

CONTINGENCY PLAN FOR FLOOD

Parañaque City

Disaster Risk Reduction and Management Council

ON GOING UPDATING

Prepared By: Paranaque City Disaster Risk Reduction and Management Office (2014)

MESSAGE



Congratulations to the Disaster Risk Reduction and Management Office for coming up with this very informative and very timely handbook on disaster risk reduction and management called “Contingency Plan for Floods and Earthquakes” which, as its name suggests, is our city’s blueprint and guide in dealing with such calamities.

It is now an accepted fact, as evidenced by recent events that impacted our city, that natural disasters will be a part of our lives. While these events are very hard to predict, much less avoid, it should not deter the city government and the people of Parañaque from making preparations so that the impacts of these disasters can be minimized.

Our nation has paid a very high price in terms of human lives and properties lost to various natural disasters, which makes it imperative for all communities and local government units to come up with contingency plans especially in the face of calamities like floods and earthquakes.

This “Contingency Plans for Floods and Earthquakes” should help various stakeholders in determining all kinds of threats that we face from natural calamities, and to prepare based on available and verifiable data and risk analysis. From this “Plan”, we hope to come up with more solutions and viable approaches to disaster management in the immediate future.

I commend the DRRMO under Dr. Teodoro Gonzalez Jr. as well as all the members of the Disaster Risk Reduction and Management Council for this initiative. Certainly, this will go a long way towards helping save lives and properties. And even if this “Contingency Plan” is able to save only one single life in the future, it should be worth all your efforts.

Again, congratulations for a job well done!

Yours in public service,

A handwritten signature in black ink, appearing to read 'Edwin L. Olivarez'. The signature is fluid and cursive, with a large initial 'E' and 'O'. It is positioned above the printed name and title.

EDWIN L. OLIVAREZ
City Mayor

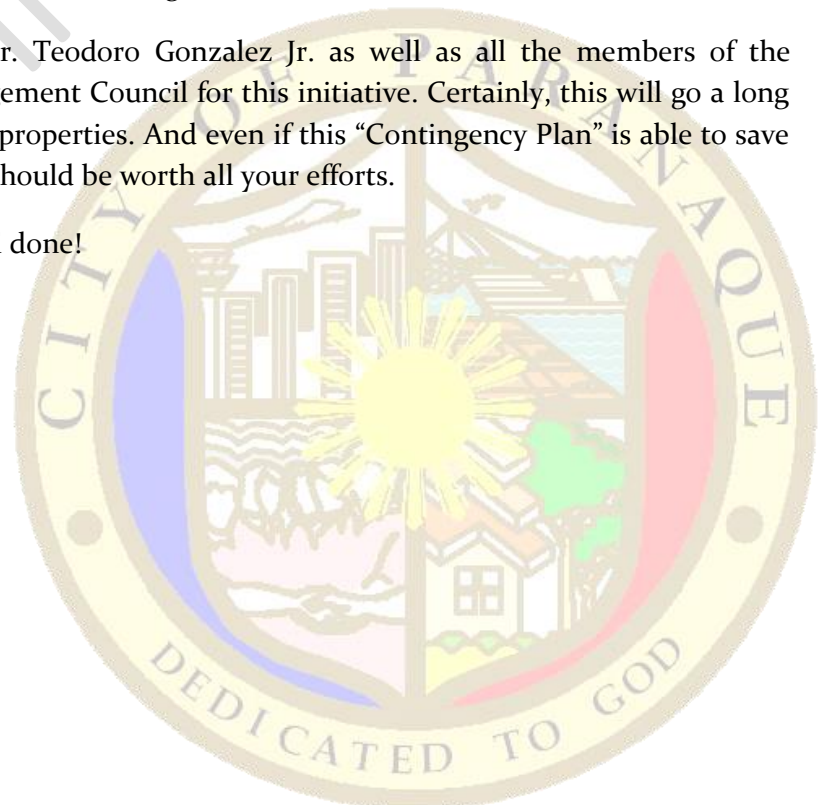


TABLE OF CONTENTS

CHAPTER 1: BACKGROUND AND RATIONALE	1
A. BACKGROUND OF PARANAQUE CITY	1
B. DECISION AND APPROVAL	6
C. CONTINGENCY PLAN FORMULATION AND APPROVAL	7
CHAPTER 2: KEY CONSIDERATIONS IN THE FORMULATION OF CONTINGENCY PLAN FOR FLOODING	8
A. HAZARD IDENTIFICATION AND RISK PROFILING	8
B. SCENARIO BUILDING	ERROR! BOOKMARK NOT DEFINED.
2.3 PLANNING ASSUMPTIONS	18
CHAPTER 3: GENERAL POLICIES AND OBJECTIVES	1
CHAPTER 4: SECTORAL ARRANGEMENT AND PLANS	3
A. RESPONSE SECTORS:	ERROR! BOOKMARK NOT DEFINED.
4.2 SECTORAL OBJECTIVES, FLOW OF OPERATIONS, GAP IDENTIFICATION AND RESPONSE PLANS	6
4.3 NEEDS PROJECTION AND RESOURCE GAP IDENTIFICATION	ERROR! BOOKMARK NOT DEFINED.
CHAPTER 5: PROCEDURES FOR FEEDBACK, UPGRADING AND FUTURE ACTION	2
ALLOCATION OF RESPONSIBILITIES:	2
ANNEXES	3
COUNCIL RESOLUTION 001 SERIES OF 2014	4
INCIDENT COMMAND SYSTEM	4
INCIDENT COMMAND SYSTEM	ERROR! BOOKMARK NOT DEFINED.
WEATHER DISTURBANCES – WARNING AND ACTION TO BE TAKEN	6
HAZARD MAPS	10
PHOTO DOCUMENTATION	12
RESOURCE INVENTORY	13
LIST OF EVACUATION CENTERS	23

CHAPTER I: BACKGROUND AND RATIONALE

A. BACKGROUND OF PARANAQUE CITY

GEOGRAPHIC

Boundary: Pasay City on the north, Taguig on the northeast, Muntinlupa on the southeast, Las Piñas on the southwest and Manila Bay on the west.

Land Area: 46.57 square kilometers

Characteristics: Subdivided into sixteen (16) Barangays with two (2) districts. District I and II are composed of eight (8) barangays each. The first district is composed of Barangays Baclaran, Tambo, Don Galo, Sto. Niño, La Huerta, San Dionisio, Vitalez and San Isidro while the second district is composed of Barangays BF, San Antonio, Don Bosco, Sun Valley, Marcelo Green, Merville, Moonwalk, and San Martin De Porres.



Location: Located at the geographical coordinates of 121°01" longitude (center) and 14°30' latitude (center). Situated on the southern portion of Metro Manila approximately 9.5 kilometers south of Rizal Monument.

Topography: The city is relatively flat and situated along the coastline areas of six (6) barangays namely: Baclaran, Tambo, Don Galo, Sto. Niño, La Huerta and San Dionisio. The other barangays such as Moonwalk, Vitalez, San Isidro, BF, Don Bosco, Marcelo Green, Merville, Sun Valley, San Antonio and San Martin De Porres have an elevation ranging from 10⁰ to 35⁰ above water level.

Soil Type: The soil of Paranaque is classified under Guadalupe soil. It is a volcanic eject that produces a loam to clay loam texture that can hold more water. The soil contains more clay than silt. Its permeability is low with high swelling capacity.

Climate: Parañaque experiences the same climate and weather condition with that of Metro Manila having two (2) distinct seasons: wet season from July to September and dry season for the rest of the year. Parañaque enjoys annual rainfall of 1.822 mm. and 34.4 Celsius temperature, a relative humidity of 76% and three (3) mile/second speed of the southeast wind.

Agricultural

Resources: There are two remaining barangays which involved in vegetables and crop namely: Merville and Moonwalk. The annual production of vegetables which consists of pechay, mustard, and kinchay reached up to 42.288 metric tons.

Municipal fishing is the source of the livelihood for sixty seven (67) fishermen Confined along coastal areas of Manila Bay. In 2005, the average catch of sardines, herrings, anchovies, groupers, crabs, squids reached to 49,924 kilos. The city has a total of 125 hectares of brackish water fishponds, 61.4 hectares are operational with 13 existing operators. It has an annual yield of 52.88 metric tons per year. Species being cultured are milkfish (bangus) and prawns

Land Use: Zoning

The City of Parañaque, through the Sangguniang Bayan passed Ordinance No. 07-027, series of 2007 more commonly known as the Amended Comprehensive Land Use Plan and Zoning of Parañaque. It has adapted this legal tool in implementing its goals and objectives in the all-out support to develop the city.

Under Section 19 of Ordinance 07-027, all land development and building construction/renovation/alteration of residential, commercial, and industrial structures are required to secure the necessary zoning/locational clearance prior to the implementation of the project.

Commercial Areas

Barangay Baclaran remains the principal central business district while the corridors of Ninoy Aquino and Dr. A. Santos Avenues are the sites of the fast growing business and commercial activities. Business and commercial establishments have also sprouted and continue to proliferate inside BF and Doña Soledad Ave. in Better Living Subdivision and within Multinational in Barangay Moonwalk.

Industrial Areas

Industries are concentrated along the South Superhighway beginning from the eastern side of Barangays Merville, Sun Valley, North and Southern part of Marcelo Green and eastern side of San Martin de Porres.

Residential Areas

This constitutes the largest portion of Parañaque and evenly distributed from Barangay Tambo and all throughout the other barangays of the city.

Open Spaces

The remaining largest portion of the marine ponds are located along Ninoy Aquino Avenue from Don Galo to San Dionisio and scattered portions of open spaces within the subdivisions of Barangay Merville, Don Bosco, Marcelo Green, San Dionisio, San Isidro and BF.

DEMOGRAPHIC

Population:

CLASSIFICATION	TOTAL	MALE	FEMALE
Total Projected Population	637,434	311,153	326,281
Children	214,342		
Senior Citizens	37,897	16,303	21,594
Age Structure:			
0-14 years old	177,776	93,999	83,777
15-24 years old	125,737	59,807	65,930
25-54 years old	274,579	130,805	143,774
55-64 years old	36,816	17,373	19,442
65 years and over	22,526	9,196	13,357

As projected for Calendar Year 2013, the population of Parañaque City is 637,434. The city has a young population of 28.9% young-age dependency or 177,776 young dependents (0-14 years old) and 3.5% old-age dependency or 22,526 old dependents (65 years old and over).

Population Distribution:

Among the sixteen (16) Barangays of Parañaque, the largest in terms of population size is Barangay BF with a projected population of 90,459, second is Barangay San Isidro, with 74,823 people and third, Barangay San Dionisio with 66,061 residents as shown in the table below.

**Projected Population and Household Distribution
City of Parañaque, CY 2013**

Data from Ultimate Disaster Preparedness, CPDCO

Barangay	Population	No. of Households
Baclaran	23,120	7,325
Tambo	28,406	6,817
Don Galo	11,735	2,267
La Huerta	9,525	1,845
Sto. Niño	30,602	7,532
Vitalez	4,897	1,139
San Dionisio	66,061	15,640
San Isidro	74,823	16,831
San Antonio	64,865	14,831
BF	90,459	21,162
Sun Valley	40,737	9,693
Marcelo Green	31,184	8,232
Don Bosco	51,614	11,500
Merville	22,101	4,269
San Martin De Porres	22,693	6,907
Moonwalk	64,612	12,935
Total	637,434	148,925

Birth and Death Rate:

In 2009, the crude birth rate was 14.04./1,000 population and the crude death rate was 3.53/1000 population.

Majority of the leading causes of morbidity remains to be communicable diseases such as: Acute Upper Respiratory, Bronchitis, Dermatitis, Intestinal Parasitism, Diarrheal Diseases, Pneumonia and Pulmonary Tuberculosis.

SOCIAL

A. Health Resources

There are sixteen (16) health centers and four (4) barangay health stations. The three (3) health stations are located in Barangay BF, namely: Masville, Sampaloc and J.Estrada and the other one (1) health station is located at Silverio Comp., Barangay San Isidro. Three public lying-in clinics are located in Barangays Baclaran, Tambo and San Martin de Porres. The city's public hospital is located at Barangay La Huerta which is commonly known to Paranaqueños as Parañaque Community Hospital (PCH) now

known as the Florencio V. Bernabe, Sr. Memorial Hospital with 50-bed capacity. Seven (7) private hospitals are also located within Parañaque.

B. Education

Formal education is being served by both public and private schools. There are twenty one (21) public elementary schools in Parañaque, and several private schools situated in the different barangays.

Secondary education is delivered by several private schools and three (3) public high schools with six (6) annexes.

Tertiary education is being served by fourteen (14) private schools and one (1) public college, the Paranaque City College of Science and Technology.

D. Waterworks

Much of the water supply comes from Maynilad Water Service Inc. (MWSI) whereas quite a number use pumps and artesian wells are constructed especially those in the depressed areas. Water supply is no longer the major problem of the residents for the City Government has done everything to provide potable and adequate water supply. It has constructed sixty-nine (69) pumps and artesian wells in the different blighted areas of the city.

On the other hand, the availability of water in District I and II are provided by the MWSI and some portion comes from deep wells. At present, the main source of water is far up north (Bulacan). Parañaque is approximately 27 kilometers from existing Balara Treatment Plant and 32 kilometers from La Mesa Dam.

SECURITY AND DEFENSE

A. Police Protection

The Parañaque police have eight (8) Community Precincts with a total strength of three hundred and fifty nine (359) policemen. This translates to a ratio of one (1) policeman for every one thousand nine hundred and ninety (1,990) inhabitants (1:1,990). With the present strength of 359, there would be approximately 3.8 policemen (divided into 2 shifts) for every square kilometer of land area.

B. Fire Protection

The Parañaque Fire Station has five (5) substations, including Central Fire Station with a total strength of sixty three (63) personnel.

The Fire Department is not only responsible for the prevention of all destructive fires and for the enforcement of the Fire Code of the Philippines. It also conducts seminars, lecture, fire drills to all commercial and industrial buildings, schools, hospitals and barangays. The department conducts barangay competition on fire drills every year to develop their skills in fire fighting techniques.

C. Power Supply

Meralco supplies the power needs of Parañaque. Power service is distributed to the following types of consumers: residential, commercial, and industrial purposes.

D. Telecommunications

The existing telecommunication network of Parañaque is being served by PLDT and SMART but, PLDT covers the largest cross section of the sixteen (16) barangays.

All of the telecommunications companies that are offering cellular services are also operating in the city, with the majority having cell sites here in Paranaque.

Three (3) telegraph companies serves Parañaque namely: Philippine Telegraph and Telephone Company (PT & T); the Radio Communication of the Philippines, Inc. (RCPI) and the Phil. Communication (PhilCom).

The Parañaque Central Post Office and an annex in the City Hall serve the postal system.

B. RATIONALE

The City Disaster Risk Reduction and Management Council (CDDRMC) embarked on the formulation of this Contingency Plan to explore the impacts and prepare for the eventuality of a flood in our locality. It is the aim of this contingency plan to solidify and organize relationships and coordination mechanisms among members of the Disaster Management domain.

This Plan summarizes the city's alerting systems and organizational framework for responding to such disasters. Managerial and tactical actions, functions and responsibilities of city departments and other agencies described so that floods may be mitigated, reduced and responded to with the goal of quickly and efficiently restoring normal quality of life.

This contingency plan is intended for the sole beneficiary of the city's citizens. This plan is also intended for the Local Government Units down to the local communities, Non-Government Organizations (NGOs), Civil Society Organizations (CSO), Volunteer Organizations

(VO), other instrumentalities and other agencies to assist and participate during worst case flooding.

C. CONTINGENCY PLAN FORMULATION AND APPROVAL

This Contingency Plan for Flood was initially formulated during the AusAID-UNDP READY for GMMA Project Contingency Planning Workshop on October 8-12, 2012 at One Tagaytay Place, Tagaytay City in partnership with the LGU of Paranaque and OCD-NCR by representatives of the City Disaster Risk Reduction and Management Council of Paranaque

Continuous refinement of its components of the later transpired where in members of the DRRMC and other agencies provided their comments, suggestions, additional information to completion of data and improvement. The first draft was made by the end of December 2012.

The draft Contingency plan was presented to the members of the CDRRMC for review, critique and approval held on February 21, 2014 at Mayor's Conference Room, Parañaque City.

Upon the availability of a more comprehensive hazard and analysis data, the NDRRMC through the Office of the Civil Defense's Enhancing Greater Metro Manila Areas (GMMA) Institutional Capacities for Effective Disaster/Climate Risk Management towards Sustainable Development" or GMMA READY Project", conducted a writeshop to update and enhance the existing Contingency Plans on October 28-31, 2014 at Hotel Kimberly, Tagaytay City.

The plan was tested during Typhoon Ruby (International Name: Hagupit) on December 7-9, 2014 and suggestions, improvements have thereafter been included in this plan.

The enhanced Contingency plan was presented to the CDRRMC members on: _____ for review, approval and endorsement to Sangguniang Panlungsod. Refer to Annex _____ for the CDRRMC Resolution approving and endorsing the Contingency Plan of Paranaque City for Flood to CDC. Thereafter presented to the Sangguniang Panlungsod where it is approved and adapted.

CHAPTER 2: KEY CONSIDERATIONS IN THE FORMULATION OF CONTINGENCY PLAN FOR FLOODING

The City of Parañaque being vulnerable to the effects natural hazards specifically flood is due to its geographical location. Generally, natural disasters in the city are results of severe weather conditions such as exceptionally heavy rain, storm surges, thunderstorms and tropical cyclones. The city's land composition, population size, infrastructure, resources, and other factors contribute to the city's vulnerability. The consequences of any natural disaster and the counter measures required to deal with it will vary according to the circumstances.

