road) D. GAS RECEIPT (Return to Admin)		
IV. REMAINING FUEL, %		A. TRIP TICKET (Gas Slip Prerequisite) I. QA REVIEW: EVO		
V. MAINTENANCE SERVICE		II. QA REVIEW: COMMENTS AND SUGGESTIONS Operations and Warning Division Chief		
1. Windshield 2. Wiper Blades 3. Head Lights 4. Signal Lights 5. Break Lights 6. Park Lights 7. Fog Lights 8. Blinker Lights 9. Stern 10. Radio 11. AM/FM Radio 12. A/C System 13. Engine 14. Steering Wheel 15. Suspension 16. Tires 17. Brake 18. Exhaust 19. Winch		1. During Emergency Situations, the EVO Observes Emergency Traffic Protocols 2. Obtains Ground Information and Updates the Operations Center Accordingly 3. Notify of at least 90% of all major streets in all 576 Barangays in La Union 4. Conduct Daily Preventive Maintenance Check-ups 5. Immediately Reports Any Damage(s) to the Chief of Operations and Warning Division 6. Maintains the Cleanliness of the Emergency Vehicle (Carwash) 7. When the Fuel Level is Below 50%, the EVO Makes a Trip/Refuel 8. Keeps Travel Orders in the Vehicle During Trips Outside La Union 9. Fills-up the Gas Tank Right After Receiving a Gas Slip 10. After Filling-up, the EVO Returns the GAS Receipt to the Administrative/Finance Officer 11. Accomplishes the La Union Rescue Vehicle Run Sheet		
12.5 25 38 50 63 75 88		C. GAS SLIP (Shell Diversion Road)		
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.		D. GAS RECEIPT (Return to Admin)		
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.		TOTAL		
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1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.		Deputy FDRRMO, External Affairs Deputy FDRRMO, Internal Affairs Provincial Disaster Risk Reduction and Management Officer		




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Legend: C - Compliant, NC - Non Compliant, Very Bad: 1-20, Poor: 21-40, Moderate: 41-60, Good: 61-80, Excellent 81-100




# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM:		RTM-007-1 VEHICLE RUN SHEET	Operations and Warning Division Chief Deputy FDRBMO, External Affairs Deputy FDRBMO, Internal Affairs	Prepared Reviewed Noted
TO TRANSPORT CLINICAL STATUS INCIDENTS WITHIN TEN (10) KILOMETER RADIUS IN NINE (9) MINUTES AND FIFTY-NINE (59) SECONDS OR LESS		Provincial Disaster Risk Reduction and Management Officer		
E.3 VEHICLE RUN SHEET (URI 637, CODE ALPHA 1)		INCIDENT NUMBER		
I.A. MILEAGE START: I.A. MILEAGE END: Total Distance Traveled: 0		I.C. TIME EN ROUTE I.C. TIME ARRIVAL Base: Incident Site Incident Site: Hospital		
III. IMPORTANT TRAVEL ATTACHEMENTS		D. GAS RECEIPT (Return to Admin)		
IV. REMAINING FUEL % 12.5 25 38 50 63 75 88		C. GAS SLIP (Shell Diversion Road)		
V. MAINTENANCE SERVICE		B. TRAVEL ORDER (Outside La Union)		
1. Windshield 2. Windshield Fluid 3. Wiper Blades 4. Head Lights 5. Signal Lights 6. Break Lights 7. Park Lights 8. Fog Lights 9. Blinker Lights 10. Siren 11. Radio 12. AM/FM Radio 13. A/C System 14. Engine 15. Steering Wheel 16. Suspension 17. Tires 18. Brake 19. Exhaust 20. Winch		A. TRIPKICKET (Gas Slip Prerequisite) I. QA REVIEW: EVO		
Legend: C - Compliant, NC - Non Compliant, Very Bad: 1-20, Poor: 21-40, Moderate: 41-60, Good: 61-80, Excellent: 81-100		D. GAS RECEIPT (Return to Admin)		
Controlled Copy DCC: <u>        </u> Date: <u>        </u>		II. QA REVIEW: COMMENTS AND SUGGESTIONS Operations and Warning Division Chief		
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM	RRM-009-1 VEHICLE RUN SHEET		Prepared Operations and Warning Division Chief	
<b>QUALITY OBJECTIVE</b> TO TRANSPORT CLINICAL STATUS INCIDENTS WITHIN TEN (10) KILOMETER RADIUS IN NINE (9) MINUTES AND FIFTY-NINE (59) SECONDS OR LESS	E-5 VEHICLE RUN SHEET: SAA 6380, CODE: BOSS 1	Provincial Disaster Risk Reduction and Management Officer	Reviewed Deputy PDORMO, Internal Affairs	Noted
Provincial Disaster Risk Reduction and Management Officer				
I.A. MILEAGE START: I.B. MILEAGE END: Total Distance Traveled:		I.C. TIME EN ROUTE I.C. TIME ARRIVAL Base-Incident Site	I.D. TIME DEPART SCENE I.D. TIME HANDOVER Incident Site-Hospital	INCIDENT NUMBER QA: EVO
III. IMPORTANT TRAVEL ATTACHMENTS		A. TRIP/TICKET (Gas Slip Prerequisite)	C. GAS SLIP (Shell Diversion Road)	D. GAS RECEIPT (Return to Admin)
IV. REMAINING FUEL, %		I. QA REVIEW: EVO		
V. MAINTENANCE SERVICE		1. During Emergency Situations, the EVO Observes Emergency Traffic Protocols 2. Obtains Ground Information and Updates the Operations Center Accordingly 3. Notify of at least 90% of all major streets in all 576 Barangays in La Union 4. Conducts Daily Preventive Maintenance Check-Ups 5. Maintains the Cleanliness of the Emergency Vehicle (Carwash) 6. Keeps Travel Orders in the Vehicle During Trips Outside La Union 7. Fill-up the Gas Tank Right After Receiving a Gas Slip 8. After Filling-up, the EVO Returns the GAS Receipt to the Administrative/Finance Officer 9. Accomplishes the La Union Rescue Vehicle Run Sheet		
1. Windshield 2. Wiper Blades 3. Head Lights 4. Signal Lights 5. Break Lights 6. Park Lights 7. Blinker Lights 8. Siren 9. Radio 10. AM/FM Radio 11. A/C System 12. Engine 13. Steering Wheel 14. Suspension 15. Tires 16. Brake 17. Exhaust 18. Winch		II. QA REVIEW: COMMENTS AND SUGGESTIONS Operations and Warning Division Chief		
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23. 1800 mm 1850 mm		TOTAL		
24. 1800 mm 1850 mm		PERFORMANCE RATING		

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES


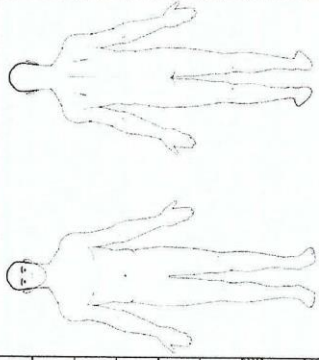
ISO 9001:2015 FORM		RRM-010A-1 PRE-HOSPITAL PATIENT CARE		TO PROVIDE EFFECTIVE MEDICAL CARE IN ACCORDANCE WITH MEDICAL PROTOCOLS AND STANDING ORDERS WITH 90% COMPLIANCE		Medical Unit Member Operations and Warning Division Chief		Prepared
QUALITY OBJECTIVE		Medical Unit Member Deputy FDRRMO, External Affairs		Deputy FDRRMO, Internal Affairs		Deputy FDRRMO, Internal Affairs		Reviewed
F.1. PRE-HOSPITAL PATIENT CARE: PRIMARY SURVEY		Provincial Disaster Risk Reduction and Management Officer		INCIDENT NUMBER		INCIDENT NUMBER		Noted
<b>1. INCIDENT INFORMATION</b>								
2. a. Emergency	e. Date of Code	j. Depart Scene						
3. b. Inter-facility Transfer	f. Time of Code	k. Time Arrival						
4. c. Medical	g. Time En Route	l. Time Handover						
5. d. Trauma	h. Time at Scene	m. Enroute to Base						
6. i. Patient Impression	n. Time at Preppy	n. Ambulance Unit						
<b>2. PATIENT INFORMATION</b>								
7. Patient Surname	Patient First Name	MI						
8. Permanent Address								
9. Age	Gender	Contact Number						
10. Next to Skin	NOK Contact Number							
11. Treatment Refused	Treatment On-Site No Transfer							
12. Transport Refused	Stood Down/Cancelled							
<b>3. GENERAL IMPRESSION</b>								
13. Nature of Illness	Mechanism of Injury	Significant						
14. What Happened								
15. A								
16. B								
17. C								
18. D								
19. E								
20. F								
21. G								
22. H								
23. I								
24. J								
25. K								
26. L								
27. M								
28. N								
29. O								
30. P								
31. Q								
32. R								
33. S								
34. T								
35. U								
36. V								
37. W								
38. X								
39. Y								
40. Z								
<b>4. RECOGNITION OF IRREVERSIBLE SIGNS OF DEATH</b>								
It is inappropriate to begin resuscitation when irreversible signs of death are present								
41. Decapitation	Decomposition	Other (Please Specify):	Postmortem Lividity	Incarceration				
Witness Information			Signature					

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES


ISO 9001:2015 FORM		RW-01DA-1 PRE-HOSPITAL PATIENT CARE		 <b>TO PROVIDE EFFECTIVE MEDICAL CARE IN ACCORDANCE WITH MEDICAL PROTOCOLS AND STANDING ORDERS WITH 90% COMPLIANCE</b>		Medical Unit Member Operations and Warning Division Chief		Deputy DRRMCO, External Affairs Deputy DRRMCO, Internal Affairs		Prepared Reviewed Noted					
F-2 PRE-HOSPITAL PATIENT CARE: SECONDARY SURVEY		V-SECONDARY SURVEY		INCIDENT NUMBER		Time 1		Time 2		Time 3					
Focus Assessment		Detailed Assessment		TRAUMA		Observation Time		Pulse Rate		Respiratory Rate					
1	Focus Assessment					Observation Time									
2	Signs and Symptoms					Blood Glucose Level									
3	Allergies					Motor									
4	Medications					Verbal									
5	Post and Present Medical History					Eye									
6	Last Oral Intake					Total GCS									
7	Event Prior to Incident					Left Pupil Size									
8	Presence of Pain					Right Pupil Size									
9	Gravel					CARE MANAGEMENT AND ASSESSMENT NOTES									
10	Pathologic Or Provoking Focus														
11	Quality														
12	Radiation														
13	Sensory														
14	Time														
15	POTENTIALLY UNSTABLE														
16	STABLE														
17	Interventions Done														
18	Major Bleeding														
19	Deformity														
20	Contusion														
21	Abrasion														
22	Puncture														
23	Burns														
24	Tenderness														
25	Laceration														
26	Swelling														
27	Witness Information														
28	Provider Information														
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM	RM-QDA-1 PRE-HOSPITAL PATIENT CARE		Medical Unit Member Operations and Warning Division Chief	Prepared
<b>QUALITY OBJECTIVE</b>	<b>TO PROVIDE EFFECTIVE MEDICAL CARE IN ACCORDANCE WITH MEDICAL PROTOCOLS AND STANDING ORDERS WITH 100% COMPLIANCE</b>		Deputy PDRMO, External Affairs Deputy PDRMO, Internal Affairs	Reviewed
<b>F.3 PRE-HOSPITAL PATIENT CARE: GA REVIEW</b>		Provincial Disaster Risk Reduction and Management Officer		
		<b>C</b>	<b>NC</b>	<b>INCIDENT NUMBER</b>
<b>I. GA REVIEW: MEDIC</b>				
1.	To maintain awareness of the "Standard of Care" in the prehospital setting			GA: MEDIC
2.	To assume responsibility for professional growth and development			
3.	To continually evaluate standards of care to identify opportunities for optimization.			
4.	To continually analyze personal performance in providing patient care services with the intent to identify areas of diminished skill, and initiate self-education activities to remediate.			
5.	To become aware and involved in the provider agency's or process, as well as the San Diego County systemwide or process.			TOTAL
6.	To support the clinical education of new professionals through internship, mentorship, and critical discussion.			
7.	To, at the time of service, continuously evaluate the quality of care provided to each patient, every time, and to recognize changes in patient status and revise the plan of care accordingly.			PERFORMANCE RATING
8.	To be a patient advocate; always consider "what is best for the patient".			
9.	To provide excellence, without discrimination, in the care of each patient.			
10.	To respect the knowledge, role, responsibilities of all other patient care team members.			
11.	To communicate professionally, i.e. to provide documentation and other communication to all members of the patient care team.			FALSE
12.	To recognize areas for improvement in the Standards of Care, and work to revise them accordingly.			
13.	To participate actively in the retrospective review/audit of patient care activities.			
14.	To provide feedback to appropriate participants of the EMS system.			
<b>II. GA REVIEW: COMMENTS AND SUGGESTIONS</b>				
Operations and Warning Division Chief				
Deputy PDRMO, External Affairs				
Deputy PDRMO, Internal Affairs				
Provincial Disaster Risk Reduction and Management Officer				

Legend: C - Compliant; NC - Non-Compliant; Very Bad: 1-20; Poor: 21-40; Moderate: 41-60; Good: 61-80; Excellent: 81-100


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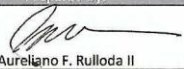






# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

PROVINCIAL GOVERNMENT OF LA UNION					
		Administration and Training Control Procedure			
		Type of Document: Quality Management System Procedure			
		Document No.	PGLU-QP-RRM-002	Rev. no.	1-A
Execution Date	Rev. No.	Revision Type	Change Description	Page Affected	Originator
4-17-2017	Ø	New	Newly established in accordance to the ISO 900001:2018 requirements	-	RRM
04-03-2018	1	Partial	Revision of standard format	ALL	RRM
08-01-2019	1-A	Partial	Modify 8.0 Attachments and Forms	ALL	RRM


Prepared by:	Verified by:	Approved by:
 Aureliano F. Rulloda II <b>Originator</b>	 Jennifer Jean O. Manguiat <b>ISO Facilitator</b>	 Gov. Francisco Emmanuel "Pacoy" R. Ortega III <b>Provincial Governor</b>
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<b>Registration Mark:</b> Master Copy DCC: _____ Date: 7/20/2019	<b>Distribution Mark:</b> Controlled Copy DCC: _____ Date: 7/21/2019	This document is updated and controlled if it bears the red "CONTROLLED COPY" stamp. Otherwise, please refer to the Document Control Center (DCC) for your updated copy.
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

	<b>Administration and Training Control Procedure</b>	Document No. : PGLU-QP-RRM-002
		Revision Level : 1
		Page : Page 2 of 17

## 1.0 OBJECTIVE

The purpose of this procedure is to establish and maintain an effective and efficient PDRRMO – Administration and Training Control process relating to the ISO 9001:2015 requirements.