A. Hazard Identification and Risk Profiling

TYPHOON AND FLOODS:

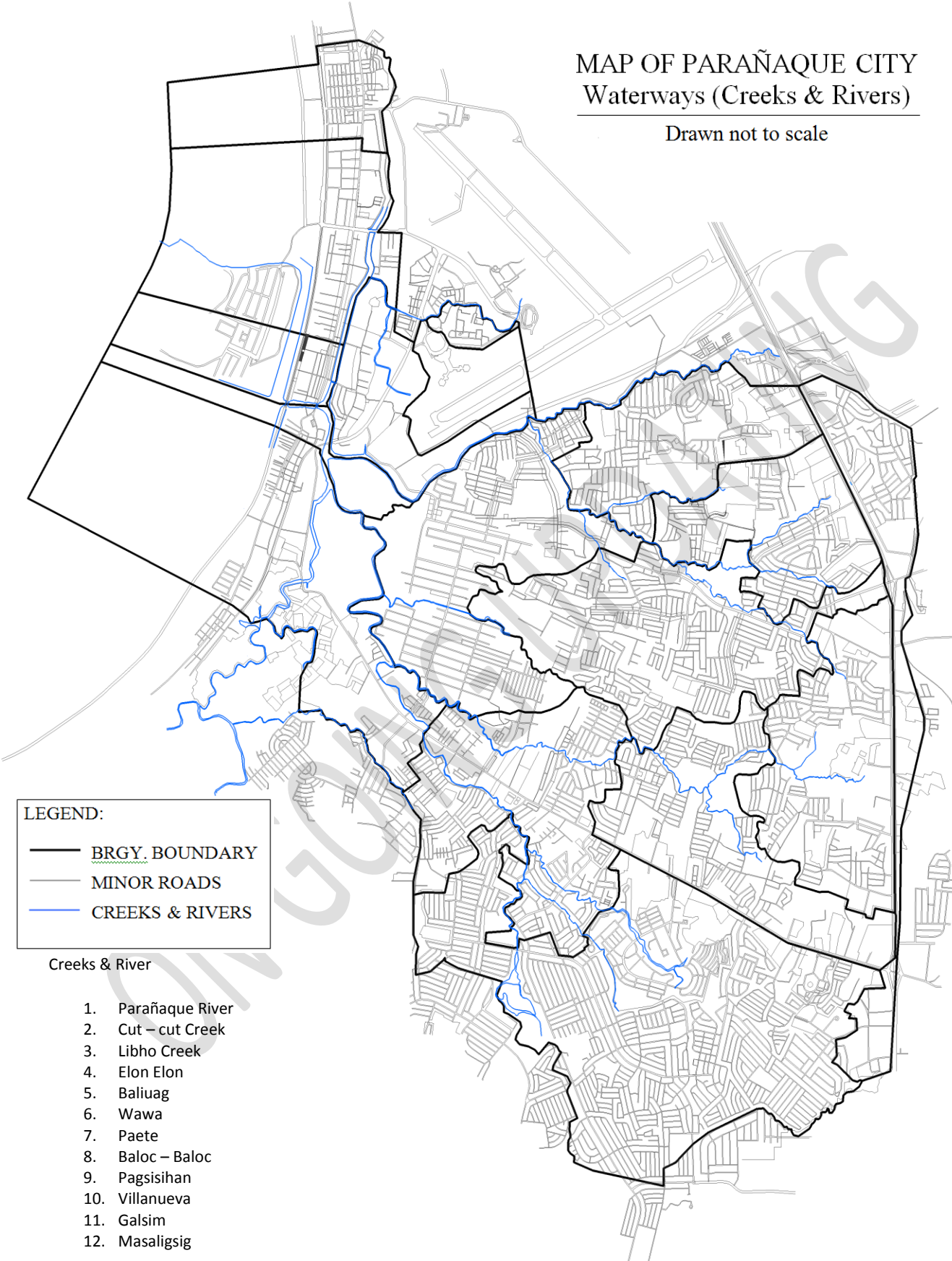
The geographical location of the Philippines has rendered it susceptible to more than twenty (20) storms and typhoons annually. These are expected to strike during the wet season in the months of July to September. It can be inferred that there is a probability that flooding can be an inevitable and residents have to endure damage to property, traffic congestion, work interruption, class suspension, diseases, epidemics and other related cases. It is well to note, however, that flooding within the city generally subsides within a few hours of its occurrence.

PARAÑAQUE CITY WATERWAYS:

Parañaque City is home to a series of waterways stretching over 3,200 meters with an average width of 60 meters where informal settlement families amounting to a total of 1,306 families. To date, the city government has made efforts to relocate these families to safer communities and ensure the easement along these waterways are followed. These waterways are shown in

MAP OF PARAÑAQUE CITY Waterways (Creeks & Rivers)

Drawn not to scale



LEGEND:

- BRGY. BOUNDARY
- MINOR ROADS
- CREEKS & RIVERS

- Creeks & River
1. Parañaque River
 2. Cut – cut Creek
 3. Libho Creek
 4. Elon Elon
 5. Baliuag
 6. Wawa
 7. Paete
 8. Baloc – Baloc
 9. Pagsisihan
 10. Villanueva
 11. Galsim
 12. Masaligsig

FLOOD-PRONE AREAS	
BARANGAY	LOCATION
Baclaran	a portion of F.B. Harrison cor. Aguarra St. (clogged drainage) Bagong Lipunan Site (overflow of creek) Redemptorist Road - Quirino Ave. (clogged drainage)
BF	Clinic Site Concha Cruz President's Ave.
Don Bosco	France St. and Guatemala St. (overflow of creek)
La Huerta	Perpetual
Marcelo Green	Marcelo Green (overflow) Landscape Ilang-ilang (low-lying area) Sampaguita
Merville	Sitio Wella
Moonwalk	Daang Batang (low-lying area) Cecila Village
San Antonio	Equity Homes (Meliton) DASA Cor. Press Drive Fourth Estate (low-lying area) Monte Carlo (Fatima St.) (clogged drainage) San Antonio Valley 3 Maria Susafe SAV I (overflow of creek)
San Dionisio	Evacom vicinity of Parañaque NHS Sitio Kuliglig Villanueva Village D.A.S.A. in front of SM Sucat
San Isidro	San Antonio Valley 6 (low-lying area) Bridge Valley 15 Lopez bridge Sitio Nazareth Papa Pio San Felipe Clarmen, Salvador Estate
Sto Niño	Sitio Kaingin Sitio Libho Isarog Multinational corner Ninoy Aquino Ave.
Sun Valley	Countryside Village Ph. 5 (overflow of creek) Dandelion St. (overflow of creek)
Tambo	Seaside Drive

(Data DRRMP 2011 prepared by CPDCO)

Inventory of Informal Settlement Families

(Data from UMADO, 2015)

Barangay	Area	No. of Families
San Dionisio	Back of SM	32
	Villanueva Village	12
	Christian Muslim	40
	Culiglig Phase 1-B	16
	Ilog Palanyag Neighborhood Assn	43
	Espiritu Compound	30
	Sitio Sto. Nino Kuliglig	43
Baclaran	Bagong Sikat	132
	Santiago Extension	27
	Bagong Lipunan	35
Don Galo	J. Gabriel De Leon	98
	Dorinas Homeowners Assn	102
Sto. Nino	GENA Neighborhood Assn	191
	Bicolano, Wawa	67
	Diamond	42
	SNRW Wawa	46
	Mandaragat, Wawa	44
	Santos Compound	31
San Isidro	Aristocrat	24
	Creekside Homeowners Assn	69
	SALIKAPA	173
	SANAMANA	96
	St. Jude HOA	48
	Purok 5, Silverio Compound	264
	Purok 3, Silverio Compound	178
	Sandiville Creekside	8
	San Juan St.	16
	Baraks Compound St. Catherine	38
	Lovewin UPS V	221
	Lopez Creekside	51
	Hidden Village	37
	Lower Fatima, Olivarez Comp.	187
San Antonio	Bujo St., ST. Jude	58
	Sto. Scholastica	37
	Samahang Magkakapitbahay Sto. Domingo	15
	Creekside Unified Neighborhood Assn	31
	Creek Drive 2 Valley 8	47
	Area 4 Sunrise Creekside II Lopena Cmpd	43
	Action Line NHA	17
	Creek Drive II	124
	Creekdrive I, Valley 8	114
BF Homes	Lagoon Neighborhood Assn	78
	Bagong Samahan ng Magkakapitbahay	82
	Cleveland Bagong Silang	39
	Villonco Neighborhood Assn	10
	Sampaloc Site II (Purok 1, 2, 4 & 5)	75
	Clinic Site	122
Marcelo Green	NAPA Compound	22
	Happy Homes	26
	Creeksville	72

	Everlasting	38
Sun Valley	Sitio Bagong Pag-asa	187
	Zone 6, Sta. Ana	103
	Sone 1, Sta. Ana	36
	Manggahan	50
	Riverside	141
	Zone 5, Sta. Ana	25
	Zone 2, Sta. Ana	12
	Zone 3, Sta. Ana	17
	Zone 4, Sta. Ana	16
	Leviste Property	41
	Ferrari Culdesac	46
	Camachile	392
	Marquez Compound Ferrari	30
Merville	Sitio Barcelona	46
Moonwalk	Scarlet San Isidro Labrador	46
	Sitio Sunrise Phase III	66
	Sitio Bukid Bricktown	42
	Samahang Pagkakaisa Assn., Inc (SAMAPA)	180
	Marcelo Compoundj Philip St.	96
	Kamagong St. Creekside	46
	Area – B Airport Village	18
	Sitio Kenko Riverside	74
	SMGI	36
	Purok 7	20
	Scarlet Ibaba	104
	Sitio Galatia	108
	E. Rodriguez St. Ext.	42
Don Bosco	Sitio Kambingan	69
	Samahan Taga Kubo sa Denmark	14
	Bernardo Square Annex	100
	Everlasting St. Creekside Camelia Dulo	4
	Serrano Compund Indonesia	24

RECENT FLOODING EVENTS IN PARANAQUE CITY

HABAGAT 2012

South West Monsoon: Massive widespread flooding occurred in Metro Manila from August 6 – 8, 2012 and locally affected families residing in creeks and coastal areas of Barangays San Dionisio, La Huerta, Tambo and Moonwalk and residents in low lying areas in the city. PAGASA rated the rainfall as heavy to intense (10.0 to 30.0mm/hr rainfall) coinciding with the high tide has caused massive flooding in the city.

The flooding has caused an immense traffic jam along Dr. A. Santos Ave. and stranded commuters en route to their homes. A total of 10,046 families affected and 327 families or 1,285 individuals were evacuated from their homes. 147 health cases for children under the age of five and 284 health cases over the age of five (5) were reported which include coughs and colds, fever, wounds difficulty of breathing and skin

diseases. One (1) casualty was reported due to electrocution along a flooded area. An estimated P43,046,390.00 million pesos is the cost of damage and initiated the LDRRMC to declare a State of Calamity.

Reported Evacuees as of August 8, 2012, 5:30, AM

Barangay	Evacuation Center	Number of Families	Number of Persons
Sto. Niño	Sto. Nino E/S		10
La Huerta	La Huerta E/S	120	530
San Dionisio	San Dionisio Gym	98	300
Moonwalk	Col. E. D School	71	301
Tambo	Tambo E/S-Main	38	144
TOTAL		327 Families	1,285 Individuals

Source: SOCO

RELIEF DISTRIBUTION TO FAMILIES AFFECTED

District I	Barangay	No. of Families	No. of Individuals
1	Baclaran	250	1,250
2	Tambo	1,500	7,500
3	San Dionisio	1,500	7,500
4	La Huerta	270	1,350
5	Sto. Niño	1,600	8,000
6	San isidro	1,616	8,080
7	Don Galo	200	1,000
8	Vitalez	350	1,750
TOTAL		7,286	36,430

District 2	Barangay	No. of Families	No. of Individuals
	San Antonio	800	4,000
	Marcelo		
	Green	460	2,300
	Moonwalk	1,500	7,500
TOTAL		2,760	13,800

GRAND TOTAL	10,046	50,230
--------------------	---------------	---------------

Source: CSWD

Table5. Reported Health Events as of August 9, 2012 by City Health Office

Totals for City Of Paranaque				
Disease	Under 5 Case	Under 5 Death	Over 5 Case	Over 5 Death
Difficulty in breathing and wheezing	0	0	4	0
Visible wasting, with or without bilateral pitting edema	1	0	0	0
Cough, colds or sore throat with or without fever	96	0	193	0
Loose stools, 3 or more in the past 24 hrs with or without dehydration	8	0	1	0
Eye itchiness, redness with or without discharge	2	0	7	0
Fever	18	0	13	0
Fever with other symptoms not listed above	0	0	1	0
High blood pressure ($\geq 140/90$)	0	0	4	0
Skin disease	12	0	35	0
Open Wounds and Bruises	10	0	26	0

Source: CHO



Waist to Chest Deep Flood water along Dr. A. Santos Ave.



Waist Deep flood in Salvador Estate along Dr. A. Santos Ave. (Sucat Rd.)



Chest Deep Flood and raging waters of an overflowed creek in UPS 5.



Tabon – Lambingan Bridge destroyed due to raging flood water

MARING AND HABAGAT, 2013

The South West Monsoon intensified Tropical Storm “Maring” on August 18, 2013 once again caused massive flooding in the city. Coinciding with the high tide, flood depth ranged from waist level to 1-storey deep (reported in barangays San Antonio and Sto. Nino) flood waters where a total of 2,293 families were affected and evacuated from their homes. No significant cases of illnesses or injuries were reported by the City Health Office although 3 casualties were recorded, a 17-year-old male that drown and two male individuals allegedly from Carbon Monoxide Poisoning in a vehicle while waiting for the flood to subside. Parañaque is one of the few Metro Manila LGUs greatly affected in this incident. The destruction of residential and commercial establishments specifically along Dr. A. Santos Avenue has resulted in the LDRRMC declaring a State of Calamity.

EVACUATED FAMILIES as of 20 1600 August 2013 (CSWDO/SOCO)		
<u>Barangay</u>	<u>Evacuation Center</u>	<u>Evacuated Families</u>
Baclaran	Baclaran High School (Unit 1 and 2)	500 families
BF		
Don Bosco	Don Bosco Basketball Court	30 families
Don Galo	None	
La Huerta	La Huerta Elementary School	375 families
	PNHS (La Huerta Annex)	150 families
Marcelo Green	Severina Gym	40 Individuals
	Mr. Alvarez’s House	30 Individuals
Merville	Bellvidere Gym	200 families
Moonwalk	Golezeum	198 (DRRMO)/170 families,
	E. De Leon	626 persons (SOCO)
San Antonio	San Antonio Gym	65 families
San Dionisio	San Dionisio Gym	500 families
	Chapel- lower brgy	35 families
San Isidro	Barangay Hall	3
San Martin		
Sun Valley	Sun Valley National HS	500 heads
Sto. Nino	Sto. Nino Elem. School	24 families
Tambo	Tambo Main Elem. School	75 families
	Perpetual Homeowners Assoc. , Sitio Libjo	11 families
Vitalez	Vitalez Gym	41 families



Waist to chest deep waters along the stretch of Dr. A. Santos Ave. Brgy. San Dionisio



Waist to chest deep waters along the stretch of Dr. A. Santos Ave. Brgy. San Dionisio



Tabon-Lambingan Bridge destroyed due to raging water along the waterway



Concrete barrier destroyed as flood waters traverse this area

ROOT CAUSES, EARLY WARNING & TRIGGERING FACTORS OF FLOOD

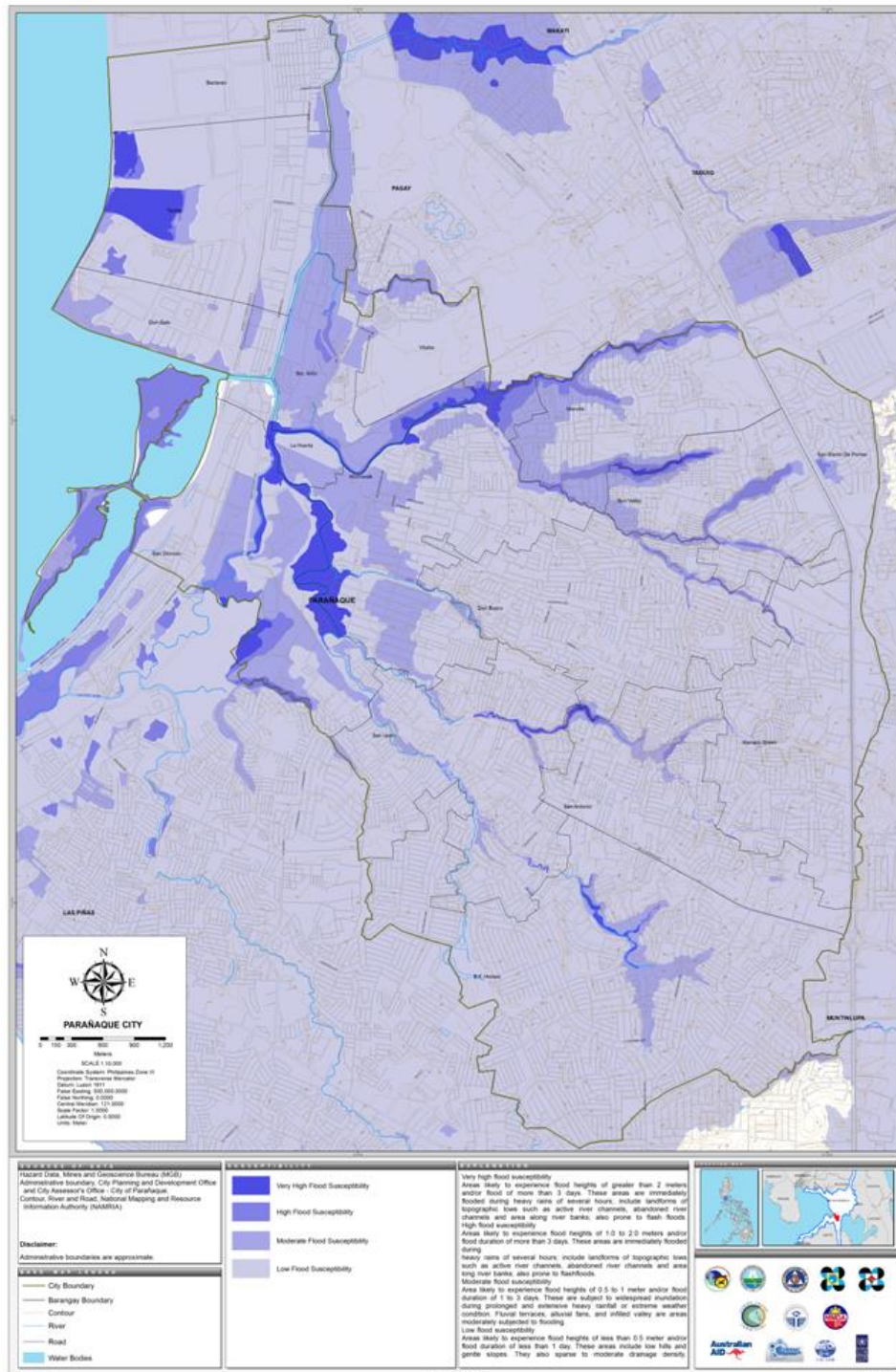
Hazards/ Disasters	Root Causes	Early Warning	Triggering/Contributory Factors
Floods	<p>-geographical location of the Philippines (Typhoon Belt)</p> <p>Occurrence of storms and typhoons: more than 15 times a year</p> <p>Wet season: July to September</p>	<p>-reports, data, and information from PAG-ASA. Rainfall & Thunderstorm Warning from PAG-ASA</p> <p>Monitoring of community based early warning systems</p> <p>expectancy: July to September</p>	<p>improper waste disposal</p> <p>clogged drainage</p> <p>low lying areas</p> <p>River and tributary system Traversing the city</p> <p>occurrence of high tide along with heavy rainfall</p> <p>encroachment of river and tributary systems</p>

Source: CPDCO

SCENARIO BUILDING

The adapted Worst Case scenario have been from recently documented flooding events in the city. With the availability of Hazards and Vulnerability maps, these have been likewise considered in the worst case scenario. This shall be the basis for the activation of this contingency plan.

READY FOR GMMMA PROJECT : PRELIMINARY FLOOD HAZARD MAP OF PARAÑAQUE CITY



Using the flood hazard map, an assessment of vulnerable elements was made to generate the exposure database:

A typhoon intensifies the Southwest Monsoon bringing about huge rainfall amount within a few hours of continuous heavy torrential rains. Below are the affected elements:

Barangays Affected:

Brgy. Baclaran	(1306)	Brgy. La Huerta
Brgy. Tambo		Brgy. San Dionisio
Brgy. Don Galo		Brgy. Sto. Nino

No. of Brgys/Population Affected : 16 Brgys. / Pop:620,525
6 Brgys / Pop: 171,309

No. of Public Bldgs:

Schools	: 17 Public / 26 Private
C/M/B/Halls	: 6 Brgy. Halls
Health Centers	: 6 Health Centers
Hospitals	: 1 Public Hospitals, 4 Private Hospitals
Others	: Lying in (Public) – 6 Lying in (Private) – 6 Airport – (NAIA) PAGCOR Bldg. Malls Entertainment City (on-going construction)

Infrastructure Affected: Bridges / Roads

	6 Bridges / 100% Roads
Overpass	: 7 Overpass
Facilities Affected	
Powerlines	: 100% (MERALCO)
Waterlines	: 100%(MWSS, MAYNILAD)
Communication	: 100%
Livelihood Affected	: 1 Fisherman's Wharf

Response Capabilities: DRRMC at 75%

B. PLANNING ASSUMPTIONS

ALERT LEVEL FOR ACTIVATION OF CONTINGENCY PLAN

The Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) under the Department of Science and Technology (DOST) monitors atmospheric and meteorological activity such as tropical cyclones and issues warnings if it falls in the Philippine Area of Responsibility indicating where and when the events will occur, how long it will last and what possible consequences are expected. Messages will also be issued giving general advice on precautions to be taken to minimize the loss of life and damage to property, followed by supplementary information and advice as the situation develops. This is further explained in the annex.

The DRRMO constantly monitors and receives information from PAGASA upon issuances of warnings and weather bulletins and thereafter activate the appropriate alert system described within this plan

The Communications Sector will handle public enquiries. The CIO will deal with the media generally. The Security Sector will handle operational matters such as traffic accidents, traffic congestion, road diversion and road closures. The Search and Rescue, Health/Medical and Evacuation will handle response operations.

Members of the DRRMC will maintain close contact with the DRRMO for updates on meteorological conditions and prevailing effects if any. The DRRMC members through the DRRMO should fully and proactively keep each other informed. This will enable all parties to respond quickly and effectively in a coordinated manner. It will also enable concerned parties to collate all available information, monitor the situation as it develops, identify problems and ensure that departments receive any support necessary

DRRMC CODE ALERT SYSTEM

The Code Alert system is a designed scheme for organizing personnel and equipment in the assumption that any emergency or disaster may arise or worsen.

DECLARATION: In the event of any incident with a threat or occurrence of an emergency or disaster, the Code Alert is declared and/or raised by the DRRM Officer.

LIFTING: When threat is no longer present, or when no significant incident is monitored and the hazard or condition (typhoon, mass gathering, bombing etc.) is finished and/or contained, the Code Alert will be lowered or suspended by the DRRM Officer.

DISSEMINATION OF ALERT CODE: Once Code Alert has been raised, it must be properly disseminated to DRRMC members. The DRRMO shall have developed a scheme for dissemination.

Once this code is raised DRRMC and DRRMO should adhere to the course of action indicated in each code alert unless otherwise advised. The alert shall continue to be in effect until lifted. There should likewise be preparation of the necessary equipment, tools and supplies that may be utilized.

If there is a strong possibility that a need to change from code white to blue or red, DRRMC members/department heads is authorized to:

- Cancel all leaves of personnel and for them to report to their offices

- Put back-up teams on standby within the vicinity for rapid deployment
- Take necessary steps to respond to emergency/disaster situation

CODE ALERT DESCRIPTION AND CORRESPONDING ACTION

CODE WHITE

1. Conditions for Adopting Code White

- Forecast Typhoon (Signal No. 1) or Heavy Rainfall
- Possibility of military operation
- Any planned mass action or mass gathering within the area with large number of participants
- National or local elections
- National holidays or celebration
- Other conditions with potential to be declared as emergencies or disasters
- Any emergency with potential 10-50 casualties (death, injuries)
- Notification of reliable information of terrorist attack/activities
- Any other hazard that may result in emergency
- Unconfirmed report of re-emerging diseases.

2. Course of Action

- DRRMC/operational units of the DRRMC will be convened as deemed necessary.
- Operational Departments should take precautionary measures to prepare for activation of response.
- Maintain close communication with the EOC for updates
- When advised, the on-duty response personnel shall be on standby on site or in constant monitor of the events until code is suspended.
- When this code is declared, all off-duty/on-call/back-up response personnel near the vicinity shall be on alert, ready to be called upon and deployed if deemed necessary.
- All response personnel should adhere to alert operational procedures prescribed by their department
- Make sure all personal equipment and supply are adequate for operations.

CODE BLUE

1. Conditions for Adopting Code Blue

- Any of the conditions identified during Code White deemed necessary to upgrade alert code.
- Signal No. 2 typhoon
- Less than 50% of the community in the area are affected or damaged.

2. Course of Action

- DRRMC/operational units will be convened as soon as code blue is raised.
- Operational Departments shall maintain communication and prepare necessary reports and submit to the EOC
- DRRMO monitor and oversee operations and prepare necessary reports to the Local and Regional agencies concerned.
- When advised, the on-duty response personnel shall be on standby on site or in constant monitor of the events until code is suspended.
- All on-call/back-up personnel shall report to designated appointments as prescribed in their department/agencies' standard operating response procedures or department head.
- Make sure all personal equipment and supply are adequate for operations

CODE RED

1. Conditions for Adopting Code Red

- Any of the conditions identified during Code Blue deemed necessary to upgrade alert code.
- Declaration of disaster in the affected area.
- Threat of terrorism
- 100 or more casualties in one area.
- 50% or higher of the community is affected or damaged
- Local personnel in the area not capable of handling entire operation
- If Mobilization of the DRRMC is needed
- Mobilization of operations related offices in the LGU
- Uncontrolled human-to-human transmission of diseases

2. Course of Action

- ***This Contingency Plan shall be activated***
- DRRMC members will be convened as soon as code red is raised.
- Operational Departments shall maintain communication and prepare necessary reports and submit to the EOC
- DRRMO monitor and oversee operations and prepare necessary reports to the Local and Regional agencies concerned.
- When advised, All response personnel shall be on standby on site or designated staging areas

- All response personnel shall adhere to their prescribed department/agencies' standard operating response procedures or disaster response procedures.
- Make sure all personal equipment and supply are adequate for operations

OPERATIONAL RESPONSE PLAN TO EMERGENCIES AND DISASTERS

Hours 0 – 2 Immediate Response:

- Conduct RDANA
- Contact key agencies/departments concerned
- Establish Incident Command System
- Develop immediate response objectives and establish an action plan
- Sector Lead to establish communication and maintain close coordination with the Emergency Operations Center (EOC)
- Assign and deploy resources and assets to achieve established response objectives
- Document all response activities

Hours 2-12 Intermediate Response

- Verify RDANA
- Ensure provision for facilities, equipment and supply necessary for response
- Provision of basic needs of affected areas as well as special populations (i.e. children, disabled, elderly, etc.)
- Manage resources (i.e. donations, volunteers, etc.) for proper allocation
- Maintain constant communication with EOC for updates and actions taken
- Collect and analyze data provided by operational departments/agencies.
- Continuous assessment of damage and needs of incident

Hours 12 – 24 Extended Response

- Prepare for transition to extended operations or response demobilization
- Address environmental risks
- Continuous provision of basic services to affected population
- Continuous monitoring and data collection

DRRM MITIGATION MEASURES

As the constant threat of disastrous impacts of typhoon and flooding impede, Paranaque City through the CDRRMC constantly strives to mitigate these impacts through structural and non-structural initiatives:

STRUCTURAL	NON-STRUCTURAL
Dredging and Riprapping of waterways	Establishment of the DRRMO
Declogging/Reconstruction of Drainage Systems	Functional/Operational DRRMC
Establishment of an Operations Center and DRRM Office	Trainings/Seminars on DRRM and Emergency Response for Barangays, Private & Public Institutions
Relocation of Informal Settler Families along waterways	Creation and implementation of law/ordinances related to DRRM
Establishment of weather monitoring systems	Implementation of Waste Management Laws/Ordinances
Construction of the Diversion Creek	Mainstreaming of DRRM into the City Development and Land Use Plan

ON GOING UPDATING

CHAPTER 3: General Policies and Objectives

Paranaque City shall be guided by the following underlying principles and policies:

- **SELF-RELIANCE** – The plan shall promote and encourage the spirit of self-help and mutual assistance among the agencies and departments of the local government, its officials, and their constituents
- **UTILIZATION OF RESOURCES** – As a corollary to the preceding principle, the Plan shall ensure the proper utilization by the political and administrative subdivisions of the city, of all available resources in the area before resorting to any request for assistance from other entities or higher authorities
- **RESPONSIBILITY** – the Plan shall devolve primary responsibility to the government agencies in meeting the needs and in providing relief to affected areas, in coordination with the people themselves
- **LEADERSHIP** – The Plan shall require government departments, bureaus, agencies and instrumentalities to provide documented plans of their emergency functions, responsibilities and duties
- **SUPPORT AND ASSISTANCE** – The national government shall support the activities and operations of the local government in the realization of the objectives sought by the plan, and shall give assistance to the latter whenever it deems necessary
- **ORGANIZATION** – The Plan shall promote an organized system of councils, sectors and teams for the proper implementation of this plan
- **STUDY** – The Plan intends concerned agencies to conduct theoretical and actual studies regarding measures for the avoidance and mitigation of the effects brought by disasters and calamities
- **COORDINATION** – The Plan shall give rise to open inter-agency links between and among the different offices and agencies of the local government to ensure the free flow of information and data necessary in coping up with disaster and calamity situations and developments
- **ADEQUATE RELIEF** – Concerned agencies shall provide immediate and adequate relief and rehabilitation to disaster victims
- **MAINTENANCE** – It shall be a duty of the local government to maintain the availability of resources and ensure its proper condition.
- **PREPAREDNESS** – The plan promotes the dissemination of information means to create and conduct preparatory measures in mitigating the effects of disasters and calamities

It shall therefore be the course of action of the City Disaster Risk Reduction and Management Council (CDRRMC) to formulate this plan for the creation, improvement and implementation of Standard Operating Procedures for resource allocation and utilization; coordination among council members and other partners; establishment of Command and Control for efficient and effectual response operations during emergencies or disasters.

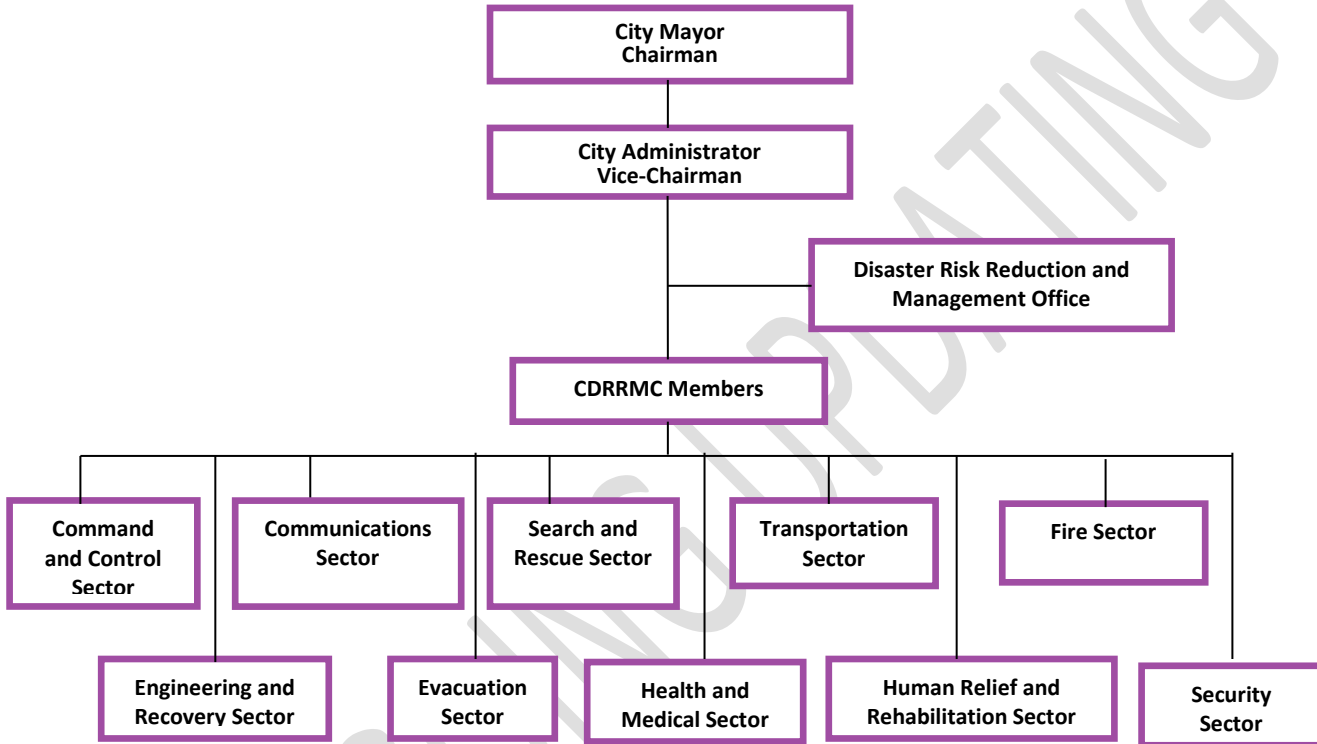
It is the objective of this plan to:

1. Create a plan that is feasible to conduct with the help of testing and updating
2. Efficiently mobilize resources and devise courses of action during disaster response Generate commitment and cooperation among stakeholders and entities involved to act during disasters
3. Lessen the vulnerability of the city and its constituents from the impact of flood hazards through the implementation and formulation of this plan
4. Adapt and integrate national and local norms and standards such as the Incident Command System to ensure efficient management of resources.
5. Implement timely and efficient response mechanisms thereby saving lives and minimizing damage to property.
6. Ensure smooth and effective coordination and partnership among the City Government, BDRRM Committees, government and non-government agencies, civil society organizations and the private sector.

CHAPTER 4: SECTORAL ARRANGEMENT AND PLANS

ORGANIZATIONAL ARRANGEMENTS

DRRMC Organization



DRRMO Organization



SECTOR LEAD DIRECTORY

SECTOR	LEAD	SUPPORT	NATIONAL	INTERNATIONAL
COMMAND, CONTROL AND COMMUNICATIONS SECTOR	CDRRMC through the DRRMO	All members of the CDRRMC, NGOs, CSOs, VOs and others that may be involved during response operations	MMDRRMC/ NDRRMC	International ICS Community
HEALTH/MEDICAL SECTOR	CHO	DRRMO, LNB, CSO, VO	DOH, NDRRMC, PRC	INGOs, WHO
TRANSPORTATION SECTOR	GSO	CPDCO, DRRMO, NGOs, CSO, CEO	DPWH, AFP, PNP, PCG, PN, BFP, MMDA	INGOs
SEARCH AND RESCUE SECTOR	DRRMO	LNB, CHO, PNP, BFP, NGO, CSO, SAR Groups	OCD, MMDA, AFP, PNP, BFP, PN, SAR groups	INGOs, UN
SAFETY AND SECURITY SECTOR	LOCAL PNP	TMO, BPATS, CSU, LNB. Uniformed personnel	PNP, AFP	
FIRE SECTOR	LOCAL BFP	TMO, PNP, OPVC, DRRMO, NGOs, 16 Barangay Fire Brigades	BFP, Volunteer Fire Groups	
ENGINEERING RECOVERY AND REHABILITATION SECTOR	CITY ENGINEERING	CPDCO, CENRO, LHB, OBO, DPWH, MMDA, NGOs, VO, CSOs, Private Sector	DPWH	INGOs, UN
EVACUATION HUMAN RELIEF AND REHABILITATION SECTOR	CITY ENGINEERING CSWD	GSO, CSWD CHO, DepEd, DRRMO, LNB, CPDCO, CEO, CSO, VO	DSWD, DOH, PRC, NDRRMC	INGOs

SECTOR LEAD DIRECTORY

SECTOR	SECTOR LEAD	HEAD/CHIEF OF OFFICE	CONTACT NOS
COMMAND, CONTROL AND COMMUNICATIONS SECTOR	CDRRMC through the DRRMO	DR. TEODORO B. GONZALEZ JR.	664-4428
HEALTH/MEDICAL SECTOR	CHO	DR. OLGA Z. VIRTUSIO	826-8451
TRANSPORTATION SECTOR	GSO	ELISA S. POJANES	826-8233, 829-6611, 825-7168
SEARCH AND RESCUE SECTOR	DRRMO	DR. TEODORO B. GONZALEZ JR.	664-4428
SAFETY AND SECURITY SECTOR	LOCAL PNP	P/SSUPT. ARIEL L. ANDRADE	826-8121, 826-2877, 808-9559
FIRE SECTOR	LOCAL BFP	F/SUPT. RENATO CAPUZ	826-9131, 826-3176, 829-2076
ENGINEERING RECOVERY AND REHABILITATION SECTOR	BUILDING OFFICIAL	ARC. ELMOR V. VITA	829-0965, 541-5190
EVACUATION SECTOR	CITY ENGINEERING	ENGR. ASER S. MALLARI	826-8272, 487-8596/97, 829-3077
HUMAN RELIEF AND REHABILITATION SECTOR	CSWD	IMELDA C. VILLARUEL	829-3324

SECTORAL OBJECTIVES, RESPONSE OPERATIONS AND GAP IDENTIFICATION

COMMAND CONTROL AND COMMUNICATIONS SECTOR

A. SCENARIO

Up to 4 meters of water level in some areas, heavy traffic jam, utility and power lines disrupted	
Affected Population with Inundated Homes	6,747 families or 33,736 individuals
Injuries/Illness	300
Fatalities	10
Housing, Property and Livelihood damage	100% in 6 identified areas
There is a need to establish command and control to ensure immediate response operations and communication lines may be disrupted	