## 2.0 SCOPE

This procedure is applicable to the entire operation of the Provincial Disaster Risk Reduction and Management Office – Administration and Training Division.

## 3.0 DEFINITION OF TERMS

- 3.1 **PGLU** – the Provincial Government of La Union is the governing body of the province
- 3.2 **PDRRMO** – the Provincial Disaster Risk Reduction and Management Office is responsible for ensuring the protection and welfare of the people during disasters or emergencies
- 3.3 **PDRRMC** – the Provincial Disaster Risk Reduction and management Council, is a working group of various government, non-government, civil sector and private sector organizations of the Provincial Government of La Union.

## 4.0 REFERENCE DOCUMENTS


- 4.1 RA No. 10121

## 5.0 RESPONSIBILITY & AUTHORITY

- 5.1 The PDRRMO shall uphold the people’s constitutional rights to life and property by addressing the root causes of vulnerabilities to disasters, strengthening the province’s institutional capacity for disaster risk reduction and management and building the resilience of its communities to disasters including climate change impacts;
- 5.2 The PDRRMO is composed of a PDRRMO assisted by three (3) staff responsible for: (1) administration and training; (2) research and planning; and (3) operations and warning.
- 5.3 The Administration and Training Division shall organize and conduct training, orientation, and knowledge management activities on disaster risk reduction and management in the province.
- 5.4 The Administration and Training Division shall take all necessary steps on a continuing basis to maintain, provide, or arrange the provision of, or to otherwise make available, suitably-trained and competent personnel for effective civil defense and disaster risk reduction and management in the province;
- 5.5 The Administration and Training Division shall organize, train, equip and supervise the city/municipal emergency response teams and the ACDVs, ensuring that humanitarian aid workers are equipped with basic skills to assist mothers to breastfeed;
- 5.6 The Administration and Training Division shall coordinate other disaster risk reduction and management activities
- 5.7 The Administration and Training Division shall establish linkage/network with other LGUs for disaster risk reduction and emergency response purposes;

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

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- 5.8 The Administration and Training Division shall recommend through the PDRRMC the enactment of local ordinances consistent with the requirements of RA No. 10121; and
- 5.9 Prepare and submit, through the PDRRMC and the LDC, the report on the utilization of the LDRRMF and other dedicated disaster risk reduction and management resources to the local COA, copy furnished the regional director of the OCD and the Local Government Operations Officer of the DILG.

**6.0 PROCEDURE**


**6.1 Training and Education Unit Process, (For external training programs requested by agencies outside the PGLU structure)**

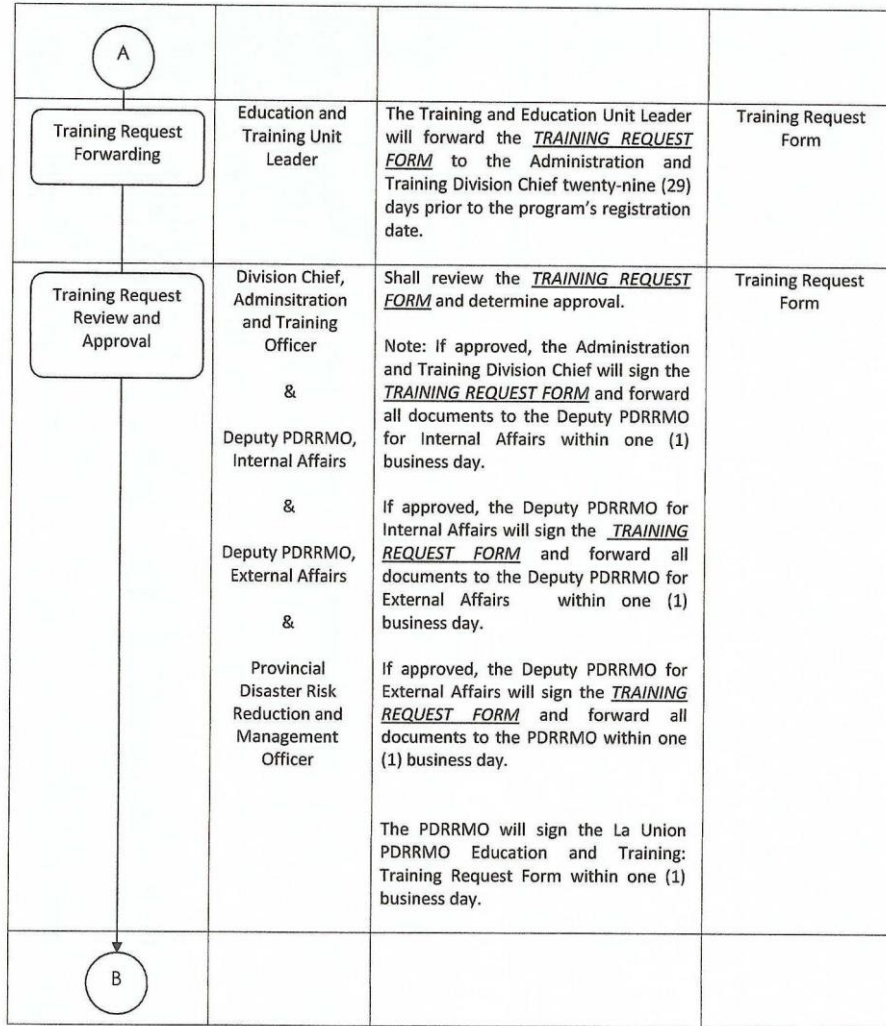
PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
↓ Training Request	Requesting Entity	Shall fill-up and submit the <u>TRAINING REQUEST FORM</u> to the Education and Training Unit Leader	Training Request Form
↓ Training Request Forwarding	Education and Training Unit Leader	Shall receive the request to conduct an external training program by signing the <u>TRAINING REQUEST FORM</u> thirty (30) days prior to the program's registration date.	Training Request Form
↓ A			

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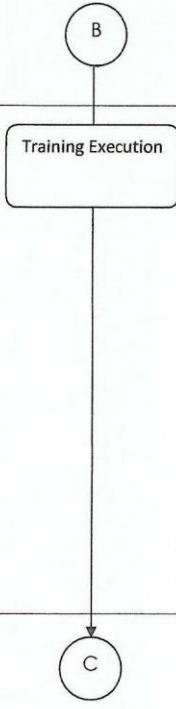
	Administration and Training Control Procedure	Document No. : PGLU-QP-RRM-002
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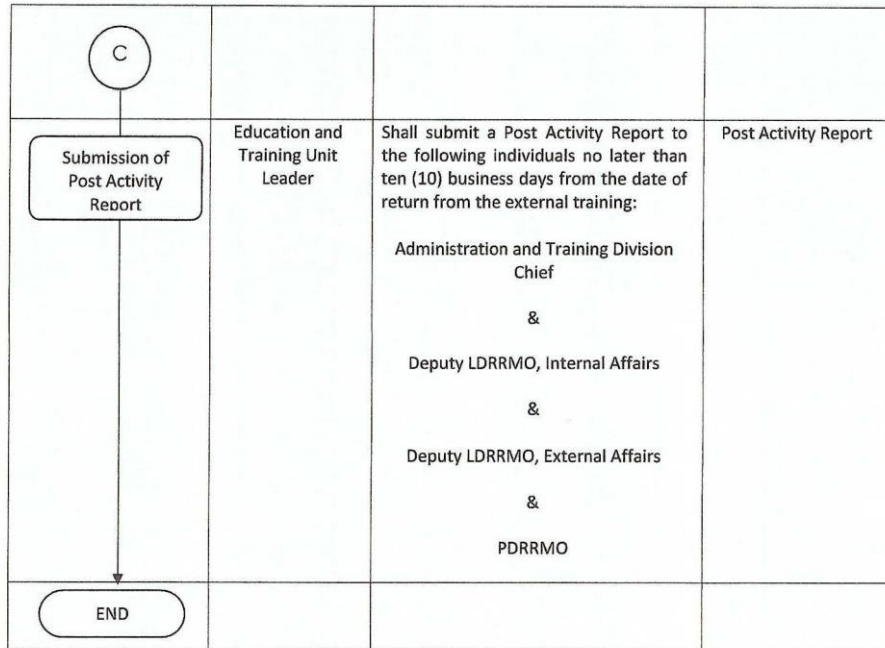
	<b>Administration and Training Control Procedure</b>	Document No. : PGLU-QP-RRM-002
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	Education and Training Unit Leader	<p>If approved, the training and education unit will execute the external training and complete the following forms during the course of the whole training:</p> <p>a) <u>ATTENDANCE</u>          b) <u>REGISTRATION</u>          c) <u>PRE-EVALUATION</u>          d) <u>POST-EVALUATION</u>          e) <u>SKILLS EVALUATION</u></p> <p>Note: For Drills (Simulation Exercises), accomplish the <u>DRILL EVALUATION FORM</u> only.</p>	Attendance & Registration & Pre-Evaluation & Post-Evaluation & Skills Evaluation & Drill Evaluation
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	Administration and Training Control Procedure	Document No. : PGLU-QP-RRM-002
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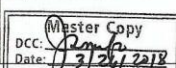
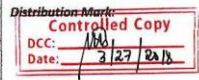
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## 6.2 Training and Education Unit Process, (For internal training programs designed by the PDRRMO)

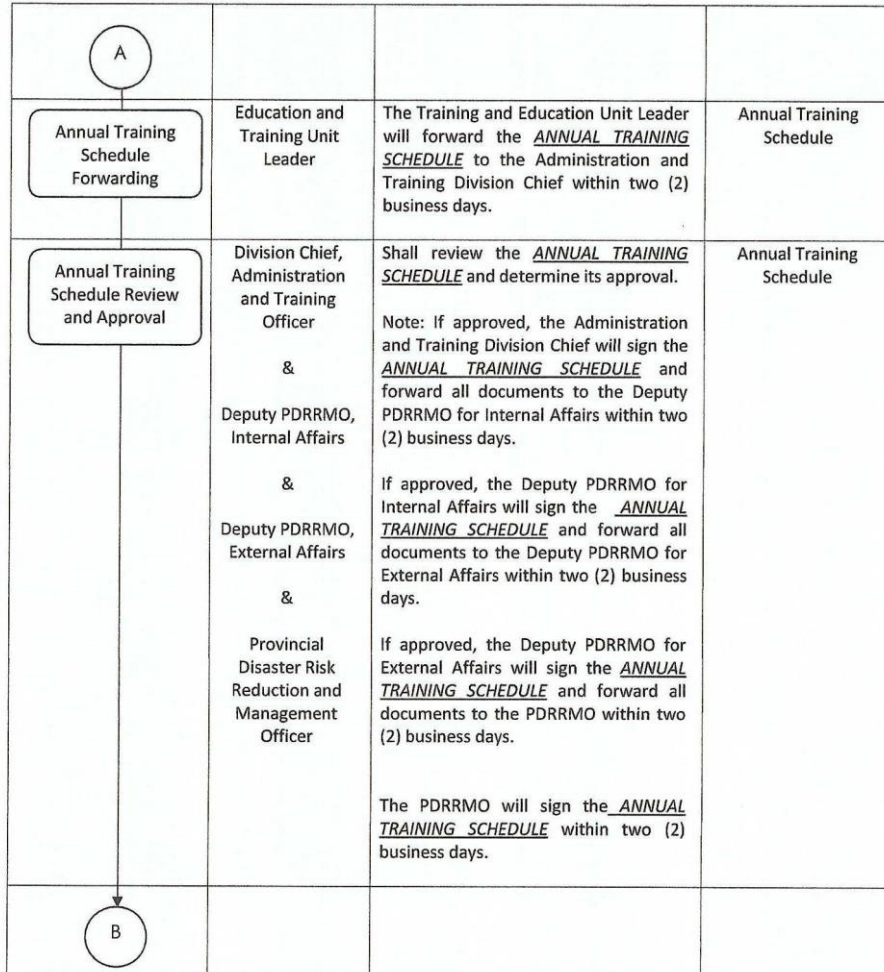
PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
Annual Training Schedule Programming	Education and Training Unit Member	Shall prepare and submit the <u>ANNUAL TRAINING SCHEDULE</u> to the Education and Unit Leader on or before the 1 <sup>st</sup> day of February of every year	Annual Training Schedule
Annual Training Schedule Forwarding	Education and Training Unit Leader	Shall receive and sign the <u>ANNUAL TRAINING SCHEDULE</u> within two (2) business days.	Annual Training Schedule
A			