B. OBJECTIVES:

- To establish, oversee and orchestrate an effective and efficient overall response mechanism during emergencies and disasters.
- To ensure that all forms of communication systems are adequate, reliable and available for efficient flow of coordination among involved entities of this plan at all times

C. LEAD AGENCY: CDRRMO

D. SUPPORT AGENCY: ALL MEMBERS OF THE CDRRMC

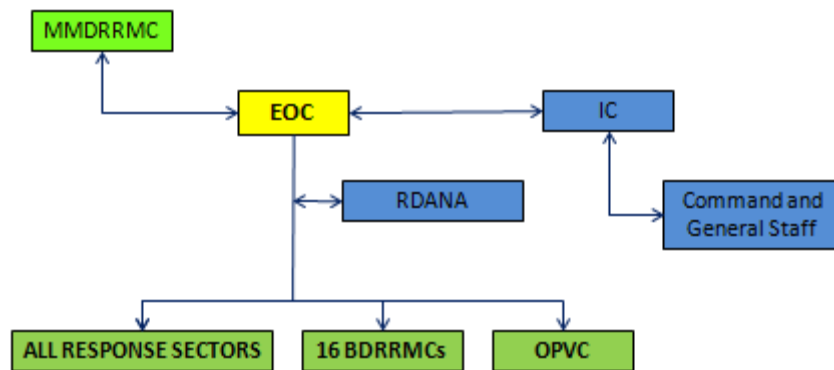
E. TASKS

COMMAND AND CONTROL	
LDRRMC MEMBERS	Shall be responsible for the systematic, efficient and coordinated response mechanism
DRRMO, CPDCO	Shall form an Incident Management Team that will oversee ground operations, determine operational needs and appropriately allocate available resources
CTO, CBO	shall be responsible for the allocation of funds and resources necessary for operations
MAYORS, MMDA, DRRMO	Responsible for the coordination among LGUs and other agencies for assistance
DRRMO, CPDCO	Oversee the entire operations from threat of occurrence to its duration and subsequent termination through the implementation of ICS
DRRMO, GSO, CPDCO	Ensure acquisition or procurement of resources as necessary
GSO, SOCO, OPVC	Ensure availability and functionality of communications equipment
COMMUNICATIONS	
SOCO, CEO, DRRMO, MMDA, OPVC	Shall be responsible in providing an open and secured communications link between and among agencies, offices and divisions concerned

SOCO, CEO, DRRMO	Provide for the maintenance and availability of communications equipment to the command and operational units
SOCO, CEO, DRRMO	Provide updated information regarding the condition of disaster/calamity affected areas
LNB, CSWD, CHO, DRRMO, CBO, CEO CENRO/SWAESO	Provide updates on the effects of flooding and other hazards related to the incident for the residents to undertake necessary measures to avoid loss of life and injury
PIO	Provide information to the public and media regarding the event status

F. STANDARD OPERATING PROCEDURES

COORDINATION ACTION



Command and Control:

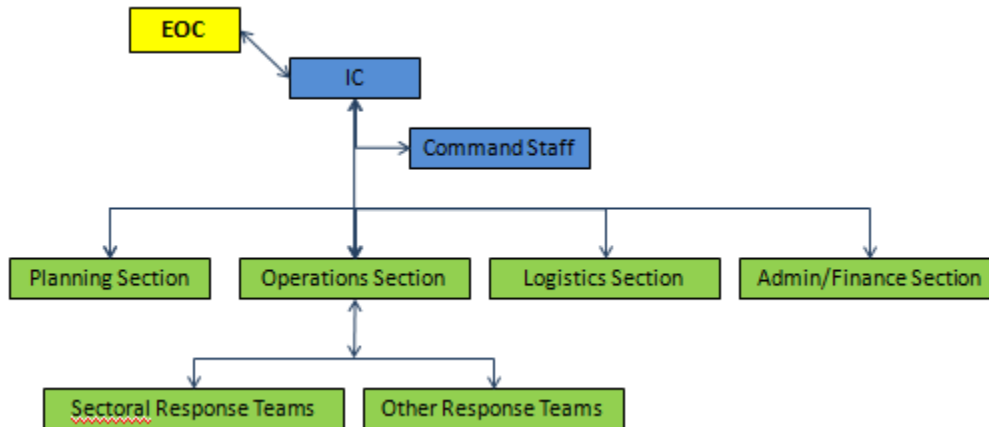
- Establish EOC at the Paranaque City Hall
- The EOC Duty Officer shall act as Initial Incident Commander. Initial Incident Commander shall immediately coordinate with the CDRRMO. The CDRRMO to report and update the LCE and Administrator. Contact other staff of the DRRMO to report to the EOC.
- Subsequent coordination with the following by the Initial Incident Commander/CDRRMO:
 - Members of the LDRRMC, DRRM Focal Persons of the 16 Barangays, OPVC members
 - MMDRRMC, OCD-NCR
- The Chairman of the LDRRMC/City Admin/CDRRMO shall convene the members of the LDRRMC for an emergency meeting to assess the potential/initial damage and revisit/affirm plans of action of the different sectors:
 - The Mayor shall designate the CDRRMO as Incident Commander. In the absence of the CDRRMO, the deputized CDRRM Officer who is also knowledgeable and competent with the Incident Command System.
 - Declaration of State of Calamity/Issuance of Resolution by the Sangguniang Panlungsod
 - Suspension of Classes and Offices

- Initial Damage Assessment
- Manpower, Equipment and Supplies Inventory
- Operational Objectives defined
- Manpower, equipment, supplies and other logistics are prepared for utilization

Communication and Warning

- EOC to coordinate with the BDRRMC for the following:
 - BDRRMC to monitor water/flood levels
 - BDRRMC to conduct public information regarding safety precaution measures.
 - Guide affected population to identified/assigned evacuation centers
 - Regularly update the EOC on the status of their AOR.

RESPONSE ACTION



Command and Control

- The IC shall designate the command and general staff and establish the Incident Command Post (ICP) **with the suggested lay-out:**
- A Rapid Damage and Needs Analysis (RDANA) team is deployed by the IC to assess impacts of the incident.
- Response Teams from the different sectors such as Evacuation, Human Relief and Rehabilitation, Health/Medical, Transportation, Engineering and Recovery, Fire, Security and Safety and Search and Rescue are to check-in with the ICP.
- Other Response Teams such as Search and Rescue, Fire, Emergency Medical Services, Security and Safety and other instrumentalities are to check-in with the ICP to be accounted for appropriate deployment instructions to the impacted area
- At the incident area, deployed teams are to implement sector plans and update with EOC/IC on operations progress and resource needs.
- Continuous coordination and situational updates to MDRRMC South Sub-OpCen

- Incident Command System will be in place until such time the situation is stable and demobilization and termination of response operations is declared by the IC.

Communications

Continuous coordination with BDRRMCs and SIRAC for situational updates and
Provide continuous advisories to BDRRMCs and SIRAC for information dissemination
Continuous coordination with BDRRMC for the transport of affected population to
evacuation camps

ON GOING UPDATING

GAPS AND NEEDS IDENTIFICATION: COMMAND, CONTROL AND COMMUNICATIONS SECTOR

Item	Population Affected/ Areas of Concern	Standard	Existing Resources	Projected Needs	GAP (PN-ER)	Activity to Meet the Gap	Cost	Source
				3 Days				
MANPOWER								
EOC Personnel	EOC	5:shift x 3 shifts/day = 15/day	15	15	0	Activation of Red Code (personnel reporting to EOC)		LDRRMO, CPDCO
Incident Management Team	ICP	15	5	30	25	Conduct Training on ICS		LDRRMF
EQUIPMENT/SUPPLIES								
a. Command Tent/Center	ICP	3	3	3	0			
b. base radio		2 sets	2 sets	2 sets	0			
c. mobile repeater		1set	0	1set	1	Acquisition	500,000.00	LDRRMF
d. handheld radios		15pcs	15 pcs	15pcs	15	Acquisition	90,000.00	LDRRMF
e. megaphone		5pcs	10 pcs	5pcs	0			
f. laptop/desktop		5sets	5sets	5sets	0			LDRRMO, CPDCO
g. satellite phone		3sets	None	3sets x 50,000/pc	3	Acquisition	150,000.00	LDRRMF
h. genset		5sets	10 pcs	5sets	5			
i. battery source		10pcs	None	10pcs	0			
j. transistor radio		5pcs	None	5pcs	5			
k. extension cords		10pcs	None	10pcs x 500.00/pc	10	Acquisition	5,000.00	LDRRMF
l. office supplies		1lot assorted	Available	1lot assorted	0			LDRRMO, CPDCO
TRANSPORTATION								
Vehicle								
Command Vehicle		1unit	1 unit	1unit	0			
Support Vehicle		1unit	None	1unit	1	Acquisition	1,400,000.00	LDRRMF
Fuel		200L/day	None	200L/day x 3days x 45.00/L		Acquisition	27,000.00	

EVACUATION SECTOR

A. SCENARIO

Affected Population with Inundated Homes	6,747 families or 33,736 individuals
Injuries/Illness	300
Fatalities	10
Housing, Property and Livelihood damage	100% in 6 identified areas
There is a need to evacuate and accommodate displaced families and provide for their necessities	

B. OBJECTIVE

- To activate identified evacuation centers for displaced families wherein services and basic needs such as water systems, lighting systems, comfort rooms, rooms for lactating mother, rooms for couples and other necessary facilities can be addressed or provided for until they are deemed safe to return to their homes.

C. LEAD AGENCY: CSWD

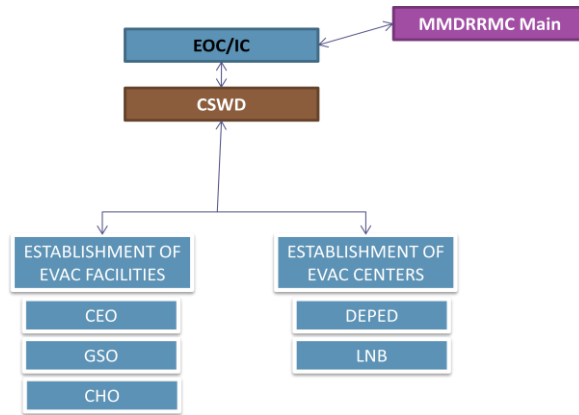
D. SUPPORT AGENCY: CHO, DRRMO, DepEd, CPDCO, CEO, Concerned BDRRMCs

E. TASKS

CSWD, DepEd, LNB	Ensure that adequate temporary shelters are safe and available to accommodate displaced families
CEO, CBO, DepEd, CHO, CSWD	Ensure that facilities within evacuation sites to conduct/provide for basic needs are available
CEO, CBO	Ensure alternate evacuation sites for prolonged displacement of families

F. STANDARD OPERATING PROCEDURE

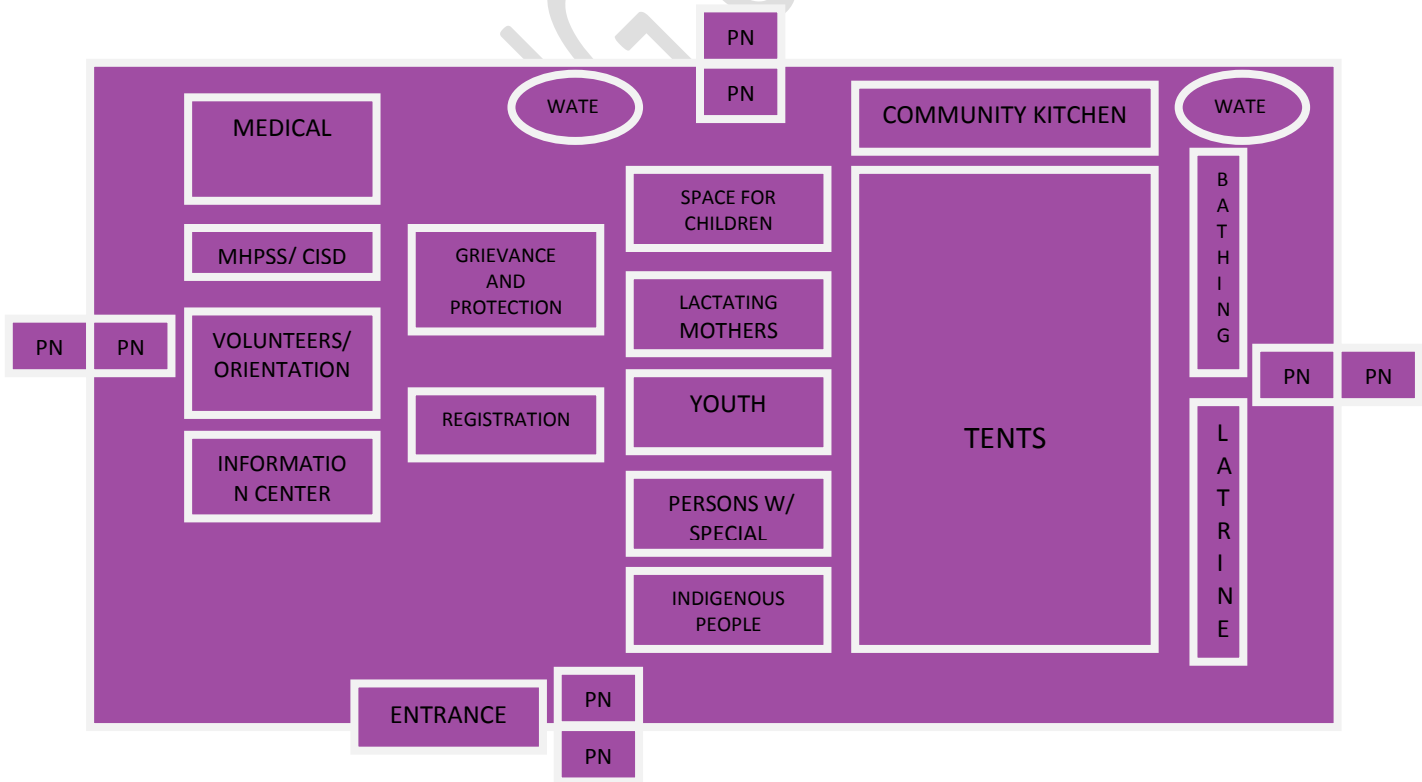
COORDINATION ACTION



- CSWD to coordinate with concerned BDRRMCs, DepEd, CEO, CHO, LNB, NGOs, Private Sector for the activation, inspection and preparation of Pre-identified Evacuation Camps/Centers (see annex)
- Provide continuous situational updates to the EOC

RESPONSE ACTION

- Facilitate the establishment of Evacuation Camps at identified sites based on suggested lay-out:



GAPS AND NEEDS IDENTIFICATION: EVACUATION SECTOR

Item	Population Affected/ Area of Concern	Standard	Existing Resources	Projected Needs 3 Days	Gap (PN-ER)	Activity to Meet the Gaps	Cost	Source
MANPOWER								
CSWDO personnel	EOC	2 x 12 hour shift	2	2	0			CSWD
Camp Management Team	Evac Camp	1 Camp Manager x 6 Brgy	6	6	0			CSWD
		Camp Team Leaders x 2 shift x 21 evac camps	12	42	30			
		5 Support Manpower x 2 shift	0	10	10			
		5 volunteers x 21 evac camps	0	105	105			
EVACUATION CAMP ESTABLISHMENT AND MAINTENANCE								
Covered Evacuation Camps	33,746 individuals 6, 747 families	depending on capacity of school	available	available	none			CSWD, DepEd
Office Supplies		1 lot	Available	1 lot	0			CDRRMC
Maintenance of Utilities	21 evacuation areas	1 team as needed						CEO
Supplementary Portalets		2/evacuation camp	0	42	42	Acquisition (AIP)	1,260,000	CEO (DRRMF)
TRANSPORTATION								
Transportation of Evacuees		1 L300 van/Barangay x 6 Barangays	6	6	0			DepEd
Transportation for Mobilization of Camp Management Team		1	1	1	0			CSWD
Collection dump truck/crew		6 trucks	0	6	6	Trans. Sec to assign		Trans. Sec

HUMAN RELIEF AND REHABILITATION SECTOR

A. SCENARIO

Affected Population with Inundated Homes	6,747 families or 33,736 individuals
Injuries/Illness	300
Fatalities	10
Housing, Property and Livelihood damage	100% in 6 identified areas
There is a need to accommodate and provide for the basic needs of affected and displaced families. Affected population is diverse from children to elderly and may suffer health and psychosocial problems.	

B. OBJECTIVE

To ensure that basic needs of disaster affected families are provided for and necessary preparations and assistance are given to aid in restoring their lives.

C. LEAD AGENCY: CSWD

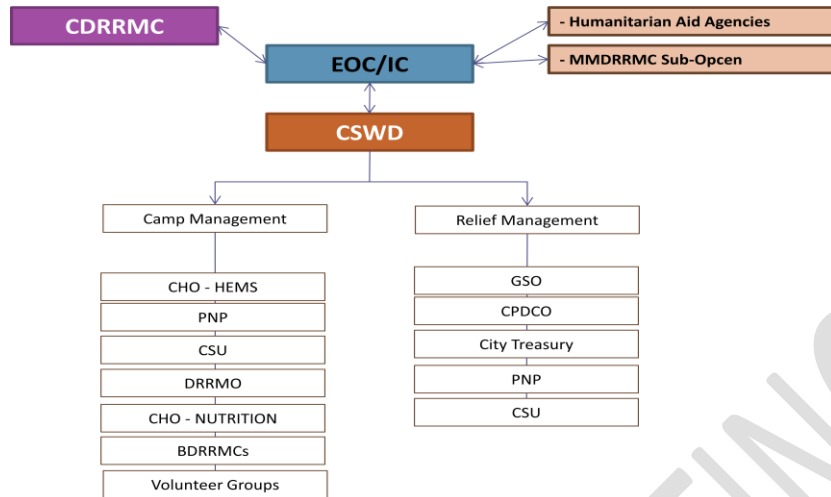
D. SUPPORT AGENCY: DepEd, CHO, Concerned BDRRMCs, DRRMO, CEO, GSO

E. TASKS

DepEd, Concerned BDRRMC	Shall keep all concerned agencies, offices, and divisions informed of the availability and status of resettlement areas, rehabilitation centers, and other public facilities. Shall make arrangements with public schools and other available public facilities to provide temporary shelters to disaster/calamity victims.
Concerned BDRRMC, DRRMO	Responsible for the systematic and organized evacuation of people from disaster affected areas.
CSWD, CHO, CEO, GSO	Supervise evacuation site operations and activities, and ensure the availability of needed supplies and equipments within the shelter/resettlement/rehabilitation areas.
CSWD, CEO	Shall assess and provide the needs of the evacuees such as water, sanitation, relief goods and medicines.

F. STANDARD OPERATING PROCEDURE

COORDINATION ACTION



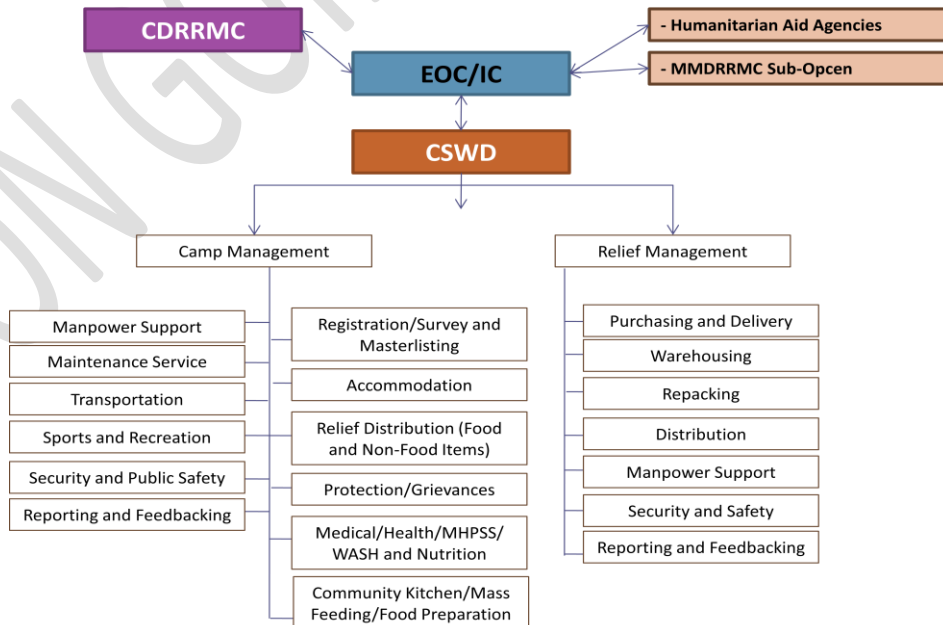
CAMP MANAGEMENT

- Coordinate with BDRRMC, Security Sector, Fire Sector, Health/Medical Sector, DepEd, BOO
- Provide continuous situational updates to the EOC

RELIEF MANAGEMENT

- Coordinate with BDRRMC, Security Sector, Fire Sector, Health/Medical Sector
- Provide continuous situational updates to the EOC

RESPONSE ACTION



CAMP MANAGEMENT

- Deployment of CSWD Camp Management Team to Identified Evacuation Camps/Center
- Each team will be working in 2 shifts with 12 hours duty per shift. The composition of each team are the following:

TEAM	COMPOSITION
FIELD TEAM	<ul style="list-style-type: none">• 1 team leader• 1 assistant team leader• 9-12 team members• 15-17 support group members• 5 medical and allied group members• 1 reporting officer from Planning unit• 31 members from PantawidPamilya
OPERATIONS	<ul style="list-style-type: none">• 4 members

RELIEF MANAGEMENT

- Coordinate with BDRRMCs for transport of displaced population to the Evacuation Camps
 - Assessment of Camp Facilities and Establish area where relief items are to be temporarily stored prior to distribution.
 - Initial Distribution
 - Subsequent Distribution

GAP AND NEEDS IDENTIFICATION: HUMAN RELIEF AND REHABILITATION SECTOR

Item	Population Affected/ Area of Concern	Standard	Existing Resources	Projected Needs	Gap (PN-ER)	Activity to Meet the Gaps	Cost	Source
				3 Days				
MANPOWER								
Packing/ Repacking Team	Warehouse	1 CSWD Supervisor, 1 CSWD Controller, 50 Volunteers at 12 Hours shift x 2 shifts	2	2 CSWDO Supervisor, 2 CSWDO Controller + 100 Volunteers (encoders/recorders /checkers/packers/loaders/security=102	100	Deploy staff from other LGU offices		CSU, CHO, CENRO
Equipment /Fixtures								
Distribution Truck	Distribution of Relief Goods	1 Closed Van Truck with Driver/barangay	0	6	6	Trans. Sector Lead to assign DepEd trucks		Trans. Sector
Distribution Truck	Back Up Distribution of Relief	3 10-Wheeler Dump Truck	0	3	3	Trans. Sector Lead to assign DepEd trucks		Trans. Sector
Tarpaulin to cover relief and rope to secure		1 per truck x 3	0	3 sets	3	Acquisition (AIP)		DRRMF
FOOD AND NON-FOOD ITEMS								
Non-Food	33,736	1 pack: family	500	6,747	6,247	Acquisition		DRRMF
Mat (XL), Blanket, Slippers, Toiletries pack, Clothes Pack		1						
Food Packs	33,736	1 pack: family	500	6,747	6,247	Acquisition		DRRMF
a. Rice		6 Kg						
b. Canned Goods		6 cans						
c. Noodles		6 noodles						
d. Water		5 litres						
e. Biscuits		5 packs						
f. powdered drink		5 sachets						

HEALTH/MEDICAL SECTOR

A. SCENARIO

Up to 4 meters of water level in some areas, heavy traffic jam, utility and power lines disrupted	
Affected Population with Inundated Homes	6,747 families or 33,736 individuals
Injuries/Illness	300
Fatalities	10
Housing, Property and Livelihood damage	100% in 6 identified areas

B. OBJECTIVE

- To ensure victims of an earthquake are given adequate and timely medical assistance, emotional, mental and psychosocial support as well as to provide victims with adequate environmental sanitation, nutrition and other basic health needs within Parañaque.

C. LEAD AGENCY : CHO

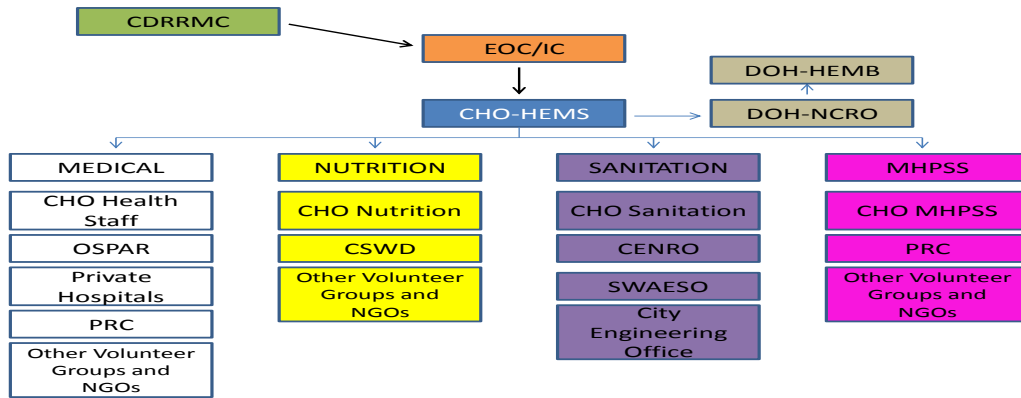
D. SUPPORT AGENCY : CSWD, CSOs, Public and Private Hospitals, NGOs, DRRMO, Volunteer Organizations

E. TASKS

CHO, CSOs, Public and Private Organization	Charged with the duty to provide health, sanitation and hygienic needs of those affected victims
CHO, DRRMOs, , VOs	Shall immediately render medical assistance to disaster victims and thereafter assist in their transfer to different medical facilities as deemed necessary.
CHO, CSWD, NGOs	Shall be charged with the responsibility of the maintenance and provision of the needed medical equipment and supply.
CHO	Prevent the occurrence or any probability of an outbreak or epidemic between and among the disaster victims within the area.
CHO, CSWD, NGOs, Public and Private Hospitals, CSOs	Responsible for addressing the physical, mental, nutritional and psychosocial needs and recovery of those affected.
CHO	Coordinate with the HEMS NCRO, DILG NCR for the dead and missing person.

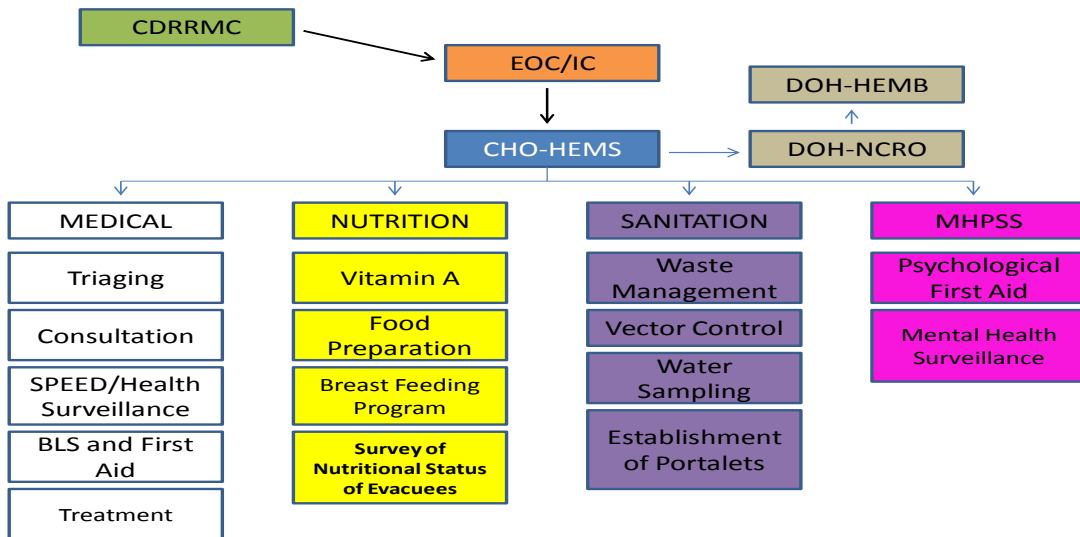
F. STANDARD OPERATING PROCEDURES

COORDINATION ACTION



- Upon threat of weather disturbances or flooding, HEMS Coordinator shall activate the HEMS Team for monitoring.
- The HEMS Coordinator shall immediately coordinate with the City Health Officer or the HEMS Coordinator and the IC. And subsequently coordinate with other partner agencies such as Hospitals, BDC-Chair on Health, Lying-Ins, Barangay Health Centers, Medical Societies and OPVC-Red Cross. Contact other HEMS staff to report to the EOC as needed.
- The City Health Officer or the HEMS Coordinator shall report to the EOC/IC for preparedness measures and actions taken.

RESPONSE ACTION



- Health Teams designated for each barangay will be activated and on standby for possible evacuees at their respective health or evacuation centers. Constant coordination with designated HEMS focal person of the 16 barangays to conduct Rapid Health Assessment.

- HEMS focal persons are to submit their Health Emergency Alert Reporting System (HEARS) report to the CHO/HEMS Coordinator.
- Provide medical assistance to those in need and assess sanitation and hygiene needs as necessary for evacuees.
- Continuous assessment and reporting of Health Teams to the HEMS Coordinator and the HEMS coordinator to the EOC/IC.

ON GOING UPDATING

Needs Projection & Resource Gap Identification (FLOOD)

OFFICE/AGENCY:		City Health Office						
Item	# of population affected	Standard	Existing Resources (ER)	Projected Needs (PN)			GAP (PN-ER)	Source
				1 day	7 days	14 days		
A. COMMUNICATIONS	171,309 individuals(6 brgys)							
1. Handheld Radios with extra battery packs		2 handheld radio:1 evac site:12 evac site	2 Handheld Radios		14 Handheld Radios		12 Handheld Radios	LGU
2. Megaphones		2 Megaphones: 1 evac site: 12 evac site	None		24 Megaphones		24 Megaphones	
3. Transistor Radios		2 Transistor Radios: 1 evac site:12 evac site	None		24 Transistor Radios		24 Transistor Radios	
4. Cellphone with extra Batteries and Load		2 Cellphone: 1 evac : 12 evac site	None		24 Cellphones		24 Cellphones	
B. SECURITY	171,309 individuals(6 brgys)							
C. TRANSPORTATION	171,309 individuals(6 brgys)							
1. Heavy Duty Vehicles		1 Vehicle: 20 Health Personnel's	None		17 Vehicles		17 Vehicles	
2. Ambulance		1 Ambulance: 3 evac sites: 12 evac sites	2 Ambulance		4 Ambulance		2 Ambulance	
D. ENGINEERING RECOVERY AND REHABILITATION	171,309 individuals(6 brgys)							

E. HEALTH								
1. Health Personnel stationed on every evacuation site								
a. Medical Officers		1 MO: 1 evac site:12 evac site	21 MOs		12 MOs		None	
b. Dentist		1 Dentist: 1 evac site: 12 evac site	23 Dentist		12 Dentist		None	
c. Nurses		2 Nurses: 1 evac site:12 evac site	70 Nurses		24 Nurses		None	
d. Midwives		1 Midwife: 1 evac site:12 evac site	48 Midwife		12 Midwife		none	
e. Nutritionist		1 Nutritionist: 1 evac site:12 evac site	5 Nutritionist		12 Nutritionist		7 Nutritionist	
f. BHA/BNS		2 BHA:1 evac site:12 evac site	25 BHA		24 BHA		none	
g. Med Tech		1 Med tech:1 evac site:12 evac site	16 Med Tech		12 Med Tech		none	
h. Sanitation Inspectors		2 SI:1 evac site:12 evac site	16 Sanitation Inspectors		24 SI		8 Sanitation Inspectors	
i. BHWs		4 BHWs:1 evac site:12 evac site	192 BHWs		48 BHWs		none	
j. Other Health Personnel			110 other personnel					
2. First Aid Kits for Traiging	D = <1,000 I = <5,500		1 First aid kit: 50 Injured		110 Minor Set			LGU
a. Bandages (2x5)			5 bandage:1 First Aid Kit		550 Bandage			LGU
b. Bandages (3x5)			5 bandage:1 First Aid Kit		550 Bandage			LGU
c. Bandages (4x5)			5 bandage:1 First Aid Kit		550 Bandage			LGU
d. Bandages (5x5)			5 bandage:1 First Aid Kit		550 Bandage			LGU
e. T Bandage			5Tbandage:1 First Aid Kit		550 Bandage			LGU
f. Gauze Pads (4x4)			50 Gauze Pads:1		5,500 Gauze			LGU

			First Aid Kit		Pads		
g. Gloves			100 Gloves:1 First Aid Kit		11,000 Gloves		LGU
h. Masks			100 Masks:1 First Aid Kit		11,000 Masks		LGU
i. Portable Oxygen (Cylinder D)			1 tank : 1 First Aid Kit		110 tanks		LGU
j. Nasal Cannula			10 Nasal Cannula : 1 First Aid Kit		1,100 Nasal Cannula		LGU
k. Betadine Solution with cotton balls			1 container: 1 First Aid Kit		110 Container		LGU
l. Tourniquet			2 tourniquet: 1 First Aid Kit		220 Tourniquet		LGU
m. Pen Light			2 penlight: 1 First Aid Kit		220 Penlight		LGU
n. PNSS 1L Bottle			3 bottle: 1 First Aid Kit		330 PNSS 1L Bottle		LGU
o. BP Apparatus			2 BP app: 1 First Aid Kit		220 BP app		LGU
p. Stethoscope			2 Steth: 1 First Aid Kit		220 Steth		LGU
q. Splints			5 Splints: 1 First Aid Kit		550 Splints		LGU
r. Arm Slings			3 Arm Sling: 1 First Aid Kit		330 Arm Sling		LGU
s. Kelly Curve			2 Kelly: 1 First Aid Kit		220 Kelly Curve		LGU
t. Kelly Straight			2 Kelly: 1 First Aid Kit		220 Kelly Straight		LGU
3. OB Kits for Maternal Emergencies			1 OB Kit: 1,500 individuals		115 OB KITS		LGU
a. Baby Clamps			10 Clamps:1 OB Kit		1,150 Clamps		LGU
b. Bandage Scissor			5 Bandage Scissors:1 OB Kit		575 Bandage Scissors		LGU
c. Kelly Curve			5 Kelly:1 OB Kit		575 Kelly Curve		LGU
d. Kelly Straight			5 Kelly:1 OB Kit		575 Kelly		LGU

					Straight		
e. Sterile Gloves			30 Gloves:1 OB Kit		3,450 Gloves		LGU
f. Masks			30 Masks:1 OB Kit		3,450 Masks		LGU
g. Gowns			30 Gowns:1 OB Kit		3,450 Gowns		LGU
4. Medicines for Evacuees and Personnel	171,309 individuals(6 brgys)						
a. Cotrimoxazole 800mg tab		1 individual: 3tabs/day	8,800 tabs		3,597,489 Tabs	3,588,689 Tabs	LGU / DOH
b. Amoxicillin 500mg cap		1 individual: 3caps/day	5,800 Caps		3,597,489 Caps	3,591,689 Caps	LGU / DOH
c. Amoxicillin 250mg suspension		1 Child: 1 bottle	720 bottles		1,199,163 Bottles	1,198,443 Bottles	LGU / DOH
d. Amoxicillin 100mg drops		1 newborn: 1 bottle	720 bottles		1,199,163 Bottles	1,198,443 Bottles	LGU / DOH
e. Paracetamol 500mg tab		1 individual: 4tabs/day	8,800 tabs		4,796,652 Tabs	4,787,852 Tabs	LGU / DOH
f. Lagundi 300mg tab		1 individual: 2tabs/day	5,000 tabs		2,398,326 Tabs	2,393,326 Tabs	LGU / DOH
g. Bayabas 130g soap		1 individual: 1 bars	29 bars		1,199,163 Bars	1,199,163 Bars	LGU / DOH
h. Doxycycline 100mg tab		1 individual: 3tabs/day	2,900 tabs		3,597,489 Tabs	3,594,589 Tabs	LGU / DOH
i. Acapulco 130g soap		1 individual: 1 soap	17 bars		1,199,163 Bars	1,199,146 Bars	LGU / DOH
j. Sulfur Ointment		1 individual: 1 cups	12 cups		1,199,163 Cups	1,199,151 Cups	LGU / DOH
k. Whitfield Ointment		1 individual: 1 cups	30 cups		1,199,163 Cups	1,199,131 Cups	LGU / DOH
l. Antibiotic Ointment		1 individual: 1 cups	50 cups		1,199,163 Cups	1,199,113 Cups	LGU / DOH
m. Prednisone Ointment		1 individual: 1 cups	50 cups		1,199,163 Cups	1,199,113 Cups	LGU / DOH
5. WATER, SANITATION							