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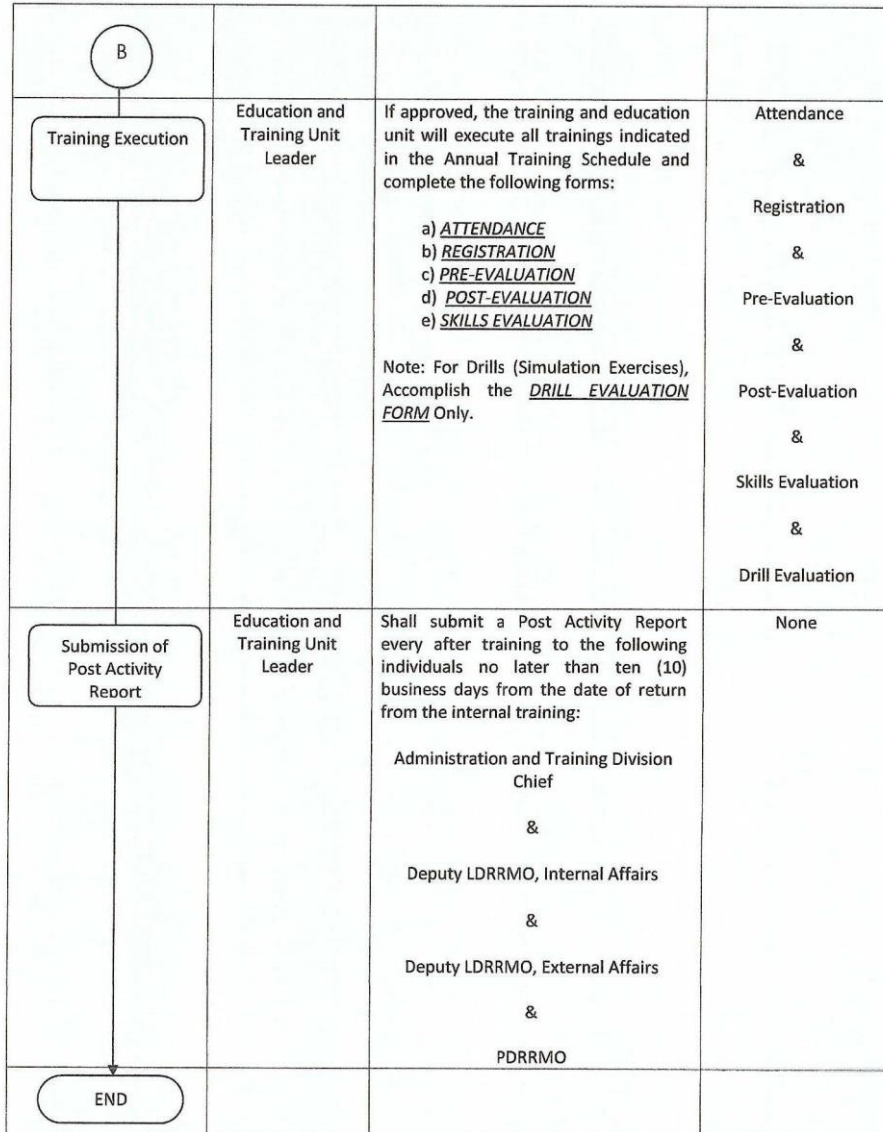
	<h2 style="margin: 0;">Administration and Training Control Procedure</h2>	Document No. : PGLU-QP-RRM-002 Revision Level : 1 Page : Page 8 of 17
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	<b>Administration and Training Control Procedure</b>	Document No. : PGLU-QP-RRM-002
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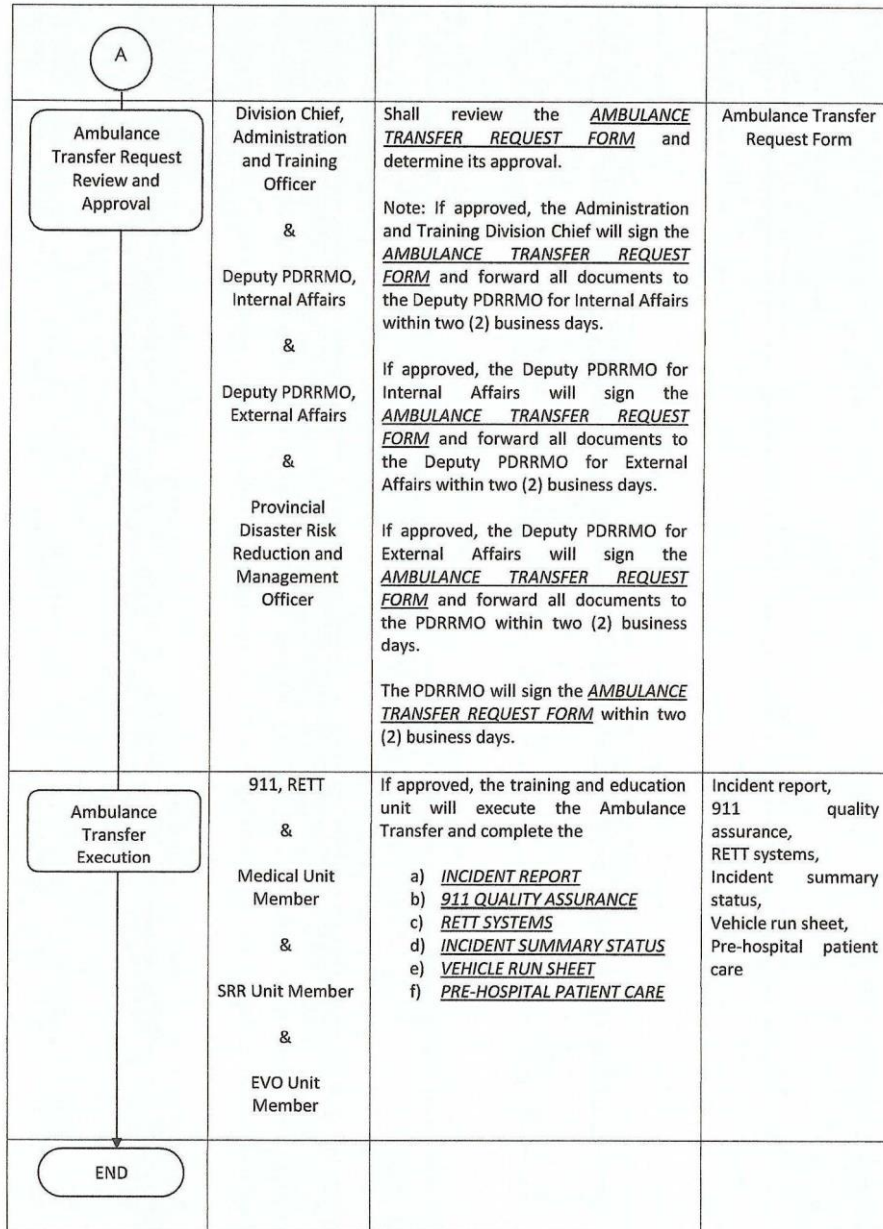
### 6.3 Ambulance Transfer Request Process

PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
Ambulance Transfer Request	Requesting Entity	Shall fill-up and submit the <u>PATIENT TRANSFER REQUEST FORM</u> to the Administration and Training Officer	Patient Transfer Request Form
Ambulance Transfer Request Forwarding	Medical Unit Member	Shall receive and sign the <u>PATIENT TRANSFER REQUEST FORM</u> seven (7) days prior to the transfer date.	Patient Transfer Request Form
Ambulance Transfer Request Forwarding	Medical Unit Member	The Medical Unit member shall forward the <u>PATIENT TRANSFER REQUEST FORM</u> to the Administration and Training Division Chief seven (7) days prior to the transfer date.	Patient Transfer Request Form
A			

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## 6.4 PDRMO Tour of Duty Preparation Process

PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
Tour of Duty Programming	Human Resource Unit Member	Shall prepare and submit the <u>TOUR OF DUTY FORM</u> to the Human Resource unit leader on or before the 15 <sup>th</sup> day of the month	Tour of Duty
Tour of Duty Forwarding	Human Resource Unit Leader	Shall receive and sign the <u>TOUR OF DUTY FORM</u> within two (2) business days.	Tour of Duty
A			

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A			
Tour of Duty Forwarding	Human Resource Unit Leader	The Human Resource Unit Leader will forward the <u>TOUR OF DUTY</u> to the Administration and Training Division Chief within two (2) business days.	Tour of Duty
Tour of Duty Review and Approval	Division Chief, Administration and Training Officer & Deputy PDRRMO, Internal Affairs & Deputy PDRRMO, External Affairs & Provincial Disaster Risk Reduction and Management Officer	Shall review the <u>TOUR OF DUTY</u> and determine its approval.  Note: If approved, the Administration and Training Division Chief will sign the <u>TOUR OF DUTY</u> and forward all documents to the Deputy PDRRMO for Internal Affairs within two (2) business days.  If approved, the Deputy PDRRMO for Internal Affairs will sign the <u>TOUR OF DUTY</u> and forward all documents to the Deputy PDRRMO for External Affairs within two (2) business days.  If approved, the Deputy PDRRMO for External Affairs will sign the <u>TOUR OF DUTY</u> and forward all documents to the PDRRMO within two (2) business days.  The PDRRMO will sign the <u>TOUR OF DUTY</u> within two (2) business days.	Tour of Duty
Tour of Duty Execution	ALL PDRRMO Staff	If approved, all PDRRMO staff shall report during their Respective duty schedule as indicated in the <u>TOUR OF DUTY</u>	Tour of Duty
END			

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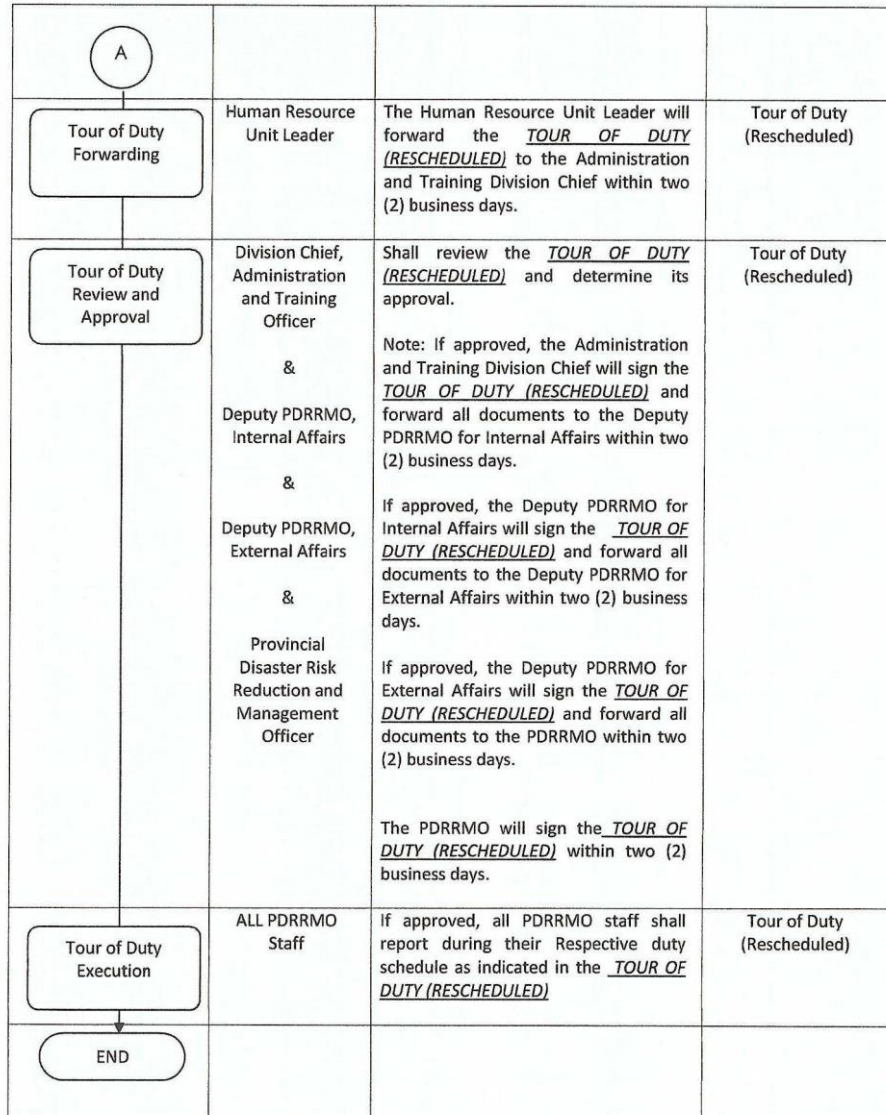
## 6.5 PDRRMO Tour of Duty Process (Rescheduling)

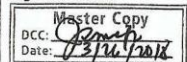

PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
↓ Tour of Duty Rescheduling	Human Resource Unit Member	Shall prepare and submit the <u>TOUR OF DUTY (RESCHEDULED)</u> to the Human Resource unit leader three (3) days prior to the programmed duty of the personnel.	Tour of Duty (Rescheduled)
↓ Tour of Duty Forwarding	Human Resource Unit Leader	Shall receive and sign the <u>TOUR OF DUTY (RESCHEDULED)</u> within two (2) business days.	Tour of Duty (Rescheduled)
↓ A			

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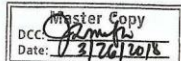



# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES


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## 6.6 Inter-Organization Monitoring Process

PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
Document Monitoring Preparation	Inter-Organization Unit Leader	Shall prepare/update and submit the <u>DOCUMENT TRACKING FORM</u> to the Administration and Training Division Chief on a daily basis from Monday to Friday, excluding holidays.	Document Tracking Form
Document Monitoring Review and Approval	Division Chief, Administration and Training Officer  &  Deputy PDRRMO, Internal Affairs  &  Deputy PDRRMO, External Affairs  &  Provincial Disaster Risk Reduction and Management Officer	Shall review the <u>DOCUMENT TRACKING FORM</u> and determine its approval.  Note: If approved, the Administration and Training Division Chief will sign the <u>DOCUMENT TRACKING FORM</u> and forward all documents to the Deputy PDRRMO for Internal Affairs upon receipt.  If approved, the Deputy PDRRMO for Internal Affairs will sign the <u>DOCUMENT TRACKING FORM</u> and forward all documents to the Deputy PDRRMO for External Affairs upon receipt.  If approved, the Deputy PDRRMO for External Affairs will sign the <u>DOCUMENT TRACKING FORM</u> and forward all documents to the PDRRMO upon receipt.  The PDRRMO will sign the <u>DOCUMENT TRACKING FORM</u> upon receipt.	Document Tracking Form
Document Monitoring Execution	Inter-organization Unit Leader	If approved, the Inter-Organization Unit Leader shall visit all concerned offices for document processing and updating of the <u>DOCUMENT MONITORING FORM</u> .	Document Tracking Form
END			

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### 6.7 Reports

Reports	Frequency	Responsible
Administrative and Training Report	Every Training	Training and Education Unit

### 7 PERFORMANCE INDICATORS


7.7 The Administration and Training Division shall ensure outstanding performance of its responsibility and authority defined in item no. 5 of this document.

### 8 ATTACHMENTS AND FORMS

- 8.7 RRM-011-1: Attendance
- 8.8 RRM-012-1: Registration
- 8.9 RRM-013-1: Pre-Evaluation
- 8.10 RRM-014-1: Post-Evaluation
- 8.11 RRM-015-0: Skills Evaluation
- 8.12 RRM-016-0: Drill Evaluation
- 8.13 RRM-017-0: Training Request
- 8.14 RRM-018-0: Annual Training Schedule
- 8.15 RRM-019-0: Patient Transfer
- 8.16 RRM-020-0: Tour of Duty
- 8.17 RRM-021-0: Tour of Duty (Rescheduled)
- 8.18 RRM-022-0: Document Tracking Form

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

		RRMA-011-1 ATTENDANCE		TO INCREASE DRR-CCA TRAINED PERSONNEL BY 1% OF THE TOTAL POPULATION OF LA UNION (2015 CENSUS)		Prepared							
ISO 9001:2015 FORM		Training and Education Officer		Administration and Training Division Chief		Reviewed							
QUALITY OBJECTIVE		Deputy DRRMCO, External Affairs		Deputy DRRMCO, Internal Affairs		Approved							
ATTENDANCE SHEET		Provincial Disaster Risk Reduction and Management Officer		TRAINING NUMBER		The portion was intentionally left blank							
INCLUSIVE DATE		FIRSTNAME	MI	SURNAME	DESIGNATION	BIRTHDATE	GENDER	CONTACT NUMBER	Day 1	Day 2	Day 3	Day 4	Day 5
1													
2													
3													
4													
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES


ISO 9001:2015 FORM	RRM-012-1 REGISTRATION	 <p style="text-align: center;"><b>TO INCREASE DRR-CCA TRAINED PERSONNEL BY 1% OF THE TOTAL POPULATION OF LA UNION (2015 CENSUS)</b></p>	Training and Education Officer Deputy PDRMO, External Affairs	Administration and Training Division Chief Deputy PDRMO, Internal Affairs	Prepared  Reviewed  Approved
<b>REGISTRATION</b>		Provincial Disaster Risk Reduction and Management Officer			
<b>LIABILITY WAIVER</b>		TRAINEE SERIAL NUMBER			
I, the undersigned, being aware of my own health and physical condition, and having knowledge that my participation in this training may be injurious to my health.		1 2 3 4 5 6 7 8 9 10 11			
Having such knowledge, I hereby acknowledge this release, all La Union PDRMO personnel from any liability from accidental injury or illness which may incur as a result of participating in the said physical activity, I hereby assume all risks connected therewith and consent to participate in this training.		TRAINING INFORMATION Course Title: Venue: Inclusive Date: Name: Age: Birthdate: Gender: Blood Type: Religion: Contact Number: Home Address: Email Address: Office / Organization: Position / Designation: Office Address:			
I agree to disclose any physical limitations, disabilities, ailments, or impairments which may affect my ability to participate in this training.		TRAINEE APPLICATIONS Please Fill Up For Your Certificate (Write your complete name in capitalized format)			
Signature over printed name  Witness 1  Witness 2		*** Nothing Follows ***			

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM	RM-013-1 PRE-EVALUATION				
<b>QUALITY OBJECTIVE</b>		<b>TO INCREASE DIR-CCA TRAINED PERSONNEL BY 1% OF THE TOTAL POPULATION OF LA UNION (2015 CENSUS)</b>			
<b>PRE-EVALUATION</b>		<b>PREVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT OFFICER</b>			
1	INSTRUCTIONS: Please complete the questionnaire below by ticking an option from 1-5 on the rating scale (5 being strongly agree / 1 being strongly disagree), in response to the following statement:			<b>TRAINEE SERIAL NUMBER</b>	
2		<b>Training Venue</b>			
3	PDRMO Instructors	<b>Trainer</b>			
4	I am confident that all instructors will be able to create an active learning community.	<b>Trainer</b>			
5	I am confident that all instructors will be able to demonstrate leadership	<b>Trainer</b>			
6	I am confident that all instructors will be able to communicate well	<b>Trainer</b>			
7	I am confident that all instructors will be able to deal with arguments	<b>Trainer</b>			
8	I am confident that all instructors will be able to monitor student progress.	<b>Trainer</b>			
9		<b>Caterer &amp; Food</b>			
10		<b>Which Caterer do you want for this training</b>			
11		<b>Your Overall Experience</b>			
12		<b>QA REVIEW: COMMENTS AND SUGGESTIONS</b>			
13		<b>Why do you want to attend this course?</b>			
14		<b>Which part of the training course do you think will be particularly valuable?</b>			
15		<b>How will the skills you learn benefit you in your role?</b>			
16		<b>What do you hope to do differently when you have completed this course?</b>			
17		<b>Training Participants</b>			
18	I am confident that all participants will be pro-active during the training	<b>Participant</b>			
19	I am confident that all participants will be interested in the training	<b>Participant</b>			
20		<b>PDRMO Staff Services</b>			
21	I am confident that all staffs will be very helpful	<b>Staff</b>			
22	I am confident that all staffs will be very courteous	<b>Staff</b>			
23	I am confident that all staffs will be very polite	<b>Staff</b>			
24	I am confident that all staffs will be very industrious	<b>Staff</b>			
25		<b>PDRMO Training Equipment</b>			
26	I am confident that all equipment that will be used are on its tip-top shape	<b>Equipment</b>			
27	I am confident that all equipment that would be used are of high quality	<b>Equipment</b>			
28	I am confident that all equipment that will be used is integral in achieving the training objectives	<b>Equipment</b>			
29		<b>QA REVIEW: COMMENTS AND SUGGESTIONS</b>			
30		<b>Why do you want to attend this course?</b>			
31		<b>Which part of the training course do you think will be particularly valuable?</b>			
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201		<b>Which part of the training course do you think will be particularly valuable?</b>			
202					





# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM	RRM-015-0 SKILLS EVALUATION		Training and Education Officer Administration and Training Division Chief	Prepared
			Deputy PDRMO, External Affairs Deputy PDRMO, Internal Affairs	Reviewed
Provincial Disaster Risk Reduction and Management Officer				
Approved				
<b>QUALITY OBJECTIVE</b>				
<b>TO INCREASE DIR-CCA TRAINED PERSONNEL BY 1% OF THE TOTAL POPULATION OF LA UNION (2015 CENSUS)</b>				
<b>SKILLS EVALUATION</b>				
<b>FIRST AID AND BASIC LIFE SUPPORT</b>				
Directions: Please complete the questionnaire below by ticking an option from 1-5 on the rating scale (5 being highest/ 1 being the lowest)				
1	17. Splinting - Elbow			
2	18. Splinting - Hips			
3	19. Spine Board Management - Prone			
4	20. Spine Board Management - Supine			
5	21. Spine Board Management - Strap			
<b>RESCUE AND FIRST AID</b>				
1	1. Star of Life			
2	2. Radio Communication			
3	3. Keriticks Eticalation Device			
4	4. Scoop Stretcher			
5	5. Oxygen BVM Assembly			
6	6. Ambulance Stretcher			
<b>DISASTER RISK REDUCTION (DRR)</b>				
1	1. 30 Seconds Breath Holding			
2	2. Swimming Stakes			
3	3. Lock and Releases			
4	4. Rubber Boat Operation			
<b>DISASTER RISK REDUCTION (DRR) - CONTINUED</b>				
1	5. Rubber Boat Handling			
2	6. Struggling			
3	7. One (1) mile swim			
4	8. Grand Scenario			
<b>DISASTER RISK REDUCTION (DRR) - CONTINUED</b>				
1	1. Knot Tying			
2	2. Ascending			
3	3. Descending			
4	4. Basket Operation			
5	5. Anchoring			
6	6. Grand Scenario			


The portion was intentionally left blank

\*\*\* Nothing Follows \*\*\*


**Master Copy**  
 OCC: \_\_\_\_\_  
 Date: 7/30/2019

**Control Copy**  
 OCC: \_\_\_\_\_  
 Date: 7/31/2019

# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM		RM-016-0 DRILL EVALUATION		 TO INCREASE DRR-CCA TRAINED PERSONNEL BY 1% OF THE TOTAL POPULATION OF LA UNION (2015 CENSUS)		Training and Education Officer Administration and Training Division Chief		Prepared		
Deputy DRRMO, External Affairs Deputy DRRMO, Internal Affairs		Training and Education Officer Administration and Training Division Chief		Deputy DRRMO, External Affairs Deputy DRRMO, Internal Affairs		Reviewed Approved		PHASE I: ALARM PHASE II: RESPONSE PHASE III: EVACUATION PHASE IV: ASSEMBLY PHASE V: HEAD COUNT PHASE VI: EVALUATION TOTAL DRILL RATING		
DRILL EVALUATION		TRAINING NUMBER		C		NC		C	NC	
<b>DRILL INFORMATION</b>		<b>IV. PHASE I: ALARM</b>								
1. <b>TYPE OF DRILL:</b>	1. Warning signal is familiar to every drill participant									
2. <b>Date:</b>	2. Warning signal is loud enough to be heard by drill participant (Siren, Bell, Buzzer, Etc.)									
3. <b>Venue:</b>	<b>V. PHASE II: RESPONSE</b>									
4. <b>Address:</b>	1. Drill participants bring with them essential things contained in the survival kit									
5. <b>EVALUATOR'S PERSONAL INFORMATION</b>	2. Drill participants secure their houses/ rooms before evacuating									
6. <b>Name:</b>	3. Priority to vulnerable groups is observed									
7. <b>Age:</b>	4. DRRMC members and incident command post are visible or are easily distinguished by the community members									
8. <b>Birthdate:</b>	5. DRRMC members are able to perform their assigned task effectively and efficiently									
9. <b>Gender:</b>	<b>VI. PHASE III: EVACUATION</b>									
10. <b>Blood Type:</b>	1. Signage's are in place or drill participants are properly oriented on safe evacuation routes									
11. <b>Religion:</b>	2. Identified evacuation area/s is/are located in a safe place									
12. <b>Home Address:</b>	3. Designated team leaders are able to demonstrate vigilance during the evacuation									
13. <b>Email Address:</b>	4. Evacuation area/s can accommodate all drill participants									
14. <b>Office/Organization:</b>	<b>VII. PHASE IV: ASSEMBLY</b>									
15. <b>Position/Designation:</b>	1. Designated team leaders are able to secure evacuees according to pre determined order or clustering									
16. <b>Office Address:</b>										
17. <b>Home Address:</b>										
18. <b>Birthdate:</b>										
19. <b>Age:</b>										
20. <b>Gender:</b>										
21. <b>Blood Type:</b>										
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148. <b>Birthdate:</b>										
149. <b>Age:</b>										
150. <b>Gender:</b>										
151. <b>Blood Type:</b>										
152. <b>Religion:</b>										
153. <b>Home Address:</b>										
154. <b>Email Address:</b>										
155. <b>Office/Organization:</b>										
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157. <b>Home Address:</b>										
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161. <b>Blood Type:</b>										
162. <b>Religion:</b>										
163. <b>Home Address:</b>										
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165. <b>Office/Organization:</b>										
166. <b>Position/Designation:</b>										
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168. <b>Birthdate:</b>										
169. <b>Age:</b>										
170. <b>Gender:</b>										
171. <b>Blood Type:</b>										
172. <b>Religion:</b>										
173. <b>Home Address:</b>										
174. <b>Email Address:</b>										
175. <b>Office/Organization:</b>										
176. <b>Position/Designation:</b>										
177. <b>Home Address:</b>										
178. <b>Birthdate:</b>										
179. <b>Age:</b>										
180. <b>Gender:</b>										

# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM	IRM-017-0 TRAINING REQUEST				
<b>QUALITY OBJECTIVE</b> TO INCREASE DRR-CCA TRAINED PERSONNEL BY 1% OF THE TOTAL POPULATION OF LA UNION (2015 CENSUS)					
<b>TRAINING REQUEST</b> IV. Client's Note		TRAINING REQUEST FORM NUMBER			
1. TRAINING DETAILS	The portion was intentionally left blank				
2. Type of Training:					
3. Training Venue:					
4. Training Venue:					
5. Venue Address:					
6. Total # of Training Fac:					
7. Inclusive Dates:					
8. CLIENT'S PERSONAL INFORMATION					
9. Name:					
10. Age:					
11. Birthdate:					
12. Blood Type:					
13. Gender:					
14. Contact Number:					
15. Home Address:					
16. Email Address:					
17. CLIENT'S AFFILIATIONS					
18. Office/Organization:					
19. Position/Designation:					
20. Office Address:					
21. Signature Over Printed Name					
22. Date and Time					




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\*\*\* Nothing Follows \*\*\*



# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ISO 9001:2015 FORM	RRM-01B-1 ANNUAL TRAINING SCHEDULE		Training and Education Officer Administration and Training Division Chief	Prepared			
			Deputy PDRRMO, External Affairs Deputy PDRRMO, Internal Affairs	Reviewed			
			Provincial Disaster Risk Reduction and Management Officer	Approved			
<b>QUALITY OBJECTIVE</b>	TO INCREASE DRR-CCA TRAINED PERSONNEL BY 1% OF THE TOTAL POPULATION OF LA UNION (2015 CENSUS)						
<b>ANNUAL TRAINING SCHEDULE</b>	<b>TRAINING</b>	<b>PAX</b>	<b>SCHEDULE</b>	<b>VENUE</b>	<b>ADDRESS</b>	<b>AGENCY</b>	<b>TRAINING TEAM</b>
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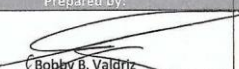
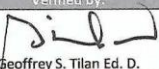
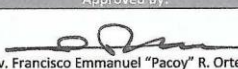









# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

PROVINCIAL GOVERNMENT OF LA UNION									
		<b>Planning and Research Control Procedure</b>							
<b>Type of Document:</b>		<b>Quality Management System Procedure</b>							
<b>Document No.</b>		<b>PGLU-QP-RRM-003</b>	<b>Rev. no.</b>	<b>Ø</b>	<b>Page 1 of 5</b>				
Execution Date	Rev. No.	Revision Type	Change Description	Page Affected	Originator				
17 April 2017	Ø	New	Newly established in accordance to the ISO 9001:2015 requirements.	-	RRM				
Prepared by:		Verified by:		Approved by:					
 <b>Bobby B. Valdez</b> Originator		 <b>Geoffrey S. Tilan Ed. D.</b> ISO Facilitator		 <b>Gov. Francisco Emmanuel "Pacoy" R. Ortega III</b> Provincial Governor					
<small>This document is the sole property of Provincial Government of La Union. Any disclosure, unauthorized reproduction, or use is strictly prohibited without written permission from Provincial Government of La Union.</small>			<small>Only documents with standard stamps of Provincial Government of La Union are considered official.</small>						
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Date: <i>4/18/2017</i>									

# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

	<b>Research and Planning Control Procedure</b>	Document No. : PGLU-QP-RRM-003
		Revision Level : Ø
		Page : Page 2 of 5

**1.0 OBJECTIVE**

The purpose of this procedure is to establish and maintain an effective and efficient PDRRMO – Research and Planning Control process relating to the ISO 9001:2015 requirements.