& HYGIENE								
WATER	171,309 individuals	1 person : 15 liters per day		2,569,635 Liters	17,987,445 Liters	35,974,890 Liters		MAYNILAD
1. Jerry Cans / Water Containers	171,309 individuals / 34,262 families	2 units : 1 Family	None	68,524 units	479,668	959,336 units	959,336 units	LGU / DOH
2. Hyposol	171,309 individuals / 34,262 families	1 unit : 28 Jerry Cans	72 units	7,095 units	49,665 units	99,330 units	99,330 units	LGU / DOH
3. Chlorine Tablets / Granules	171,309 individuals / 34,262 families	1 unit : 1 Family	None	34,262 units	239,834 units	479,668 units	479,668 units	LGU / DOH
TOILETS / BATHING FACILITIES	496,606 individuals	1 Toilet : 50 individuals	None	----	----	9.932 Toilet / Bathing Facilities	9,932 Toilet / Bathing Facilities	LGU / NGO
VECTOR CONTROL								
1) Mistig Machines		6 units	3 units				3 units	LGU / DOH
2) Insecticides								LGU / DOH
a) Gokilaht		180	78 units				102 units	
b) Deltacide		180	59 units				121 units	
c) Abate		50	30 boxes				20 boxes	
d) Sumilarv		50	10 boxes				40 boxes	
e) Mosquiron		180	None				180 units	
f) Aqua Resigen		180	None				180 units	
g) Alpha Net		2 : 1 Family	300 units	----	----	198,642 units	198,342 units	
3) PPEs (Personal Protective Equipments)								
a) Gloves		1 Set : 1	None	3 units	21 units	42	---	LGU
b) Mask		Sanitation				units		
c) Overalls		Inspector						
4) Anti-mosquito Set								
a) Mosquito Net	171,309 individuals /	1 Set : 1 Family	None	----	----	34,262 units		LGU

b) Anti-Mosquito Lotion	34,262 families							
c) Blanket								
HYGIENE								
1) Hygiene Kit								
a) Bucket with Lid	171,309 individuals / 34,262 families	1 unit : 1 Family	None	34,262 units	239,834 units	479,668 units	479,668 units	LGU
b) Soap (135g)	171,309 individuals / 34,262 families	3 units : 1 Family	None	102,786 units	719,502 units	1,439,004 units	1,439,004 units	LGU
c) Toothpaste (125 ml)	171,309 individuals / 34,262 families	1 unit : 1 Family	None	34,262 units	239,834 units	479,668 units	479,668 units	LGU
d) Toothbrush with cap (3 adults and 2 children)	171,309 individuals / 34,262 families	1 Set : 1 Family	None	34,262 units	239,834 units	479,668 units	479,668 units	LGU
e) Towel (18" x 30")	171,309 individuals / 34,262 families	2 unit : 1 Family	None	68,524 units	479,668 units	959,336 units	959,336 units	LGU
f) Sanitary Napkin	171,309 individuals / 34,262 families	3 unit : 1 Family	None	102,786 units	719,502 units	1,439,004 units	1,439,004 units	LGU
WASTE MANAGEMENT								
1. Plastic Bags (9 x 9 x 18)	171,309 individuals / 34,262 families	1 unit : 1 Family / Day	None	34,262 units	239,834 units	479,668 units	479,668 units	LGU
2. MD Disinfectant		3 units : 1 Day	24 units	3 units	21 units	42 units	18 units	LGU / DOH
6. Nutrition Supplies	171,309 individuals / 34,262 families							

r) TRAYS							25 dozen	
7. Mental Health Team Supplies								
8. Paranaque Community Hospital (PCH) Supplies								

ON GOING UPDATING

FIRE SECTOR

A. SCENARIO

Up to 4 meters of water level in some areas, heavy traffic jam, utility and power lines disrupted	
Affected Population with Inundated Homes	6,747 families or 33,736 individuals
Injuries/Illness	300
Fatalities	10
Housing, Property and Livelihood damage	100% in 6 identified areas
Fire Incidents may occur.	

B. OBJECTIVE

- To ensure adequate response for fire suppression, hazmat control and fire rescue activities

C. LEAD AGENCY : BFP

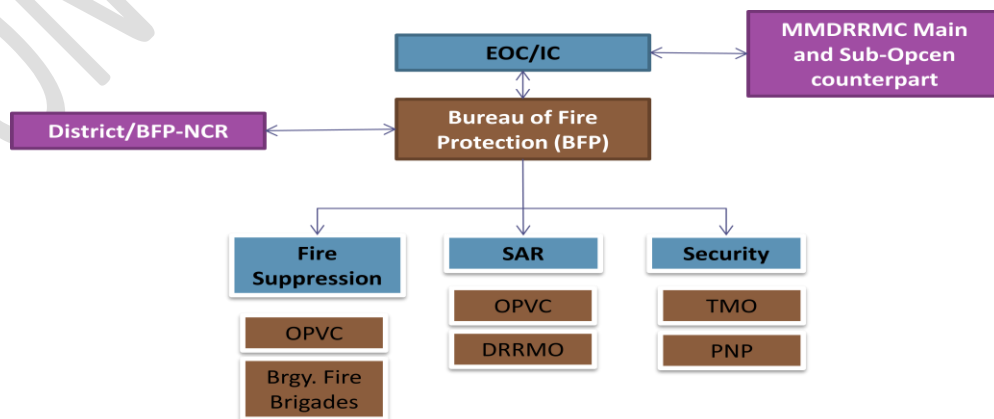
D. SUPPORT AGENCY : TPMO, PNP, OPVC, DRRMO, NGOs, 16 Barangay Fire Brigades

E. TASKS

OPVC, Barangay Fire Brigades, BFP	Deliver water supply to areas where there is inadequate water supply such as evacuation centers
BFP, OPVC, DRRMO	Conducts fire suppression, hazmat control and fire rescue activities
TPMO, PNP	Ensure appropriate road management to assist ingress and egress of fire and rescue vehicles to incident site
PNP	Ensure safety and security of people and property within surrounding fire incident area

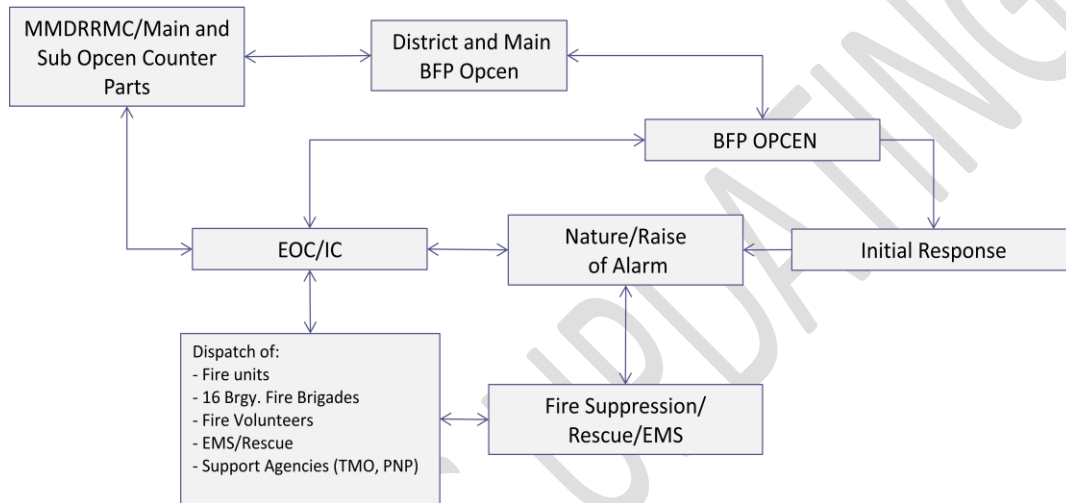
F. STANDARD OPERATING PROCEDURES

COORDINATION ACTION



- Upon threat of weather disturbances or flooding, Fire Marshall shall activate the BFP for monitoring.
- The Fire Marshall shall immediately coordinate with the IC. And subsequently coordinate with other partner agencies such as Volunteer Fire Fighters, BFP-NCR. The Fire Marshall shall report to the EOC/IC for preparedness measures and actions taken.

RESPONSE ACTION



- Upon report of a fire incident the BFP shall send a team to verify call. Responding vehicles from volunteer fire fighters shall check-in with the on-scene commander.
- The On-scene commander shall determine the appropriate alarm for the fire incident.
- The On-scene commander shall conduct continuous reporting to the EOC/IC for status updates.

GAPS AND NEEDS IDENTIFICATION: FIRE SECTOR								
Item	No. of Population	Standard	Existing Resources	3 days	GAP	Activities to Meet Gap	Cost	Source
					(PN-ER)			
Central Fire Station	33,736							BFP
Fire Tanker		1	1	1	0			
Pumper		1	1	1	0			
Fire Ladder		1		1	1			
Rescue Tender		1	0	1	1	utilize city rescue tender		DRRMO
Fire Truck		1		1	1	16 barangay fire trucks and at least 3 from OPVC (verify)		
Ambulance		1	1	1				
Ambulance Personnel		1: 4 persons	34	11	0			
Fire Personnel for each vehicle		1: 7 persons						
La Huerta Station								BFP
Fire Tanker		1		1	1			
Pumper		1		1	1			
Fire Ladder		1		1	1			
Rescue Tender		1	0	1	1	utilize city rescue tender		DRRMO
Fire Truck		1	1	1	0			
Ambulance		1		1	1			
Ambulance Personnel		1: 4 persons	9	11	2	utilize off duty personnel		
Fire Personnel for each vehicle		1: 7 persons						
BF Station								BFP
Fire Tanker		1		1	1			
Pumper		1		1	1			
Fire Ladder		1		1	1			
Rescue Tender		1		1	1			
Fire Truck		1	1	1	0			
Ambulance		1		1	1	assistance from barangay		
Ambulance Personnel		1: 4 persons	9	11	2	utilize off duty personnel		
Fire Personnel for each vehicle		1: 7 persons						
Don Bosco Station								BFP
Fire Tanker		1		1	1			
Pumper		1		1	1			
Fire Ladder		1		1	1			
Rescue Tender		1		1	1			

Fire Truck		1	1	1	0		
Ambulance		1		1	1	assistance from barangay	
Ambulance Personnel		1: 4 persons	8	11	3	utilize off duty personnel	
Fire Personnel for each vehicle		1: 7 persons					
Repeater		1	1		0		BFP
SCBA		7: 1 truck	4	140	136	BFP to request from BFP NCR/	BFP
inflatable raft		1: 1 station	4	4	0		BFP
ropes		2: 1 truck	2	40	38	City to augment supply	LDRRM F
PPEs		1: 1 person	60	60	0		BFP

ON GOING UPDATING

SEARCH AND RESCUE SECTOR

A. SCENARIO

Up to 4 meters of water level in some areas, heavy traffic jam, utility and power lines disrupted	
Affected Population with Inundated Homes	6,747 families or 33,736 individuals
Injuries/Illness	300
Fatalities	10
Housing, Property and Livelihood damage	100% in 6 identified areas

B. OBJECTIVE

To rescue/recover/guide disaster victims trapped or stranded in areas where danger is imminent, to administer basic life support and first aid to injured/ill persons, search for missing persons and establish initial management of fatalities.

C. LEAD AGENCY : DRRMO

D. SUPPORT AGENCY : LNB, CHO, PNP, BFP, NGO, CSO, SAR Groups

E. TASKS

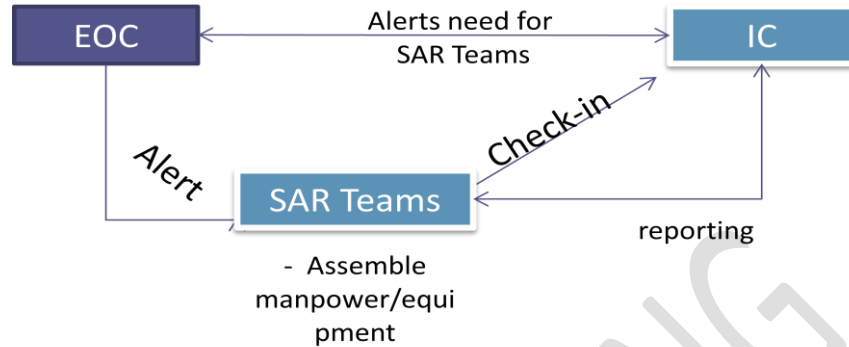
LNB, DRRMO, SAR Groups	Provide basic life support to victims
LNB, DRRMO, SAR Groups	Undertake search, rescue and retrieval of victims requiring specialized technical operations such as collapsed structures, vehicular collisions, fire, swiftwater and flood water rescue
LNB, DRRMO, SAR Groups	Assist in the evacuation of families/individuals from their homes
DRRMO,CHO,PNP,DILG	Conduct initial management of fatalities (cadaver repository)
DRRMO, CHO,PNP,DILG	Coordinate and turn-over of fatalities to proper agencies/authorities for management(identification, burial, health hazard management, etc.) of the dead

F. STANDARD OPERATING PROCEDURES

COORDINATION ACTION

- Upon threat of weather disturbances or flooding, the Rescue Chief shall activate the DRRM personnel for monitoring.
- The Rescue chief shall immediately coordinate with the IC. And subsequently coordinate with other partner agencies such as Volunteer SAR Groups, BFP, PNP and BDRRMCs. The Rescue Chief shall report to the EOC/IC for preparedness measures and actions taken.

RESPONSE ACTION



- The Incident Commander to deploy search and rescue teams.
 - 1 team leader and 6 members proficient in conducting EMS/SAR Operations
 - Team leader to assess Situation and report to the EOC/IC
 - Locate victim
 - Access victim
 - Stabilize victim
 - Transport victim
 - Team leader to give feedback to EOC/IC
- Search and Rescue teams not from the DRRMO are to check-in with EOC/IC for briefing and deployment.
 - Rescued victims are to be turned-over to proper authorities/agencies
 - Round the clock operation for the as threat is still imminent
 - Subsequent operations and termination will be determined by the IC.

GAPS AND NEEDS IDENTIFICATION: SEARCH AND RESCUE SECTOR								
Item	Population Affected/ Area of Concern	Standard	Existing Resources	Projected Needs	GAP (PN- ER)	Activities to Meet Gap	Cost	Source
				3 Days				
Personnel requirement	6 barangays							
SAR Team		7-man team/area	20 teams	6 teams	0			DRRMO, BGY, PRC
HAZMAT Team		(1) 7-man team	0	1 team	1 team	activate partnership with MMDRRMC		DRRMO
PPEs	6 teams	1 set/responder	42	42 sets	0			
Transportation	6 teams	2 closed van truck for the 6 teams	0	2	2	Trans. Sec lead to assign		Trans. Sector
Search and Rescue Equipment	6 teams	1 lot/team	3 lots	6 lots	3 lots	Acquisition of various SAR equipment (2015 AIP)	5,000,000.00	LDRRMF

TRANSPORTATION SECTOR

A. SCENARIO

Up to 4 meters of water level in some areas, heavy traffic jam, utility and power lines disrupted	
Affected Population with Inundated Homes	6,747 families or 33,736 individuals
Injuries/Illness	300
Fatalities	10
Housing, Property and Livelihood damage	100% in 6 identified areas

B. OBJECTIVE

- To facilitate the provision for the transportation needs of the different sectors.

C. LEAD AGENCY : GSO

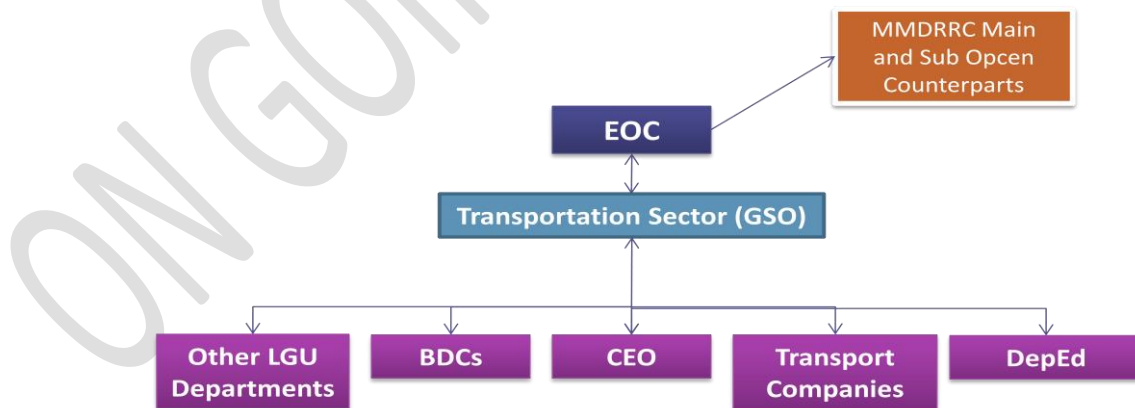
D. SUPPORT AGENCY : CPDCO, DRRMO, NGOs, CSO, CEO

E. TASKS

- Shall coordinate and facilitate for adequate land transportation for mobilization of persons, materials, equipments, goods and others as deemed necessary.
- Transport affected families to safe areas/evacuation sites

F. STANDARD OPERATING PROCEDURES

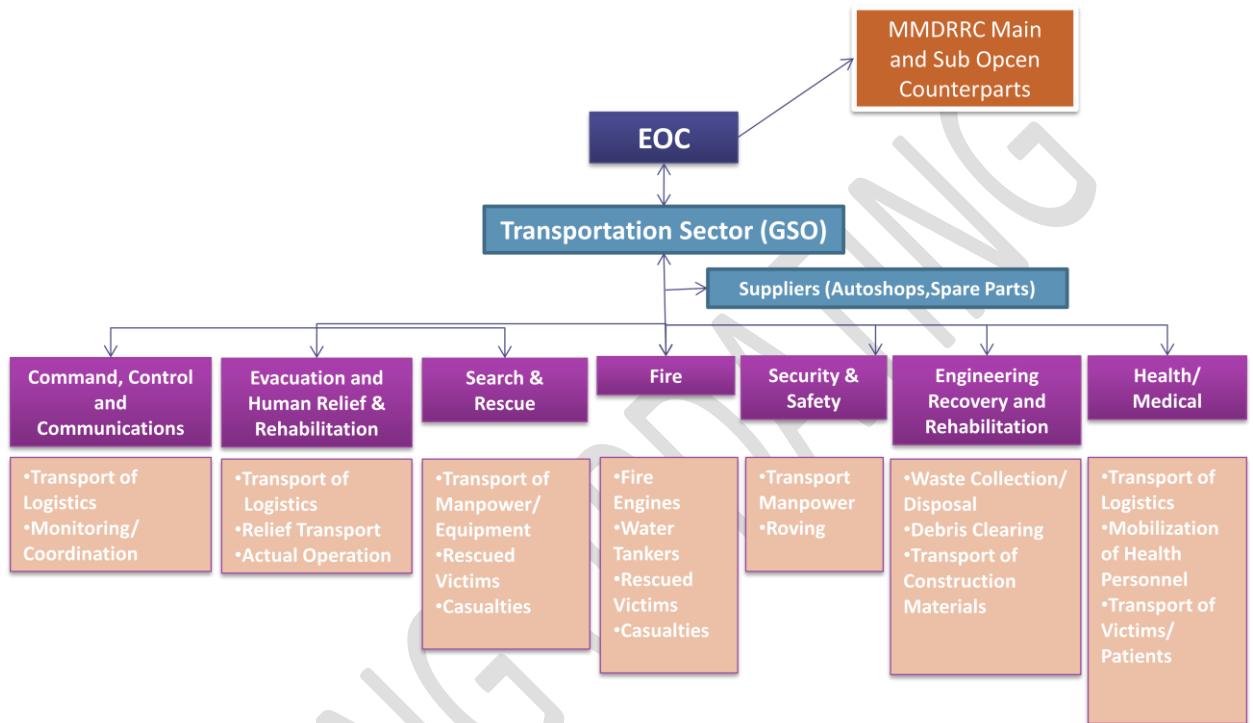
COORDINATION ACTION



- The GSO shall coordinate with EOC/IC. The. Contact his/her staff to the GSO.
- The designated GSO officer shall report to the EOC/ICP.
- Establish OPCEN and staging area for the transport sector.