**2.0 SCOPE**

This procedure is applicable to the entire operation of the Provincial Disaster Risk Reduction and Management Office – Research and Planning Division.

**3.0 DEFINITION OF TERMS**

- 3.1 PGLU – the Provincial Government of La Union is the governing body of the province
- 3.2 PDRRMO – the Provincial Disaster Risk Reduction and Management Office is responsible for ensuring the protection and welfare of the people during disasters or emergencies
- 3.3 PDRRMC – the Provincial Disaster Risk Reduction and management Council, is a working group of various government, non-government, civil sector and private sector organizations of the Provincial Government of La Union.

**4.0 REFERENCE DOCUMENTS**

- 4.1 RA No. 10121
- 4.2 PDRRMO Administrative & Operational Functions, Policies and Procedures


**5.0 RESPONSIBILITY & AUTHORITY**

- 5.1 The PDRRMO shall uphold the people’s constitutional rights to life and property by addressing the root causes of vulnerabilities to disasters, strengthening the province’s institutional capacity for disaster risk reduction and management and building the resilience of its communities to disasters including climate change impacts;
- 5.2 The PDRRMO is composed of a PDRRMO assisted by three (3) staff responsible for: (1) administration and training; (2) research and planning; and (3) operations and warning;
- 5.3 The Research and Planning Division is composed of three units, which are (1) data analysis unit, (2) survey and evaluation unit, (3) bids and citation unit;
- 5.4 The Research and Planning shall design, program, and coordinate disaster risk reduction and management activities consistent with the National Council’s standards and guidelines;
- 5.5 Facilitate and support risk assessments and contingency planning activities at the local level
- 5.6 Consolidate local disaster risk information which includes natural hazards, vulnerabilities, and climate change risks, and maintain a local risk map;
- 5.7 Formulate and implement a comprehensive and integrated LDRRMP in accordance with the national, regional and provincial framework, and policies on disaster risk reduction in close coordination with the local development councils (LDCs);
- 5.8 Prepare and submit to the local sanggunian through the PDRRMC the annual plan and budget, the proposed programming of the provincial disaster risk reduction and management fund, other

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

	<b>Research and Planning Control Procedure</b>	Document No. : PGLU-QP-RRM-003
		Revision Level : Ø
		Page : Page 3 of 5

dedicated disaster risk reduction and management resources, and other regular funding source's and budgetary support of the PDRRMC;

- 5.9 Identify, assess and manage the hazards, vulnerabilities and risk that may occur in their locality; and
- 5.10 Identify and implement cost-effective risk reduction measures/strategies;


## 6.0 PROCEDURE

### 6.1 Data Analysis Unit Process

PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
Draft	Data Analysis Unit Member	shall draft an administrative and operational analysis report	drafted administrative and operational analysis report
Review	Research and Planning Division Chief	shall review, finalize and endorse the administrative and operational analysis report to the provincial disaster risk reduction and management officer.	reviewed administrative and operational analysis report
Note	Provincial Disaster Risk Reduction and Management Officer (PDRRMO)	shall finalize the administrative and operational analysis report	noted administrative and operational analysis report
END			

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	<b>Research and Planning Control Procedure</b>	Document No. : PGLU-QP-RRM-003
		Revision Level : Ø
		Page : Page 4 of 5

## 6.2 Survey and Evaluation Unit Process


PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
Survey	External Provider	shall conduct hazard, vulnerability and capacity assessment	drafted hazard, vulnerability, capacity assessment report
Evaluation	Survey and Evaluation Unit Member	shall evaluate the submitted hazard, vulnerability, capacity assessment report	evaluated hazard, vulnerability, capacity assessment report
Review	Research and Planning Division Chief	shall review, finalize and endorse the documents to the Provincial Disaster Risk Reduction and Management Officer.	reviewed hazard, vulnerability, capacity assessment report
Approval	PDRMO	shall approve the hazard, vulnerability, capacity assessment report.	Approved hazard, vulnerability, capacity assessment report
END			

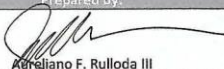
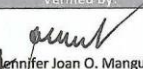
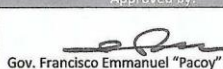
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





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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

PROVINCIAL GOVERNMENT OF LA UNION					
Incident Command System Control Procedure					
		Type of Document: <b>Quality Management System Procedure</b>			
Document No. <b>PGLU-QP-RRM-004</b>		Rev. no. <b>∅</b>		Page 1 of 6	
Execution Date	Rev. No.	Revision Type	Change Description	Page Affected	Originator
17 April 2017	∅	New	Newly established in accordance to the ISO 9001:2015 requirements.	-	RRM
30 April 2018	∅-A	Partial	6.2 Reports	Page 5	RRM

Prepared by:  <b>Aureliano F. Rulloda III</b> <b>Originator</b>	Verified by:  <b>Jennifer Joan O. Manguiat</b> <b>ISO Facilitator</b>	Approved by:  <b>Gov. Francisco Emmanuel "Pacoy" R. Ortega III</b> <b>Provincial Governor</b>
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

	<b>Incident Command System Control Procedure</b>	Document No. : PGLU-QP-RRM-004
		Revision Level : Ø
		Page : Page 2 of 6

## 1.0 OBJECTIVE

The purpose of this procedure is to establish and maintain an effective and efficient PDRRMO – Incident Command System control process relating to the ISO 9001:2015 requirements.

## 2.0 SCOPE

This procedure is applicable to the entire operation of the Provincial Disaster Risk Reduction and Management Council during emergencies and/or calamities.

## 3.0 DEFINITION OF TERMS

- 3.1 PGLU – the Provincial Government of La Union is the governing body of the province
- 3.2 PDRRMO – the Provincial Disaster Risk Reduction and Management Office is responsible for ensuring the protection and welfare of the people during disasters or emergencies
- 3.3 PDRRMC – the Provincial Disaster Risk Reduction and management Council, is a working group of various government, non-government, civil sector and private sector organizations of the Provincial Government of La Union.
- 3.4 ICS – the incident command system is a standardized management tool for meeting the demands of small or large emergency or nonemergency situations.

## 4.0 REFERENCE DOCUMENTS


- 4.1 RA No. 10121
- 4.2 PDRRMO Administrative & Operational Functions, Policies and Procedures
- 4.3 National Incident Management System

## 5.0 RESPONSIBILITY & AUTHORITY

- 5.1 The Provincial Disaster Risk Reduction and management Council being empowered with policy-making, coordination, integration, supervision, monitoring and evaluation functions shall have the following responsibilities:
  - 5.1.1 Develop a Provincial Disaster Risk Reduction and Management Framework that shall provide for comprehensive, all-hazards, multi-sectoral, inter-agency and community-based approach to disaster risk reduction and management. The framework shall serve as the principal guide to disaster risk reduction and management efforts in the province and shall be reviewed on a five (5) year interval, or as may be deemed necessary, in order to ensure its relevance to the items;
  - 5.1.2 Call upon other instrumentalities or entities of the government and nongovernment and civic organizations for assistance in terms of the use of their facilities and resources for the protection and preservation of life and properties in the whole range of disaster risk reduction and management.
  - 5.1.3 Develop appropriate risk transfer mechanisms that shall guarantee social and economic protection and increase resiliency in the face of disaster;

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

	<b>Incident Command System Control Procedure</b>	Document No. : PGLU-QP-RRM-004
		Revision Level : Ø
		Page : Page 3 of 6

## 6.0 PROCEDURE


### 6.1 Incident Command System Unit Process

PROCESS FLOW	RESPONSIBLE	PROCESS DESCRIPTION	RECORDS
START			
Activate	Provincial Disaster Risk Reduction and Management Officer	Shall raise the alert status (white/blue/red) of the Provincial Disaster Risk Reduction and Management Council	ICS 200
Notify	Operations Section Chief	Shall notify all members of the Provincial Disaster Risk Reduction and Management Council	ICS 201
Initial Response & Assessment	Operations Section Chief	Shall provide immediate action to urgent cases	-
Incident Briefing using ICS 201	Operations Section Chief	Shall brief all Provincial Disaster Risk Reduction and Management Council Members & Provincial Incident Management Team	-
Initial Incident Command (IC)/ Unified Command (UC) Meeting	Planning Section Chief	Shall prepare for the IC/UC meeting	-
IC/UC develop/Update Objectives Meeting	Provincial Disaster Risk Reduction and Management Officer & Planning Section Chief	Shall establish incident objectives that cover the entire course of the incident	ICS 202
A			

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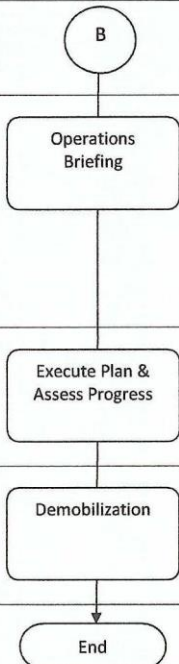
	<b>Incident Command System Control Procedure</b>	Document No. : PGLU-QP-RRM-004
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		Page : Page 4 of 6

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<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">Command &amp; General Staff Meeting</div>	Planning Section Chief	Shall provide immediate direction that cannot wait until the planning process is completed	ICS 203 ICS 207
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">Preparing for the tactic meeting</div>	Operations Section Chief	Shall prepare for the tactics meeting	ICS 211 ICS 215 ICS 215A
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">Tactics meeting</div>	Operations Section Chief	<p>Shall determine how the selected strategy will be accomplished in order to achieve the incident objectives.</p> <p>Shall assign resources to implement the tactics.</p> <p>Shall identify methods for monitoring tactics and resources to determine if adjustments are required.</p>	ICS 211 ICS 215 ICS 215A ICS 218
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">Preparing for the planning meeting</div>	Planning Section Chief	Shall prepare for the planning meeting	-
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">Planning Meeting</div>	Planning Section Chief	Shall indicate when all elements of the plan and support documents are required to be submitted so the plan can be collated, duplicated, and made ready for the operational period briefing.	ICS 204 ICS 205 ICS 205A ICS 206 ICS 208 ICS 213
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">Incident Action Plan preparation and approval</div>	Planning Section Chief	Shall write a plan that is comprised of a series of standard forms and supporting documents that convey the incident commander's intent and the operations section direction for that operational period.	Incident Action Plan ICS 204 ICS 205 ICS 205A ICS 206 ICS 208 ICS 213
B			

<p><b>Registration Mark:</b></p> <div style="border: 1px solid black; padding: 2px;"> <p style="text-align: center;">Master Copy</p> <p>DCC: <i>[Signature]</i></p> <p>Date: <i>3/10/2017</i></p> </div>	<p><b>Distribution Mark:</b></p> <div style="border: 1px solid red; padding: 2px; color: red;"> <p style="text-align: center;">Controlled Copy</p> <p>DCC: <i>[Signature]</i></p> <p>Date: <i>4/11/2017</i></p> </div>	<p><small>This document is updated and controlled if it bears the red "CONTROLLED COPY" stamp. Otherwise, please refer to the Document Control Center (DCC) for your updated copy.</small></p>
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

	<b>Incident Command System Control Procedure</b>	Document No. : PGLU-QP-RRM-004
		Revision Level : Ø
		Page : Page 5 of 6

			
Operations Briefing	Operations Section Chief	Shall conduct at the beginning of each operational period and present the incident action plan to supervisors of tactical resources.  Following the operations period briefing supervisors will meet with their assigned resources for a detailed briefing on their respective assignments	Incident Action Plan ICS 204
Execute Plan & Assess Progress	Operations Section Chief	Shall direct the implementation of the plan. The supervisory personnel within the operations section are responsible for implementation of the plan for the specific operational period.	IAP ICS 210 ICS 214 ICS 219
Demobilization	Provincial Disaster Risk Reduction and Management Officer	Shall terminate the operations	ICS 221 ICS 225 ICS 209 ICS 220
End			

### 6.2 Reports

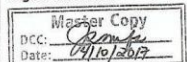

Reports	Frequency	Responsible
Incident Action Plan	Every after Disasters	Provincial Disaster Risk Reduction and Management Office

### 7.0 PERFORMANCE INDICATORS


7.1 The Operations and Warning Division shall ensure outstanding performance of its responsibility and authority defined in item no. 5 of this document.

### 8.0 ATTACHMENTS AND FORMS

- ICS 201: Incident Briefing
- ICS 202: Incident Objectives
- ICS 203: Organization Assignment List
- ICS 204: Assignment List
- ICS 205: Incident Radio Communications Plan
- ICS 205A: Communications List
- ICS 206: Medical Plan
- ICS 207: Incident Organization Chart
- ICS 208: Safety Message/Plan
- ICS 209: Incident Status Summary

<b>Registration Mark:</b> 	<b>Distribution Mark:</b> 	This document is updated and controlled if it bears the red "CONTROLLED COPY" stamp. Otherwise, please refer to the Document Control Center (DCC) for your updated copy.
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

	<b>Incident Command System Control Procedure</b>	Document No. : PGLU-QP-RRM-004
		Revision Level : Ø
		Page : Page 6 of 6

- ICS 210: Resource Status Change
- ICS 211: Incident Check-in List
- ICS 213: General Message
- ICS 214: Activity Log
- ICS 215: Operational Planning Worksheet
- ICS 215A: Incident Action Plan Safety Analysis
- ICS 218: Support Vehicle/Equipment Inventory
- ICS 219: Resource Status Card (T-Card)
- ICS 220: Air Operations Summary
- ICS 221: Demobilization Check-Out
- ICS 225: Incident Personnel Performance Rating

<p><b>Registration Mark:</b></p> <p style="text-align: center;">Master Copy</p> <p>DCC: <i>[Signature]</i></p> <p>Date: 4/19/2019</p>	<p><b>Distribution Mark:</b></p> <p style="text-align: center; color: red;">Controlled Copy</p> <p>DCC: <i>[Signature]</i></p> <p>Date: 4/11/2019</p>	<p>This document is updated and controlled if it bears the red "CONTROLLED COPY" stamp. Otherwise, please refer to the Document Control Center (DCC) for your updated copy.</p>
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## INCIDENT BRIEFING (ICS 201)

<b>1. Incident Name:</b>	<b>2. Incident Number:</b>	<b>3. Date/Time Initiated:</b> Date: _____ Time: _____
<b>4. Map/Sketch</b> (include sketch, showing the total area of operations, the incident site/area, impacted and threatened areas, overflight results, trajectories, impacted shorelines, or other graphics depicting situational status and resource assignment):		
<b>5. Situation Summary and Health and Safety Briefing</b> (for briefings or transfer of command): Recognize potential incident Health and Safety Hazards and develop necessary measures (remove hazard, provide personal protective equipment, warn people of the hazard) to protect responders from those hazards.		
<b>6. Prepared by:</b> Name: _____ Position/Title: _____ Signature: _____		
ICS 201, Page 1		Date/Time: _____

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 Date: 4/11/2017

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 Date: 4/11/2017





# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

**INCIDENT BRIEFING (ICS 201)**

1. Incident Name:	2. Incident Number:	3. Date/Time Initiated: Date: _____ Time: _____
9. Current Organization (fill in additional organization as appropriate):		
<pre> graph TD     IC[Incident Commander] --- LO[Liaison Officer]     IC --- SO[Safety Officer]     IC --- PIO[Public Information Officer]     IC --- OSC[Operations Section Chief]     IC --- PSC[Planning Section Chief]     IC --- LSC[Logistics Section Chief]     IC --- FASC[Finance/Admin Section Chief]             </pre>		
6. Prepared by: Name: _____	Position/Title: _____	Signature: _____
ICS 201, Page 3	Date/Time: _____	

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 Date: 4/10/2017

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 DCC: [Signature]  
 Date: 4/11/2017



# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## INCIDENT OBJECTIVES (ICS 202)

<b>1. Incident Name:</b>	<b>2. Operational Period:</b>	Date From: <u>  </u> / <u>  </u> / <u>  </u> Time From: <u>  </u> : <u>  </u> : <u>  </u>	Date To: <u>  </u> / <u>  </u> / <u>  </u> Time To: <u>  </u> : <u>  </u> : <u>  </u>
<b>3. Objective(s):</b>			
<b>4. Operational Period Command Emphasis:</b>			
General Situational Awareness			
<b>5. Site Safety Plan Required?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> Approved Site Safety Plan(s) Located at: _____			
<b>6. Incident Action Plan</b> (the items checked below are included in this Incident Action Plan):			
<input type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 207	<u>Other Attachments:</u>	
<input type="checkbox"/> ICS 204	<input type="checkbox"/> ICS 208	<input type="checkbox"/>	_____
<input type="checkbox"/> ICS 205	<input type="checkbox"/> Map/Chart	<input type="checkbox"/>	_____
<input type="checkbox"/> ICS 205A	<input type="checkbox"/> Weather Forecast/Tides/Currents	<input type="checkbox"/>	_____
<input type="checkbox"/> ICS 206		<input type="checkbox"/>	_____
<b>7. Prepared by:</b> Name: _____ Position/Title: _____ Signature: _____			
<b>8. Approved by Incident Commander:</b> Name: _____ Signature: _____			
ICS 202	IAP Page	Date/Time: <u>  </u> / <u>  </u> / <u>  </u> <u>  </u> : <u>  </u> : <u>  </u>	

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## ORGANIZATION ASSIGNMENT LIST (ICS 203)

<b>1. Incident Name:</b>		<b>2. Operational Period:</b>		Date From: <small>Date</small>	Date To: <small>Date</small>
				Time From: <small>HH:MM</small>	Time To: <small>HH:MM</small>
<b>3. Incident Commander(s) and Command Staff:</b>			<b>7. Operations Section:</b>		
IC/UCs			Chief		
			Deputy		
Deputy			Staging Area		
Safety Officer			Branch		
Public Info. Officer			Branch Director		
Liaison Officer			Deputy		
<b>4. Agency/Organization Representatives:</b>			Division/Group		
Agency/Organization	Name	Division/Group			
		Division/Group			
		Division/Group			
		Division/Group			
		Branch			
		Branch Director			
		Deputy			
<b>5. Planning Section:</b>			Division/Group		
Chief			Division/Group		
Deputy			Division/Group		
Resources Unit			Division/Group		
Situation Unit			Division/Group		
Documentation Unit			Branch		
Demobilization Unit			Branch Director		
Technical Specialists			Deputy		
			Division/Group		
			Division/Group		
			Division/Group		
<b>6. Logistics Section:</b>			Division/Group		
Chief			Division/Group		
Deputy			<b>Air Operations Branch</b>		
<b>Support Branch</b>			Air Ops Branch Dir.		
Director					
Supply Unit					
Facilities Unit			<b>8. Finance/Administration Section:</b>		
Ground Support Unit			Chief		
<b>Service Branch</b>			Deputy		
Director			Time Unit		
Communications Unit			Procurement Unit		
Medical Unit			Comp/Claims Unit		
Food Unit			Cost Unit		
<b>9. Prepared by:</b> Name:		Position/Title:		Signature: _____	
ICS 203	IAP Page	Date/Time: <small>Date</small>			

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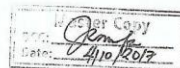




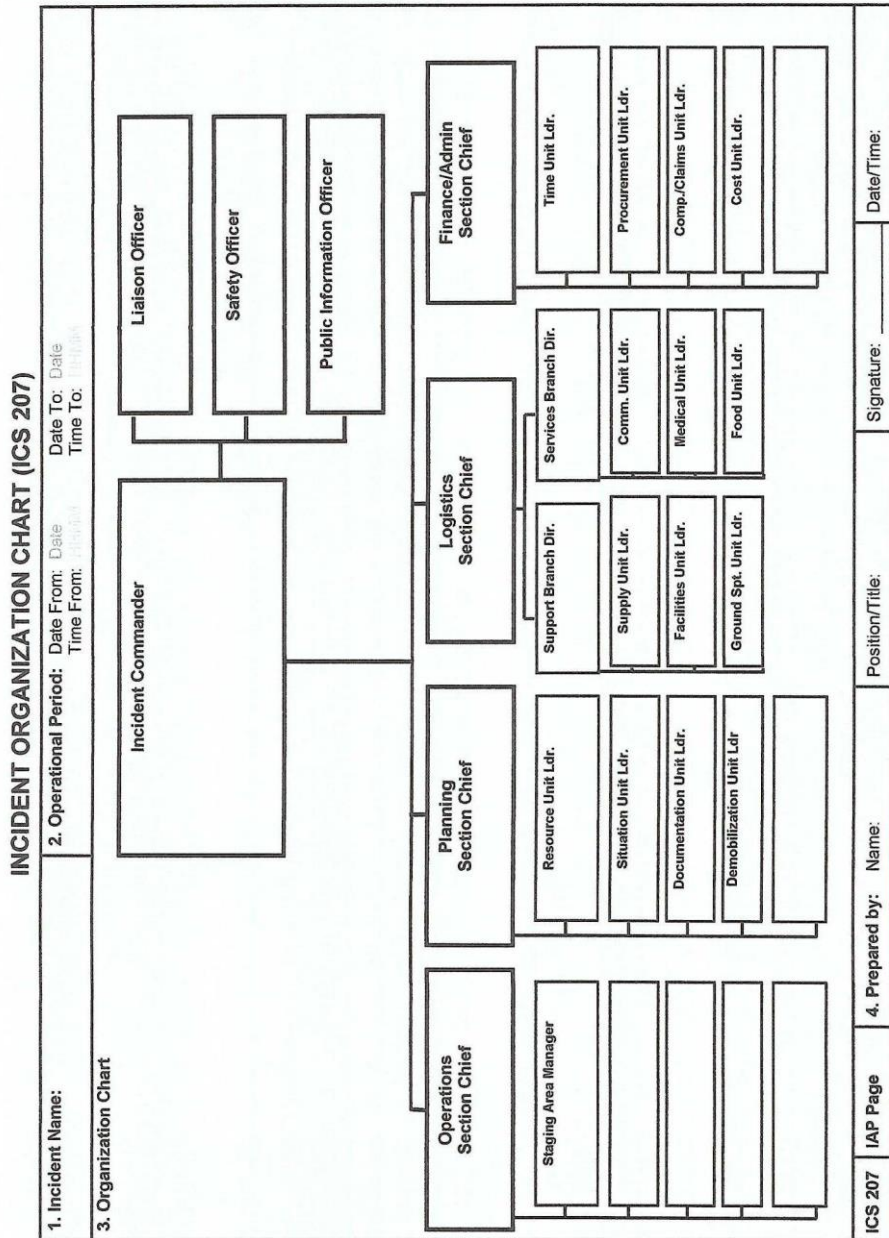
# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## MEDICAL PLAN (ICS 206)

<b>1. Incident Name:</b>		<b>2. Operational Period:</b>		Date From: <u>08:00</u>	Date To: <u>18:00</u>		
				Time From: <u>08:00</u>	Time To: <u>18:00</u>		
<b>3. Medical Aid Stations:</b>							
Name	Location	Contact Number(s)/Frequency	Paramedics on Site?				
			<input type="checkbox"/> Yes <input type="checkbox"/> No				
			<input type="checkbox"/> Yes <input type="checkbox"/> No				
			<input type="checkbox"/> Yes <input type="checkbox"/> No				
			<input type="checkbox"/> Yes <input type="checkbox"/> No				
			<input type="checkbox"/> Yes <input type="checkbox"/> No				
<b>4. Transportation (indicate air or ground):</b>							
Ambulance Service	Location	Contact Number(s)/Frequency	Level of Service				
			<input type="checkbox"/> ALS <input type="checkbox"/> BLS				
			<input type="checkbox"/> ALS <input type="checkbox"/> BLS				
			<input type="checkbox"/> ALS <input type="checkbox"/> BLS				
			<input type="checkbox"/> ALS <input type="checkbox"/> BLS				
<b>5. Hospitals:</b>							
Hospital Name	Address, Latitude & Longitude if Helipad	Contact Number(s)/Frequency	Travel Time		Trauma Center	Burn Center	Helipad
			Air	Ground			
					<input type="checkbox"/> Yes Level: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
					<input type="checkbox"/> Yes Level: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
					<input type="checkbox"/> Yes Level: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
					<input type="checkbox"/> Yes Level: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
					<input type="checkbox"/> Yes Level: _____	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>6. Special Medical Emergency Procedures:</b>							
<input type="checkbox"/> Check box if aviation assets are utilized for rescue. If assets are used, coordinate with Air Operations.							
<b>7. Prepared by (Medical Unit Leader):</b> Name: _____				Signature: _____			
<b>8. Approved by (Safety Officer):</b> Name: _____				Signature: _____			
ICS 206		IAP Page		Date/Time: _____			



# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES





# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name:	2. Operational Period:	Date From: <small>Date</small>	Date To: <small>Date</small>
		Time From: <small>HH:MM:SS</small>	Time To: <small>HH:MM:SS</small>
3. Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:			
4. Site Safety Plan Required? Yes <input type="checkbox"/> No <input type="checkbox"/>			
Approved Site Safety Plan(s) Located At:			
5. Prepared by: Name:		Position/Title:	
Signature: _____			
ICS 208	IAP Page	Date/Time: <small>Date</small>	

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 Date: *4/10/2017*

# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## INCIDENT STATUS SUMMARY (ICS 209)

<b>*1. Incident Name:</b>		<b>2. Incident Number:</b>	
<b>*3. Report Version</b> (check one box on left): <input type="checkbox"/> Initial      Rpt # <input type="checkbox"/> Update      (if used): <input type="checkbox"/> Final	<b>*4. Incident Commander(s) &amp; Agency or Organization:</b>	<b>5. Incident Management Organization:</b>	<b>*6. Incident Start Date/Time:</b> Date: _____ Time: _____ Time Zone: _____
<b>7. Current Incident Size or Area Involved</b> (use unit label – e.g., "sq mi," "city block"):	<b>8. Percent (%) Contained</b>  Completed	<b>*9. Incident Definition:</b>	<b>10. Incident Complexity Level:</b>
		<b>*11. For Time Period:</b> From Date/Time: _____ To Date/Time: _____	

**Approval & Routing Information**

<b>*12. Prepared By:</b> Print Name: _____ ICS Position: _____ Date/Time Prepared: _____	<b>*13. Date/Time Submitted</b> Time Zone: _____
<b>*14. Approved By:</b> Print Name: _____ ICS Position: _____ Signature: _____	<b>*15. Primary Location, Organization, or Agency Sent To:</b>

**Incident Location Information**

<b>*16. State:</b>	<b>*17. County/Parish/Borough:</b>	<b>*18. City:</b>
<b>19. Unit or Other:</b>	<b>*20. Incident Jurisdiction:</b>	<b>21. Incident Location Ownership</b> (if different than jurisdiction):
<b>22. Longitude</b> (indicate format): Latitude (indicate format):	<b>23. US National Grid Reference:</b>	<b>24. Legal Description</b> (township, section, range):
<b>*25. Short Location or Area Description</b> (list all affected areas or a reference point):		<b>26. UTM Coordinates:</b>
<b>27. Note any electronic geospatial data included or attached</b> (indicate data format, content, and collection time information and labels):		

**Incident Summary**

<b>*28. Significant Events for the Time Period Reported</b> (summarize significant progress made, evacuations, incident growth, etc.):				
<b>29. Primary Materials or Hazards Involved</b> (hazardous chemicals, fuel types, infectious agents, radiation, etc.):				
<b>30. Damage Assessment Information</b> (summarize damage and/or restriction of use or availability to residential or commercial property, natural resources, critical infrastructure and key resources, etc.):	<b>A. Structural Summary</b>	<b>B. # Threatened</b> (72 hrs)	<b>C. # Damaged</b>	<b>D. # Destroyed</b>
	<b>E. Single Residences</b>			
	<b>F. Nonresidential Commercial Property</b>			
	<b>Other Minor Structures</b>			
	<b>Other</b>			
ICS 209, Page 1 of		* Required when applicable.		