- Coordinate with transport partners such as Transport Companies, CEO, BDCs and other LGU departments (DepEd, CPDCO, Brgy Health Stations)
- Initial report and feedback to the EOC/IC.

RESPONSE ACTION



- Regular coordination and follow up with EOC/IC and different sectors for the deployment of transport.
- Facilitate the retrieval/towing and repair of deployed vehicles needing maintenance services. As needed, explore outsourcing of needed maintenance services if not available
- Acquisition and allocation of fuel and necessary spare parts to deployed vehicles through emergency purchase
- Regular updating and feedback to EOC/IC.

GAPS AND NEEDS IDENTIFICATION: TRANSPORTATION SECTOR

Item	Population Affected/ Area of Concern	Standard	Existing Resources	Projected Needs	Gap (PN-ER)	Activity to Meet Gap	Cost	Source
				3 Days				
MANPOWER								
Vehicle Mechanic		2	0	2	2	utilize CEO personnel		CEO
Monitoring Personnel		1 team x 2 shifts	1	1	0			
Sector Representative	EOC/ICP	1 GSO staff x 2 shifts	2	2	0			
EQUIPMENT AND VEHICLES								
<i>Transportation Sector</i>								
Towing equipment		1 from the city	0	1	1	Utilize PTMO/ Motorpool Towing Vehicle		CEO
Mobilization transportation			2	2	0			GSO
<i>Command, Control and Communications Sector</i>								
Support Vehicle w/ driver	EOC/IC	1	0	1	1	utilize DepEd vehicles		DepEd
<i>Evacuation Sector</i>								
Collection dump truck/crew		6 trucks	0	6	6	utilize barangay collection trucks		Barangay
<i>Human Relief and Rehabilitation Sector</i>								
Transportation of Relief Goods		2 vehicles with driver x 6 brgy	0	12	12	utilize DepEd vehicles		
Distribution Truck	Back Up Distribution of Relief	3 10-Wheeler Dump Truck	0	3	3	utilize CEO trucks		CEO
For Purchasing		1 truck	5	1	0			CEO
<i>Health/Medical Sector</i>								

L300 (Ambulance)	Evacuation Camps Barangay Health Station	1 per brgy	0	6	6	utilize unaffected barangay ambulances	Upper Barangays
Utility Truck with Driver/Alternate Driver and Fuel		1	0	1	1	activate partnership with AFP	Utility Truck, Driver, Alternate Driver from AFP
Fire Sector							
Rescue Tender		1 per sub station x 4 substation	0	4	4	utilize city rescue tender for all substations	DRRMO
Fire Truck		1 per sub station x 4 substation	0	4	4	utilize 16 barangay and 4 OPVC utilize of 2 remaining upper barangay ambulances	OPVC and Barangay
Ambulance		1 per sub station x 4 substation	1	4	3		Barangay
Search and Rescue Sector							
Transportation		2 closed van truck for the 6 teams	0	2	2	utilize DepEd vehicles	DepEd
	6 teams						

ENGINEERING RECOVERY AND REHABILITATION SECTOR

A. SCENARIO

Up to 4 meters of water level in some areas, heavy traffic jam, utility and power lines disrupted	
Affected Population with Inundated Homes	6,747 families or 33,736 individuals
Injuries/Illness	300
Fatalities	10
Housing, Property and Livelihood Affected	100% in 6 identified areas
Infrastructure and critical structures are damaged from the flooding	

B. OBJECTIVE

- To ensure that necessary infrastructure such as access roads, shelters and other vital installations are restored to its functional state.

C. LEAD AGENCY : CITY ENGINEERING

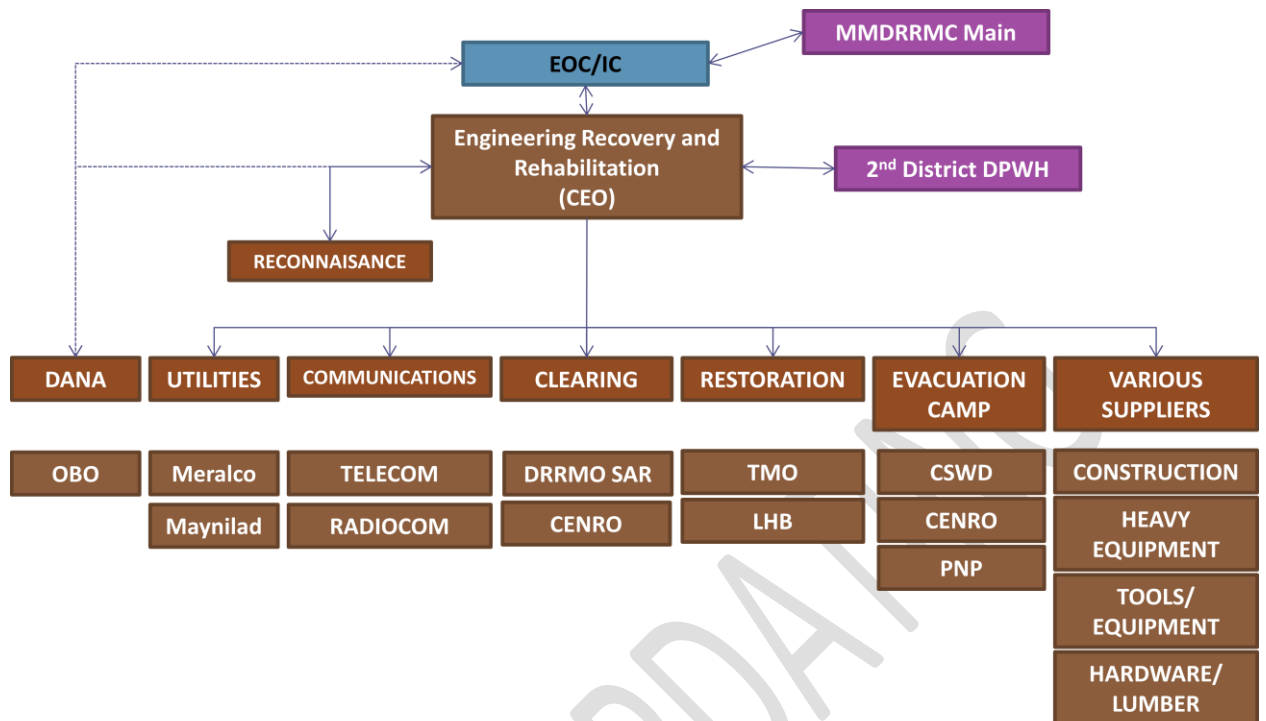
D. SUPPORT AGENCY : CPDCO, DRRMO, CENRO, OBO, DPWH, MMDA, NGOs, VO, CSOs, Private Sector

E. TASKS

CEO, OBO, TMO, CENRO	Identify and, if needed, clear/restore roads to provide necessary access for transport of materials and supplies into the city or into those affected areas
CEO, DPWH	Make necessary repairs/restoration/reconstruction to vital installations
CEO, DPWH, MMDA	Assist rescue units in the conduct of rescue operations when called upon
CEO, LHB, NGOs, CSOs, VOs	Provide or arrange/construct temporary, permanent housing /settlements and facilities to those affected population.
CEO, CENRO	Provide/facilitate necessary maintenance services in the evacuation camp such as solid and water waste management and maintenance of facilities (electricity, water, cleanliness)
CEO, Private Sector	Facilitate or ensure linkages with contractors, developers and owners of heavy equipment, construction supply for assistance in reconstruction and rehabilitation

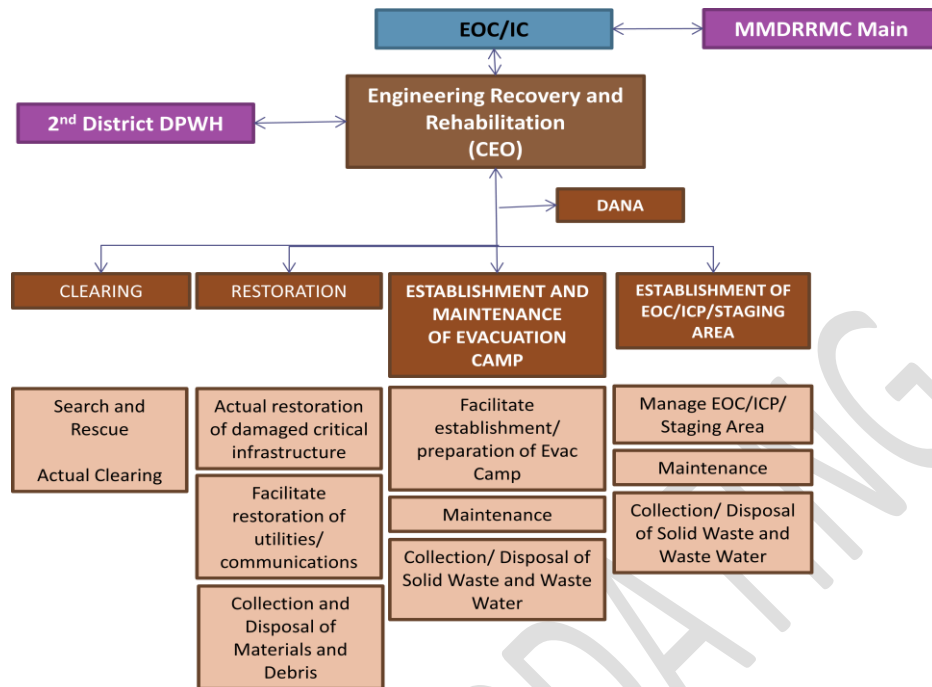
F. STANDARD OPERATING PROCEDURES

COORDINATION ACTION



- The City Engineer shall coordinate with the EOC/IC, for initial coordination. Contact other staff to report to the staging area, assess initial status of inventory for deployment
- Deploy spotter/reconnaissance to conduct initial assessment of area 4 teams per district:
 - 1 motorcycle per team
 - 1 handheld radio per team
 - 1 digital cam per team
- Organize and scheduling of engineering team based on initial plan of action
- Report to EOC/IC initial assessment result and plan of action
- Facilitate establishment of EOC/ICP at the in case the City Hall and DRRMO rescue building is deemed structurally unsound
- Facilitate establishment of Motor pool as staging area and operations center for the engineering sector.
- Alert and coordinate with other engineering partners

RESPONSE ACTION



DAMAGE ASSESSMENT AND NEEDS ANALYSIS

- Conduct Damage Assessment and Needs Analysis of various structures affected by the earthquake in coordination with support agencies:
 - City Hall and DRRMO rescue building
 - Bridges/Road Network
 - Public Hospitals, Health Centers and other health facilities
 - Public Schools
 - Barangay Halls
 - Utilities
 - Structures of Historical Value (e.g. Churches)
- Report to DANA team and EOC/IC

ESTABLISHMENT OF EOC/ICP

- An EOC/ICP will be established within to the Motor pool in case the City Hall and DRRMO Rescue Building is deemed structurally unsound. The Engineering Sector shall facilitate the construction/establishment of ICP facilities. The Engineering Sector shall provide necessary maintenance of facilities including collection/disposal of solid waste and waste water.
- A Staging Area and Engineering Sector Open shall likewise be established within the Motor pool. Resources to assist the Engineering Sector are to be staged in this area ready for deployment.

CLEARING

- Clearing of priority major roads. Priority areas to be cleared include:
 - Access Roads to leading to ICP, Evacuation Camp and Major Exits:
 - Dr. A. Santos Ave.
 - Kabihasanan Rd. and Quirino Ave.
 - MIA Rd.
- Search and rescue teams on site shall assist to ensure debris are clear of victims/casualties as clearing operations are taking place.
- As needed, activate partnership with private sectors for assistance in debris clearing
- Three (3) teams shall be assigned to manage the clearing of three priority road networks on a 3 shift work duty. Each team shall be composed of:
 - Team 1 will be assigned to Dr. A. Santos Ave.
 - Team leader
 - Assistant Team leader
 - Member (1 foreman, 5 Heavy equipment driver/ operators, 15 laborers)
- Each team shall be provided with the following equipment:
 - Chainsaw
 - (3) Dump trucks
 - Jack hammer
 - Payloader
 - Backhoe
 - Hand tools
- Continuous updating and feedback on operations to the EOC/IC.

RESTORATION

- Conduct assessment of damage facilities and structures
- Prepare the necessary detailed engineering design and cost estimate. Secure approval.
- Acquire construction materials through emergency purchase
- Carry out/contract it out the temporary restoration of damaged government facilities such as roads, bridges and other structures in coordination with concerned national government agencies such as DPWH, MMDA, DepEd and DOH.
- Prepare as built plan.
- Collection and Disposal of cleared debris shall be taken to identified disposal sites.
- Facilitate restoration of utilities (water and electricity) and communication (Telecom and Radio) in coordination with concerned agencies such as Maynilad, Meralco, PLDT and Mobile Network Providers.
- Facilitate delivery of domestic water to affected communities in coordination with Barangay LGU's, BFP and water companies
- Regular reporting and feedback to EOC/IC.

EVACUATION CAMP

- Coordinate with CSWD for the final layout of the evacuation camp.
- Facilitate construction and establishment of initial evacuation camp at Asia World City.
- Coordinate/Assist MMDRRMC Main and Sub Opcen for the completion of the evacuation camp
- Provide and facilitate the provision of regular maintenance services for the evacuation camp In coordination with MMDRRMC Main and Sub Opcen
- Facilitate and coordinate the collection and disposal of solid waste and waste water with CENRO and MAYNILAD, respectively.
- Regular updating and feedback to EOC/IC

ON GOING UPDATING

GAPS AND NEEDS IDENTIFICATION: ENGINEERING RECOVERY AND REHABILITATION

Item	Population Affected/ Area of Concern	Standard	Existing Resources	Projected Needs 3 Days	Gap (PN-ER)	Activity to Meet Gap	Cost	Source
RECONAISSANCE/DANA								
Manpower	6 barangays	2/team x 2 teams/ district for Recon	4	4	0			CEO Task Force
		2 Engrs x 2 teams/ district for DANA	4	4	0			OBO/CEO/CPDCO/CAO
Motorcycle		1/team	3	3	0			OBO/CEO/CPDCO/CAO
Communication/ Documentation		1/ team	1	1	0			OBO/CEO/CPDCO/CAO
CLEARING								
Manpower	5 road networks (Dr. A. Santos Ave., Multinational, Dona Soledad, Quirino Ave., Ninoy Aquino Ave.)	1 team	2	1 driver, 1 foreman, 8 crew	0			CEO
Heavy Equipment								
Payloader		1/team	1	1	0			
Dump Trucks		1 dump trucks/ team	7	1	0			
Tools/Equipment								
32" Steel Chainsaw		2	0	2	2	Acquisition (AIP)	130,000	DRRMF
Jack Hammer		2 units	0	2	2	Acquisition (AIP)	170,000	DRRMF
Flat Shovel		5	0	5	5	Acquisition (AIP)	3,000	DRRMF
Rounded Shovel		5	0	5	5	Acquisition (AIP)	2,500	DRRMF
Axe		5	0	5	5	Acquisition (AIP)	2,000	DRRMF
Pick Axe		5	0	5	5	Acquisition (AIP)	1,250	DRRMF
Machete		5	0	5	5	Acquisition (AIP)	1,000	DRRMF
Wheel Barrow		10	0	10	10	Acquisition (AIP)	30,000	DRRMF

ESTABLISHMENT OF EOC/IC								
Extension Cords 25m		20	0	20	20	Acquisition (AIP)	10,000	DRRMF
White Board		10	0	10	10	Acquisition (AIP)	50,000	DRRMF
Foldable Table and Chairs		30 sets	0	30	30	Acquisition (AIP)	105,000	DRRMF
RESTORATION								
Road Repairs (Asphalting)	5 road networks (Dr. A. Santos Ave., Multinational Ave., Dona Soledad, Quirino Ave., Ninoy Aquino Ave.)	as needed	available	available	none		depending on damage	General Fund
Riprapping Repairs	waterways	as needed	available	available	none		depending on damage	General Fund
Electrical Repair	Gov't structures	as needed	available	available	none		depending on damage	General Fund
Structural Repair	Gov't structures	as needed	available	available	none		depending on damage	General Fund

SAFETY AND SECURITY SECTOR

A. SCENARIO

Up to 4 meters of water level in some areas, heavy traffic jam, utility and power lines disrupted	
Affected Population with Inundated Homes	6,747 families or 33,736 individuals
Injuries/Illness	300
Fatalities	10
Housing, Property and Livelihood damage	100% in 6 identified areas
There is a threat of disruption of peace and order in evacuation sites, evacuation operations and fire and rescue incidents	

B. OBJECTIVE

To ensure the safety of the general public, the responders and property

C. LEAD AGENCY : PNP

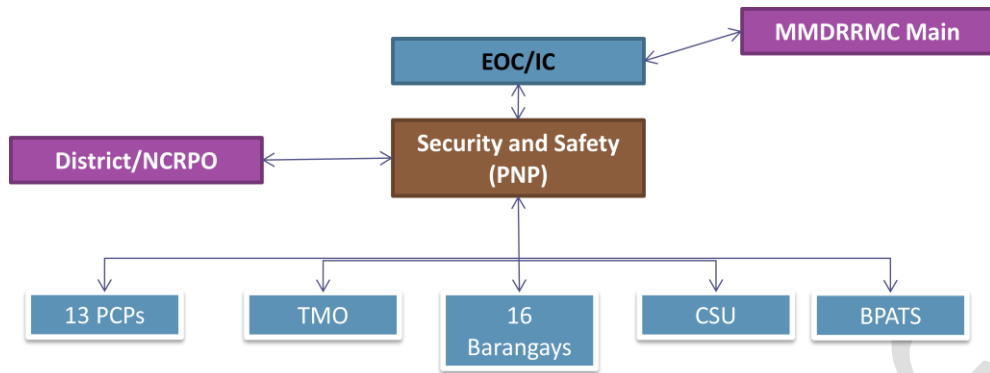
D. SUPPORT AGENCY : TPMO, BPATS, CSU, LNB. Uniform personnel