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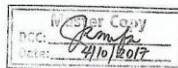
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 Date: 4/11/2012



# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## INCIDENT STATUS SUMMARY (ICS 209)

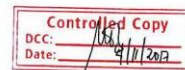
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<b>Additional Incident Decision Support Information</b>																																																																									
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<b>35. Weather Concerns</b> (synopsis of current and predicted weather; discuss related factors that may cause concern):  																																																																									
<b>36. Projected Incident Activity, Potential, Movement, Escalation, or Spread</b> and influencing factors during the next operational period and in 12-, 24-, 48-, and 72-hour timeframes: 12 hours: 24 hours: 48 hours: 72 hours: Anticipated after 72 hours:																																																																									
<b>37. Strategic Objectives</b> (define planned end-state for incident):  																																																																									
ICS 209, Page 2 of		* Required when applicable.																																																																							



# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## INCIDENT STATUS SUMMARY (ICS 209)

*1. Incident Name:	2. Incident Number:
<i>Additional Incident Decision Support Information (continued)</i>	
<p><b>38. Current Incident Threat Summary and Risk Information in 12-, 24-, 48-, and 72-hour timeframes and beyond.</b> Summarize primary incident threats to life, property, communities and community stability, residences, health care facilities, other critical infrastructure and key resources, commercial facilities, natural and environmental resources, cultural resources, and continuity of operations and/or business. Identify corresponding incident-related potential economic or cascading impacts.</p> <p>12 hours:</p> <p>24 hours:</p> <p>48 hours:</p> <p>72 hours:</p> <p>Anticipated after 72 hours:</p>	
<p><b>39. Critical Resource Needs in 12-, 24-, 48-, and 72-hour timeframes and beyond to meet critical incident objectives.</b> List resource category, kind, and/or type, and amount needed, in priority order:</p> <p>12 hours:</p> <p>24 hours:</p> <p>48 hours:</p> <p>72 hours:</p> <p>Anticipated after 72 hours:</p>	
<p><b>40. Strategic Discussion:</b> Explain the relation of overall strategy, constraints, and current available information to:</p> <ol style="list-style-type: none"> <li>1) critical resource needs identified above,</li> <li>2) the Incident Action Plan and management objectives and targets,</li> <li>3) anticipated results.</li> </ol> <p>Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.</p>	
41. Planned Actions for Next Operational Period:	
42. Projected Final Incident Size/Area (use unit label – e.g., “sq mi”):	
43. Anticipated Incident Management Completion Date:	
44. Projected Significant Resource Demobilization Start Date:	
45. Estimated Incident Costs to Date:	
46. Projected Final Incident Cost Estimate:	
47. Remarks (or continuation of any blocks above – list block number in notation):	
ICS 209, Page 3 of	* Required when applicable.



# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## INCIDENT STATUS SUMMARY (ICS 209)

1. Incident Name:		2. Incident Number:	
<i>Incident Resource Commitment Summary</i>			
48. Agency or Organization:	49. Resources (summarize resources by category, kind, and/or type; show # of resources on top ½ of box, show # of personnel associated with resource on bottom ½ of box):	50. Additional Personnel not assigned to a resource:	51. Total Personnel (includes those associated with resources – e.g., aircraft or engines – and individual overhead):
52. Total Resources			
53. Additional Cooperating and Assisting Organizations Not Listed Above:			
ICS 209, Page      of		* Required when applicable.	

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## GENERAL MESSAGE (ICS 213)

1. Incident Name (Optional):		
2. To (Name and Position):		
3. From (Name and Position):		
4. Subject:	5. Date:	6. Time
7. Message:		
8. Approved by: Name: _____ Signature: _____ Position/Title: _____		
9. Reply:		
10. Replied by: Name: _____ Position/Title: _____ Signature: _____		
ICS 213	Date/Time: Date	

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type	Name/ID #	
<b>Front</b>			
Date/Time Checked In:			
Leader Name:			
Primary Contact Information:			
Crew/Team ID #(s) or Name(s):			
Manifest:		Total Weight:	
<input type="checkbox"/> Yes <input type="checkbox"/> No			
Method of Travel to Incident:			
<input type="checkbox"/> AOV <input type="checkbox"/> POV <input type="checkbox"/> Bus <input type="checkbox"/> Air <input type="checkbox"/> Other			
Home Base:			
Departure Point:			
ETD:		ETA:	
Transportation Needs at Incident:			
<input type="checkbox"/> Vehicle <input type="checkbox"/> Bus <input type="checkbox"/> Air <input type="checkbox"/> Other			
Date/Time Ordered:			
Remarks:			
Prepared by:			
Date/Time:			
ICS 219-2 CREW/TEAM (GREEN)			

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type	Name/ID #	
<b>Back</b>			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers			
<input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR:			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers			
<input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR:			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers			
<input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR:			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers			
<input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR:			
Notes:			
Prepared by:			
Date/Time:			
ICS 219-2 CREW/TEAM (GREEN)			

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type		Name/ID #
<b>Front</b>			
Date/Time Checked In:			
Leader Name:			
Primary Contact Information:			
Resource ID #(s) or Name(s):			
Home Base:			
Departure Point:			
ETD:		ETA:	
Date/Time Ordered:			
Remarks:			
Prepared by:			
Date/Time: Date			
ICS 219-3 ENGINE (ROSE)			

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type		Name/ID #
<b>Back</b>			
Incident Location:		Time:	
<b>Status:</b>			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: HHMM			
Notes:			
Incident Location:		Time:	
<b>Status:</b>			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: HHMM			
Notes:			
Incident Location:		Time:	
<b>Status:</b>			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: HHMM			
Notes:			
Prepared by:			
Date/Time: Date			
ICS 219-3 ENGINE (ROSE)			

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type	Name/ID #	
<b>Front</b>			
Date/Time Checked In:			
Pilot Name:			
Home Base:			
Departure Point:			
ETD:		ETA:	
Destination Point:			
Date/Time Ordered:			
Remarks:			
Prepared by:			
Date/Time:			
ICS 219-4 HELICOPTER (BLUE)			

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type	Name/ID #	
<b>Back</b>			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR:			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR:			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR:			
Notes:			
Prepared by:			
Date/Time:			
ICS 219-4 HELICOPTER (BLUE)			

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ST/Unit:	Name:	Position/Title:
<b>Front</b>		
Date/Time Checked In:		
Name:		
Primary Contact Information:		
Manifest: <input type="checkbox"/> Yes <input type="checkbox"/> No	Total Weight:	
Method of Travel to Incident: <input type="checkbox"/> AOV <input type="checkbox"/> POV <input type="checkbox"/> Bus <input type="checkbox"/> Air <input type="checkbox"/> Other		
Home Base:		
Departure Point:		
ETD:	ETA:	
Transportation Needs at Incident: <input type="checkbox"/> Vehicle <input type="checkbox"/> Bus <input type="checkbox"/> Air <input type="checkbox"/> Other		
Date/Time Ordered:		
Remarks:		
Prepared by:		
Date/Time:    Date		
ICS 219-5 PERSONNEL (WHITE CARD)		

ST/Unit:	Name:	Position/Title:
<b>Back</b>		
Incident Location:		Time:
Status: <input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: H/H/M/M		
Notes:		
Incident Location:		Time:
Status: <input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: H/H/M/M		
Notes:		
Incident Location:		Time:
Status: <input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: H/H/M/M		
Notes:		
Prepared by:		
Date/Time:    Date		
ICS 219-5 PERSONNEL (WHITE CARD)		

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type		Name/ID #
<b>Front</b>			
Date/Time Checked-In:			
Pilot Name:			
Home Base:			
Departure Point:			
ETD:		ETA:	
Destination Point:			
Date/Time Ordered:			
Manufacturer:			
Remarks:			
Prepared by:			
Date/Time: Date			
ICS 219-6 FIXED-WING (ORANGE)			

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type		Name/ID #
<b>Back</b>			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: HHMM			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: HHMM			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: HHMM			
Notes:			
Prepared by:			
Date/Time: Date			
ICS 219-6 FIXED-WING (ORANGE)			

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type		Name/ID #
<b>Front</b>			
Date/Time Checked In:			
Leader Name:			
Primary Contact Information:			
Resource ID #(s) or Name(s):			
Home Base:			
Departure Point:			
ETD:		ETA:	
Date/Time Ordered:			
Remarks:			
Prepared by:			
Date/Time: Date			
<b>ICS 219-7 EQUIPMENT (YELLOW)</b>			

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type		Name/ID #
<b>Back</b>			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: H/H/M/M			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: H/H/M/M			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: H/H/M/M			
Notes:			
Prepared by:			
Date/Time: Date			
<b>ICS 219-7 EQUIPMENT (YELLOW)</b>			

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type		Name/ID #
<i>Front</i>			
Date/Time Checked In:			
Leader Name:			
Primary Contact Information:			
Resource ID #(s) or Name(s):			
Home Base:			
Departure Point:			
ETD:		ETA:	
Date/Time Ordered:			
Remarks:			
Prepared by:			
Date/Time: <i>Date</i>			
ICS 219-8 MISCELLANEOUS EQUIPMENT/TASK FORCE (TAN)			

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type		Name/ID #
<i>Back</i>			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: <i>HRMM</i>			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: <i>HRMM</i>			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: <i>HRMM</i>			
Notes:			
Prepared by:			
Date/Time: <i>Date</i>			
ICS 219-8 MISCELLANEOUS EQUIPMENT/TASK FORCE (TAN)			


  
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type		Name/ID #
<b>Front</b>			
Date/Time Checked In:			
Leader Name:			
Primary Contact Information:			
Resource ID #(s) or Name(s):			
Home Base:			
Departure Point:			
ETD:		ETA:	
Date/Time Ordered:			
Remarks:			
Prepared by:			
Date/Time: <i>Date</i>			
ICS 219-10 GENERIC (LIGHT PURPLE)			

ST/Unit:	LDW:	# Pers:	Order #:
Agency	Cat/Kind/Type		Name/ID #
<b>Back</b>			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: H/H/M/M			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: H/H/M/M			
Notes:			
Incident Location:		Time:	
Status:			
<input type="checkbox"/> Assigned <input type="checkbox"/> O/S Rest <input type="checkbox"/> O/S Pers <input type="checkbox"/> Available <input type="checkbox"/> O/S Mech <input type="checkbox"/> ETR: H/H/M/M			
Notes:			
Prepared by:			
Date/Time: <i>Date</i>			
ICS 219-10 GENERIC (LIGHT PURPLE)			

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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## DEMOBILIZATION CHECK-OUT (ICS 221)

<b>1. Incident Name:</b>		<b>2. Incident Number:</b>	
<b>3. Planned Release Date/Time:</b> Date: <u>      </u> Time: <u>      </u>		<b>4. Resource or Personnel Released:</b>	<b>5. Order Request Number:</b>
<b>6. Resource or Personnel:</b> You and your resources are in the process of being released. Resources are not released until the checked boxes below have been signed off by the appropriate overhead and the Demobilization Unit Leader (or Planning Section representative).			
<b>LOGISTICS SECTION</b>			
	<b>Unit/Manager</b>	<b>Remarks</b>	<b>Name                      Signature</b>
<input type="checkbox"/>	Supply Unit		
<input type="checkbox"/>	Communications Unit		
<input type="checkbox"/>	Facilities Unit		
<input type="checkbox"/>	Ground Support Unit		
<input type="checkbox"/>	Security Manager		
<input type="checkbox"/>			
<b>FINANCE/ADMINISTRATION SECTION</b>			
	<b>Unit/Leader</b>	<b>Remarks</b>	<b>Name                      Signature</b>
<input type="checkbox"/>	Time Unit		
<input type="checkbox"/>			
<input type="checkbox"/>			
<b>OTHER SECTION/STAFF</b>			
	<b>Unit/Other</b>	<b>Remarks</b>	<b>Name                      Signature</b>
<input type="checkbox"/>			
<input type="checkbox"/>			
<b>PLANNING SECTION</b>			
	<b>Unit/Leader</b>	<b>Remarks</b>	<b>Name                      Signature</b>
<input type="checkbox"/>			
<input type="checkbox"/>	Documentation Leader		
<input type="checkbox"/>	Demobilization Leader		
<b>7. Remarks:</b>			
<b>8. Travel Information:</b>			
Estimated Time of Departure: _____		Room Overnight: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Destination: _____		Actual Release Date/Time: _____	
Travel Method: _____		Estimated Time of Arrival: _____	
Manifest: <input type="checkbox"/> Yes <input type="checkbox"/> No		Contact Information While Traveling: _____	
Number: _____		Area/Agency/Region Notified: _____	
<b>9. Reassignment Information:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No			
Incident Name: _____		Incident Number: _____	
Location: _____		Order Request Number: _____	
<b>10. Prepared by:</b> Name: _____		Position/Title: _____	Signature: _____
ICS 221		Date/Time: <u>      </u>	

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 Date: 4/10/2019

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 Date: 4/10/2019

# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## INCIDENT PERSONNEL PERFORMANCE RATING (ICS 225)

THIS RATING IS TO BE USED <u>ONLY</u> FOR DETERMINING AN INDIVIDUAL'S PERFORMANCE ON AN INCIDENT/EVENT						
1. Name:		2. Incident Name:		3. Incident Number:		
4. Home Unit Name and Address:			5. Incident Agency and Address:			
6. Position Held on Incident:		7. Date(s) of Assignment: From: <u>      </u> Date To: <u>      </u> Date		8. Incident Complexity Level: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5		
<b>10. Evaluation</b>						
Rating Factors	N/A	1 – Unacceptable	2	3 – Met Standards	4	5 – Exceeded Expectations
11. Knowledge of the Job/ Professional Competence: Ability to acquire, apply, and share technical and administrative knowledge and skills associated with description of duties. (Includes operational aspects such as marine safety, seamanship, airmanahip, SAR, etc., as appropriate.)	<input type="checkbox"/>	Questionable competence and credibility. Operational or specialty expertise inadequate or lacking in key areas. Made little effort to grow professionally. Used knowledge as power against others or bluffed rather than acknowledging ignorance. Effectiveness reduced due to limited knowledge of own organizational role and customer needs.	<input type="checkbox"/>	Competent and credible authority on specialty or operational issues. Acquired and applied excellent operational or specialty expertise for assigned duties. Showed professional growth through education, training, and professional reading. Shared knowledge and information with others clearly and simply. Understood own organizational role and customer needs.	<input type="checkbox"/>	Superior expertise; advice and actions showed great breadth and depth of knowledge. Remarkable grasp of complex issues, concepts, and situations. Rapidly developed professional growth beyond expectations. Vigorously conveyed knowledge, directly resulting in increased workplace productivity. Insightful knowledge of own role, customer needs, and value of work.
12. Ability To Obtain Performance/Results: Quality, quantity, timeliness, and impact of work.	<input type="checkbox"/>	Routine tasks accomplished with difficulty. Results often late or of poor quality. Work had a negative impact on department or unit. Maintained the status quo despite opportunities to improve.	<input type="checkbox"/>	Got the job done in all routine situations and in many unusual ones. Work was timely and of high quality; required same of subordinates. Results had a positive impact on IMT. Continuously improved services and organizational effectiveness.	<input type="checkbox"/>	Maintained optimal balance among quality, quantity, and timeliness of work. Quality of own and subordinates' work surpassed expectations. Results had a significant positive impact on the IMT. Established clearly effective systems of continuous improvement.
13. Planning/ Preparedness: Ability to anticipate, determine goals, identify relevant information, set priorities and deadlines, and create a shared vision of the Incident Management Team (IMT).	<input type="checkbox"/>	Got caught by the unexpected; appeared to be controlled by events. Set vague or unrealistic goals. Used unreasonable criteria to set priorities and deadlines. Rarely had plan of action. Failed to focus on relevant information.	<input type="checkbox"/>	Consistently prepared. Set high but realistic goals. Used sound criteria to set priorities and deadlines. Used quality tools and processes to develop action plans. Identified key information. Kept supervisors and stakeholders informed.	<input type="checkbox"/>	Exceptional preparation. Always looked beyond immediate events or problems. Skillfully balanced competing demands. Developed strategies with contingency plans. Assessed all aspects of problems, including underlying issues and impact.
14. Using Resources: Ability to manage time, materials, information, money, and people (i.e., all IMT components as well as external publics).	<input type="checkbox"/>	Concentrated on unproductive activities or often overlooked critical demands. Failed to use people productively. Did not follow up. Mismanaged information, money, or time. Used ineffective tools or left subordinates without means to accomplish tasks. Employed wasteful methods.	<input type="checkbox"/>	Effectively managed a variety of activities with available resources. Delegated, empowered, and followed up. Skilled time manager; budgeted own and subordinates' time productively. Ensured subordinates had adequate tools, materials, time, and direction. Cost conscious, sought ways to cut waste.	<input type="checkbox"/>	Unusually skilled at bringing scarce resources to bear on the most critical of competing demands. Optimized productivity through effective delegation, empowerment, and follow-up control. Found ways to systematically reduce cost, eliminate waste, and improve efficiency.
15. Adaptability/Attitude: Ability to maintain a positive attitude and modify work methods and priorities in response to new information, changing conditions, political realities, or unexpected obstacles.	<input type="checkbox"/>	Unable to gauge effectiveness of work, recognize political realities, or make adjustments when needed. Maintained a poor outlook. Overlooked or screened out new information. Ineffective in ambiguous, complex, or pressured situations.	<input type="checkbox"/>	Receptive to change, new information, and technology. Effectively used benchmarks to improve performance and service. Monitored progress and changed course as required. Maintained a positive approach. Effectively dealt with pressure and ambiguity. Facilitated smooth transitions. Adjusted direction to accommodate political realities.	<input type="checkbox"/>	Rapidly assessed and confidently adjusted to changing conditions, political realities, new information, and technology. Very skilled at using and responding to measurement indicators. Championed organizational improvements. Effectively dealt with extremely complex situations. Turned pressure and ambiguity into constructive forces for change.
16. Communication Skills: Ability to speak effectively and listen to understand. Ability to express facts and ideas clearly and convincingly.	<input type="checkbox"/>	Unable to effectively articulate ideas and facts; lacked preparation, confidence, or logic. Used inappropriate language or rambled. Nervous or distracting mannerisms detracted from message. Failed to listen carefully or was too argumentative. Written material frequently unclear, verbose, or poorly organized. Seldom proofread.	<input type="checkbox"/>	Effectively expressed ideas and facts in individual and group situations; nonverbal actions consistent with spoken message. Communicated to people at all levels to ensure understanding. Listened carefully for intended message as well as spoken words. Written material clear, concise, and logically organized. Proofread conscientiously.	<input type="checkbox"/>	Clearly articulated and promoted ideas before a wide range of audiences; accomplished speaker in both formal and extemporaneous situations. Adept at presenting complex or sensitive issues. Active listener; remarkable ability to listen with open mind and identify key issues. Clearly and persuasively expressed complex or controversial material, directly contributing to stated objectives.

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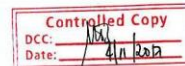
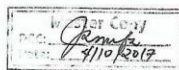
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# PROVINCIAL GOVERNMENT OF LA UNION – PROVINCIAL DISASTER RISK REDUCTION AND MANAGEMENT ISO QUALITY CONTROL PROCEDURES

## INCIDENT PERSONNEL PERFORMANCE RATING (ICS 225)

1. Name:		2. Incident Name:			3. Incident Number:	
<b>10. Evaluation</b>						
Rating Factors	N/A	1 – Unacceptable	2	3 – Met Standards	4	5 – Exceeded Expectations
17. Ability To Work on a Team: Ability to manage, lead and participate in teams, encourage cooperation, and develop esprit de corps.	<input type="checkbox"/>	Used teams ineffectively or at wrong times. Conflicts mismanaged or often left unresolved, resulting in decreased team effectiveness. Excluded team members from vital information. Stifled group discussions or did not contribute productively. Inhibited cross functional cooperation to the detriment of unit or service goals.	<input type="checkbox"/>	Skillfully used teams to increase unit effectiveness, quality, and service. Resolved or mitigated conflict, enhanced cooperation, and involved team members in decision process. Valued team participation. Effectively negotiated work across functional boundaries to enhance support of broader mutual goals.	<input type="checkbox"/>	Insightful use of teams raised unit productivity beyond expectations. Aspired high level of esprit de corps, even in difficult situations. Major contributor to team effort. Established relationships and networks across a broad range of people and groups, raising accomplishments of mutual goals to a remarkable level.
18. Consideration for Personnel/Team Welfare: Ability to consider and respond to others' personal needs, capabilities, and achievements; support for and application of worklife concepts and skills.	<input type="checkbox"/>	Seldom recognized or responded to needs of people; left outside resources untapped despite apparent need. Ignorance of individuals' capabilities increased chance of failure. Seldom recognized or rewarded deserving subordinates or other IMT members.	<input type="checkbox"/>	Cared for people. Recognized and responded to their needs; referred to outside resources as appropriate. Considered individuals' capabilities to maximize opportunities for success. Consistently recognized and rewarded deserving subordinates or other IMT members.	<input type="checkbox"/>	Always accessible. Enhanced overall quality of life. Actively contributed to achieving balance among IMT requirements and professional and personal responsibilities. Strong advocate for subordinates, ensured appropriate and timely recognition, both formal and informal.
19. Directing Others: Ability to influence or direct others in accomplishing tasks or missions.	<input type="checkbox"/>	Showed difficulty in directing or influencing others. Low or unclear work standards reduced productivity. Failed to hold subordinates accountable for shoddy work or irresponsible actions. Unwilling to delegate authority to increase efficiency of task accomplishment.	<input type="checkbox"/>	A leader who earned others' support and commitment. Set high work standards; clearly articulated job requirements, expectations, and measurement criteria; held subordinates accountable. When appropriate, delegated authority to those directly responsible for the task.	<input type="checkbox"/>	An inspirational leader who motivated others to achieve results not normally attainable. Won people over rather than imposing will. Clearly articulated vision; empowered subordinates to set goals and objectives to accomplish tasks. Modified leadership style to best meet challenging situations.
20. Judgment/Decisions Under Stress: Ability to make sound decisions and provide valid recommendations by using facts, experience, political acumen, common sense, risk assessment, and analytical thought.	<input type="checkbox"/>	Decisions often displayed poor analysis. Failed to make necessary decisions, or jumped to conclusions without considering facts, alternatives, and impact. Did not effectively weigh risk, cost, and time considerations. Unconcerned with political drivers on organization.	<input type="checkbox"/>	Demonstrated analytical thought and common sense in making decisions. Used facts, data, and experience, and considered the impact of alternatives and political realities. Weighed risk, cost, and time considerations. Made sound decisions promptly with the best available information.	<input type="checkbox"/>	Combined keen analytical thought, an understanding of political processes, and insight to make appropriate decisions. Focused on the key issues and the most relevant information. Did the right thing at the right time. Actions indicated awareness of impact of decisions on others. Not afraid to take reasonable risks to achieve positive results.
21. Initiative Ability to originate and act on new ideas, pursue opportunities to learn and develop, and seek responsibility without guidance and supervision.	<input type="checkbox"/>	Postponed needed action. Implemented or supported improvements only when directed to do so. Showed little interest in career development. Feasible improvements in methods, services, or products went unexplored.	<input type="checkbox"/>	Championed improvement through new ideas, methods, and practices. Anticipated problems and took prompt action to avoid or resolve them. Pursued productivity gains and enhanced mission performance by applying new ideas and methods.	<input type="checkbox"/>	Aggressively sought out additional responsibility. A self-learner. Made worthwhile ideas and practices work when others might have given up. Extremely innovative. Optimized use of new ideas and methods to improve work processes and decisionmaking.
22. Physical Ability for the Job: Ability to invest in the IMT's future by caring for the physical health and emotional well-being of self and others.	<input type="checkbox"/>	Failed to meet minimum standards of sobriety. Tolerated or condoned others' alcohol abuse. Seldom considered subordinates' health and well-being. Unwilling or unable to recognize and manage stress despite apparent need.	<input type="checkbox"/>	Committed to health and well-being of self and subordinates. Enhanced personal performance through activities supporting physical and emotional well-being. Recognized and managed stress effectively.	<input type="checkbox"/>	Remarkable vitality, enthusiasm, alertness, and energy. Consistently contributed at high levels of activity. Optimized personal performance through involvement in activities that supported physical and emotional well-being. Monitored and helped others deal with stress and enhance health and well-being.
23. Adherence to Safety: Ability to invest in the IMT's future by caring for the safety of self and others.	<input type="checkbox"/>	Failed to adequately identify and protect personnel from safety hazards.	<input type="checkbox"/>	Ensured that safe operating procedures were followed.	<input type="checkbox"/>	Demonstrated a significant commitment toward safety of personnel.
24. Remarks:						
25. Rated Individual (This rating has been discussed with me): Signature: _____ Date/Time: _____						
26. Rated by: Name: _____ Signature: _____ Home Unit: _____ Position Held on This Incident: _____						
ICS 225			Date/Time: Date _____			



## CHAPTER 7:

### REFERENCES

The following publications were used as reference materials in the formulation of the PDRRMP 2020-2025:

1. Hyogo Framework for Action
2. Sendai Framework for Disaster Risk Reduction 2015-2030
3. National Disaster Risk Reduction and Management Plan 2011-2028
4. Provincial Disaster Risk Reduction and Management Plan 2017-2022
5. Republic Act No. 10121
6. Republic Act No. 7169
7. Republic Act No. 8185
8. Republic Act No. 8749
9. Republic Act No. 9729
10. Republic Act No. 10639
11. Republic Act No. 11469
12. Republic Act No. 11494
13. Executive Order No. 56, series of 2018
14. WHO/EHA Emergency Health Training Programme for Africa (*Panafrican Emergency Training Centre, Addis Ababa, July 1998*)
15. WHO A Strategic Framework for Emergency Preparedness
16. Perceptions of Disaster Resilience and Preparedness in the Philippines (*Vincenzo Bollettino, Tilly Alcayna, Krish Enriques, Patrick Vinck, June 2018*)
17. WHO Mental Health in Emergencies (*L. Mackenzie, June 2019*)
18. UNDP Livelihoods and Economic Recovery in Crisis Situations (*2013*)
19. Guide for All-Hazard Emergency Operations Planning (*September 1996*)
20. United Nations Disaster Preparedness for Effective Response Guidance and Indicator Package for Implementing Priority Five of the Hyogo Framework
21. Disaster Risk Reduction in the Philippines Status Report 2019 (UNDRR, ADPC)