E. TASKS

PNP, CSU, Uniform Personnel, TPMO	Shall assist in the mobilization of the police force and other security groups to provide security assistance to the DRMCMC Operations, disaster victims in the evacuation and rehabilitation areas.
BDRRMCs	Responsible for the safety and security of persons as well as of the properties of the disaster victims whether it is in the vacated premises, evacuation centers, or other operational areas.
PNP, CSU, Uniform Personnel, TPMO	Shall provide the necessary escort to the transport of persons and their personal properties, equipments, supplies and other much needed resources
PNP, BDRRMCs	Ensure the non-intrusion of malefactors within the resettlement areas and rehabilitation centers.
PNP, BDRRMCs, Uniform Personnel	Shall maintain peace and order at all times

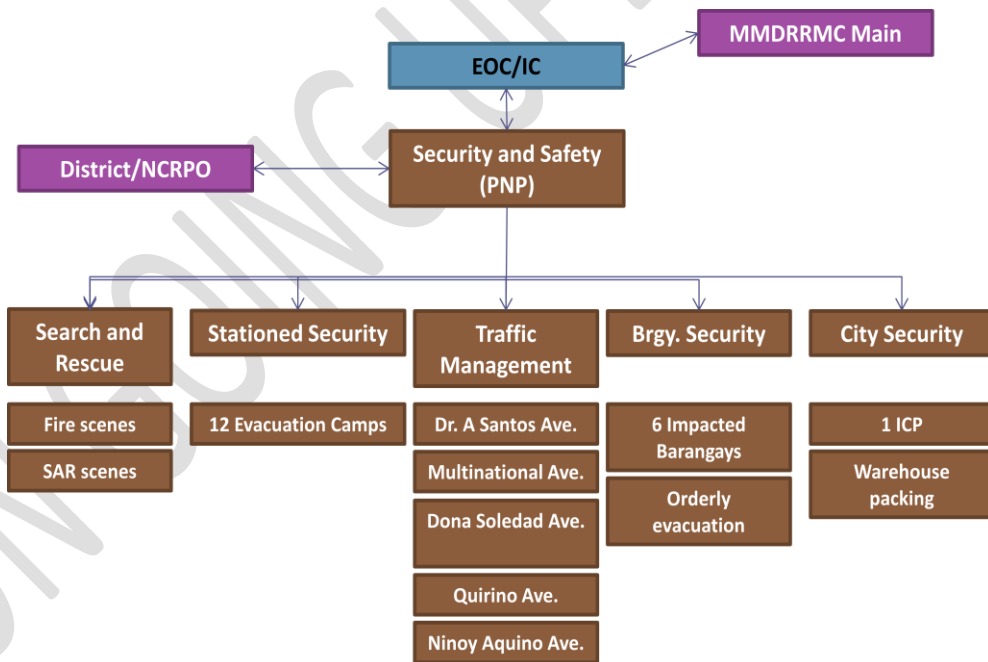
F. STANDARD OPERATING PROCEDURES

COORDINATION ACTION



- The team leader on duty shall coordinate to the
 - COP
 - Shall coordinate with the EOC/IC and PNP District/NCRPO
 - Coordinate with the PCP, TMO, 16 Barangays, CSU and BPATS for initial reporting
- COP to report to the EOC
- Regular updating and reporting to the EOC/IC

RESPONSE ACTION



- The COP to coordinate with the 16 barangays LGU for the deployment of Barangay tanods to provide roving security within their AOR
- The COP shall deploy security and safety personnel to the following:

Site	Standard	Number of Personnel	Remarks
STATION SECURITY			
Parañaque City Jail	7 personnel/12 hour shift	14	PNP
			BJMP
Evacuation Camp	21 personnel/12 hour shift	42	PNP
ROVING SECURITY			
13 PCP's			PCP
	2 additional personnel/12 hour shift	52	PNP
	2 additional personnel/12 hour shift	52	PNP-BPATS

- The COP to coordinate with Traffic Management Office for the deployment of personnel to manage traffic and security at major entry points
- The COP to coordinate with the Civilian Security Unit of the City LGU to ensure security and safety of the City hall, ICP and relief distribution escort.
- To deploy security/search and rescue teams to fire scenes and collapse structures as needed

GAPS AND NEEDS IDENTIFICATION: SAFETY AND SECURITY SECTOR								
Item	Population Affected/ Area of Concern	Standard	Existing Resources	Projected Needs	Gap (PN-ER)	Activities to Meet Gaps	Cost	Source
				3 Days				
STATIONED SECURITY								
Manpower/Transport/Fuel/Communication/Supplies	12 Evacuation Camp	2 personnel x 2 shift	200	24	0			PNP
			150	12	0			CSU
SEARCH AND RESCUE	2 Scenes	4 personnel x 2 scenes	200	4	0			PNP
TRAFFIC MANAGEMENT	Dr. A. Santos Ave., Dona Soledad Ave, Multinational	6 personnel x 3 areas x 2 shifts	150	36	0			PTMO
ROVING SECURITY								
Manpower/Transport/Fuel/Communication/Supplies	6 Barangays	4 personnel x 1 shift	0	24	0			Brgy Security
CITY SECURITY								
Manpower/Transport/Fuel/Communication/Supplies	1 ICP	2 personnel x 2 shift		4	0			CSU
	Warehouse Repacking	2 personnel x 2 shift		4	0			CSU
TRANSPORTATION								
Search and Rescue	2 Scenes	1 vehicle/team x 2	2	2	0			PNP
Traffic Management	Dr. A. Santos Ave., Dona Soledad Ave, Multinational	1 motorcycle/personnel	12	12	0			PTMO
Roving Security	6 Barangays	1 multicab/ barangay	6	6	0			Barangay

CHAPTER 5: Procedures for Feedback, Upgrading and Future Action

ALLOCATION OF RESPONSIBILITIES:

DISSEMINATION:

This shall be tasked to the Communications Sector and Social Welfare Sector in coordination with the City Disaster Risk Reduction and Management Office, City Planning & Development Coordinator's Office and the City Administrator's Office. Dissemination of information shall be done as often as necessary and is subject to the approval, direction and supervision of the City Disaster Risk Reduction and Management Council.

The BDRRMCs, through the Liga ng mga Barangay, shall be tasked to disseminate this plan to their respective communities. For participation, involvement and implementation of this Contingency Plan, it shall be disseminated to partners, communities and other stakeholders.

UPDATING, REVISION AND TESTING

This process shall be the responsibility of the City Disaster Risk Reduction and Management Office in close coordination with the City Planning and Development Coordinator's Office and the City Administrator's Office under the supervision of the City Disaster Risk Reduction and Management Council.

ANNEXES

ON GOING UPDATING

COUNCIL RESOLUTION 001 SERIES OF 2014

CITY DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

Parañaque City

RESOLUTION NO. 001

Series of 2014

A RESOLUTION ADOPTING THE PARAÑAQUE CITY CONTINGENCY PLAN FOR FLOOD, EARTHQUAKE AND OTHER CALAMITIES

WHEREAS, Section 12(c)(2) of R.A. 10121 otherwise known as the "Philippine Disaster Risk Reduction and Management Act of 2010" provides that the City Disaster Risk Reduction and Management Office (DRRMO) shall facilitate and support risk assessments and contingency planning activities at the local level;

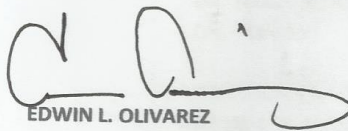
WHEREAS, the presence of a contingency plan will enable the City of Parañaque to respond timely, effectively and appropriately to any potential events or emerging situations that might threaten the society or the environment;

WHEREAS, the Parañaque City Disaster Risk Reduction and Management Council has found the Contingency Plan for Flood, Earthquake and other calamities to be consistent with the intent of R.A. 10121 wherein specific potential disasters that might threaten society or the environment and appropriate responses thereto were clearly identified;

NOW THEREFORE, be it resolved by the Parañaque City Disaster Risk Reduction and Management Council to adopt the Contingency Plan for Flood, Earthquake and Other Calamities for the City of Parañaque.

ADOPTED in the City of Parañaque, Metro Manila, Philippines, this 21st Day of February in the Year of Our Lord, Two Thousand Fourteen.

APPROVED:




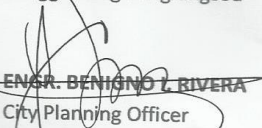
EDWIN L. OLIVAREZ


Chairman

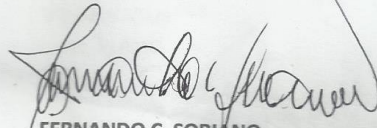
City Disaster Risk Reduction and Management Council


SIGNED:



HON. COUN. RYAN JOHN G. YLLANA
Chairman, Commission on Appropriation
Sangguniang Panglungsod


ENGR. BENIGNO L. RIVERA
City Planning Officer


IMELDA C. VILLARUEL
OIC – City Social Welfare Dev't. Office

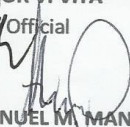

FERNANDO C. SORIANO
City Administrator



DR. OLGA Z. VIRTUSIO
City Health Officer

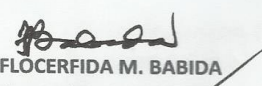

ENGR. ASER MALLARI
OIC – City Engineering Office

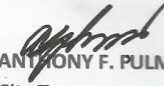
Handwritten signatures and initials in blue and black ink are scattered throughout the document, including a large signature on the left margin and several smaller ones on the right margin.



ARCHT. ELMOR V. VITA
City Building Official

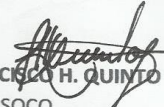

F/SUPT. MANUEL M. MANUEL
City Fire Marshall


DR. NEIL C. ORTEZA
OIC Director – FVBMH



FLO CERFIDA M. BABIDA
City Budget Officer



ANTHONY F. PULMANO
City Treasurer


OFELIA C. CAUNAN
Chief, General Services Office


FRANCISCO H. QUINTO
OIC – SOCO

DR. JOEL T. SAN LUIS
School Division Superintendent, DepEd


RESTITUTO S.P. PAGSISIHAN
OIC – CSU



ENGR. OSCAR FERNANDEZ
Chief, Local Housing Dev't. Office



PHILIPPINE RED CROSS – PARAÑAQUE SUB-CHAPTER
Representative

OLD PARAÑAQUE FIRE VOLUNTEER BRIGADE, INC.
Representative

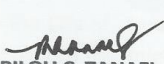

EDGAR PALMIANO
MMDA Action Officer



P/S SUPT. ARIEL LEONOR ANDRADE
Parañaque Chief of Police



HON. JEREMY S. MARQUEZ
LnB President

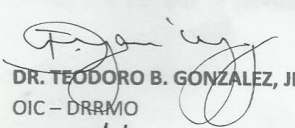

MARCO A.G. CABUEÑOS, JR.
City Director, DILG


NILO J. GERMEDIA
City Agricultural Officer

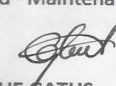

MARILOU C. TANAEL
City Accountant

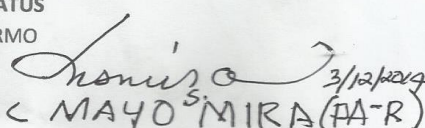

BERNARDO N. AMURAO
OIC – SWEASO


EVANGELINE T. NONO
OIC – Public Information Office


DR. TEODORO B. GONZALEZ, JR.
OIC – DRRMO


ENGR. ARMANDO ARSENIIO
Head - Maintenance

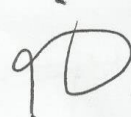

WILLIE GATUS
Chief, PLRMO


LTCOL MAYO MIRA (A-R)
3/12/2019
5th BATTALION ARMY RESERVE RELIEF AND
RESCUE TEAM ASSN.
Representative

KNIGHTS OF COLUMBUS DON GALO COUNCIL
5688
Representative

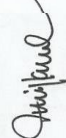












WEATHER DISTURBANCES – WARNING AND ACTION TO BE TAKEN

Tropical Cyclone, Thunderstorm warning and Rainfall warnings are issued by PAGASA each warning advices on the precautionary measures that the public should take. This will also serve as a guideline for the activation of the alert city of the city. These meteorological warning systems are described below.

THE PHILIPPINE PUBLIC STORM WARNING SIGNALS

PUBLIC STORM WARNING SIGNAL #1		
<p>METEOROLOGICAL CONDITIONS:</p> <ol style="list-style-type: none"> 1. A tropical cyclone will affect the locality 2. Winds of 30-60kph may be expected 36 hours or intermittent rains may be expected within 36 hours 	<p>IMPACT OF THE WINDS:</p> <ol style="list-style-type: none"> 1. Twigs and branches of small trees may be broken 2. Some banana plants may be tilted or downed 3. Some houses of very light materials (nipa and cogon) may be partially unroofed 4. Unless this warning signal is upgraded during the entire existence of the tropical cyclone only very light or no damage at all may be sustained by the exposed communities. 5. Rice crop, however, may suffer significant damage its is flowering stage 	<p>PRECAUTIONARY MEASURES:</p> <ol style="list-style-type: none"> 1. When tropical cyclone is strong or is intensifying and moving closer, this signal may be upgraded to PSW higher signal 2. The waves on coastal waters may gradually develop and become bigger and higher 3. People are advised to monitor weather conditions every 6 hours. Business may be carried out as usual except when flood occurs 4. <i>DRRM is activated to Alert Status</i>
PUBLIC STORM WARNING SIGNAL #2		
<p>METEOROLOGICAL CONDITIONS:</p> <ol style="list-style-type: none"> 1. A tropical cyclone will affect the locality 2. Winds of greater than 60kph and up to 100kph may be expected in at least 24 hours 	<p>IMPACT OF THE WINDS:</p> <ol style="list-style-type: none"> 1. Some coconut trees may be tilted with few others broken 2. Few big trees may be uprooted 3. Many banana plants may be downed 4. Rice and corn may be adversely affected 5. Large number of nipa and cogon houses may be partially/totally unroofed 6. Some galvanized iron roofings may be peeled off 7. Winds may bring light to moderate damage to exposed communities 	<p>PRECAUTIONARY MEASURES:</p> <ol style="list-style-type: none"> 1. Sea and coastal waters are dangerous to small seacrafts 2. Special attention should be given to the latest position the direction and speed of movement and the intensity of the storm as it may intensify and moves toward the locality 3. The general public especially people travelling by sea and air are cautioned to avoid unnecessary risks 4. Outdoor activities of children should be postponed 5. Secure properties before signal is upgraded 6. <i>DRRM agencies/organizations are in action to alert their communities</i>
PUBLIC STORM WARNING SIGNAL #3		
<p>METEOROLOGICAL CONDITIONS:</p> <ol style="list-style-type: none"> 1. A tropical cyclone 	<p>IMPACT OF THE WINDS:</p> <ol style="list-style-type: none"> 1. Many coconut trees may be broken or destroyed 2. Almost all banana plants may be 	<p>PRECAUTIONARY MEASURES:</p> <ol style="list-style-type: none"> 1. The disturbance is dangerous to communities threatened/affected 2. The sea and coastal waters will be very

- will affect the locality
- Winds of greater than 100kph and up to 185kph may be expected in at least 18 hours

- downed and a large number of trees may be uprooted
- Rice and corn crops may suffer heavy losses
 - Majority of nipa and cogon houses may be unroofed or destroyed and there may be considerable damage to structures of light to medium construction
 - Moderate to heavy damage may be experienced particularly in the agricultural and industrial sectors

- dangerous to all seacrafts.
- Travel is very risky especially by sea and air
 - People are advised to seek shelter in strong buildings, evacuate low-lying areas and to stay away from the coasts and river banks
 - Watch out for passage of the “eye” of the typhoon indicated by the sudden occurrence of fair weather immediately after very bad weather with very strong winds coming generally from the north
 - When the “eye” of the typhoon hit the community do not venture away from the safe shelter because after one or two hours the worst weather will resume with the very strong winds coming from the south
 - Classes in all levels should be suspended and children should stay in the safety of strong buildings
 - DRRM agencies/organizations are in action with appropriate response to actual emergency***

PUBLIC STORM WARNING SIGNAL #4

METEOROLOGICAL CONDITIONS:

- A very intense typhoon will affect the locality
- Very strong winds of more than 185 kph may be expected at least 12 hours

IMPACT OF THE WINDS:











- Coconut plantation may suffer extensive damage
- Many large trees may be uprooted
- Rice and corn plantation may suffer severe losses
- Many residential and institutional buildings of mixed construction may be severely damaged
- Electrical power distribution and communication services may be severely disrupted
- Damage to affected communities can be very heavy

PRECAUTIONARY MEASURES:

- Situation is potentially very destructive to the community
- All travels and outdoor activities should be cancelled
- Evacuation to safer shelters should be completed since it may be too late under this condition
- The locality is very likely to be hit directly by the eye of the typhoon. As the eye of the typhoon approaches, the weather will continuously worsen with the winds increasing to its strongest coming generally from the north. Then a sudden improvement of the weather with light winds (lull) will be expected. This means that the eye of the typhoon is over the locality. This improved weather may last for one to two hours depending on the diameter of the eye and the speed of movement. As the eye moves out of the locality, the worst weather experienced before the lull will suddenly commence, very strong winds generally from the south
- DRRMC concerned and other response agencies/organizations are now fully responding to emergencies and in full readiness to immediately respond to possible calamity***

PAG-ASA HEAVY RAINFALL WARNING CODE

RAINFALL ADVISORIES, CLASSIFICATION, AND MEASUREMENT

COLOR-CODED RAINFALL ADVISORIES AND CLASSIFICATION		RAIN MEASUREMENT		FLOOD POSSIBILITY	RESPONSE
RED RAINFALL ADVISORY	 TORRENTIAL	MORE THAN 30mm RAIN observed in 1 hour and expected to continue in the next 2 hours	=  80L 80L 8 gallons per square meter/hour	Serious Flooding expected in low lying areas	EVACUATION
ORANGE RAINFALL ADVISORY	 INTENSE	15-30mm RAIN observed in 1 hour and expected to continue in the next 2 hours	=  40L 4 to 8 gallons per square meter/hour	Flooding is threatening	ALERT for possible evacuation
YELLOW RAINFALL ADVISORY	 HEAVY	7.5-15mm RAIN observed in 1 hour and expected to continue in the next 2 hours	=  20L 2 gallons per square meter/hour	Flooding is possible	MONITOR the weather condition
	 MODERATE	2.5 - 7.5mm RAIN observed in 1 hour and expected to continue in the next 2 hours	=  2.5L 2.5 liters per square meter/hour to 7.5 liters per square meter/hour	(Flooding still possible in certain areas)	
	 LIGHT	LESS THAN 2.5 mm RAIN observed in 1 hour and expected to continue in the next 2 hours	=  up to 2.5L 2.5 liters per square meter/hour		

ON GOING

BARANGAY DRRM FOCAL PERSONS DIRECTORY

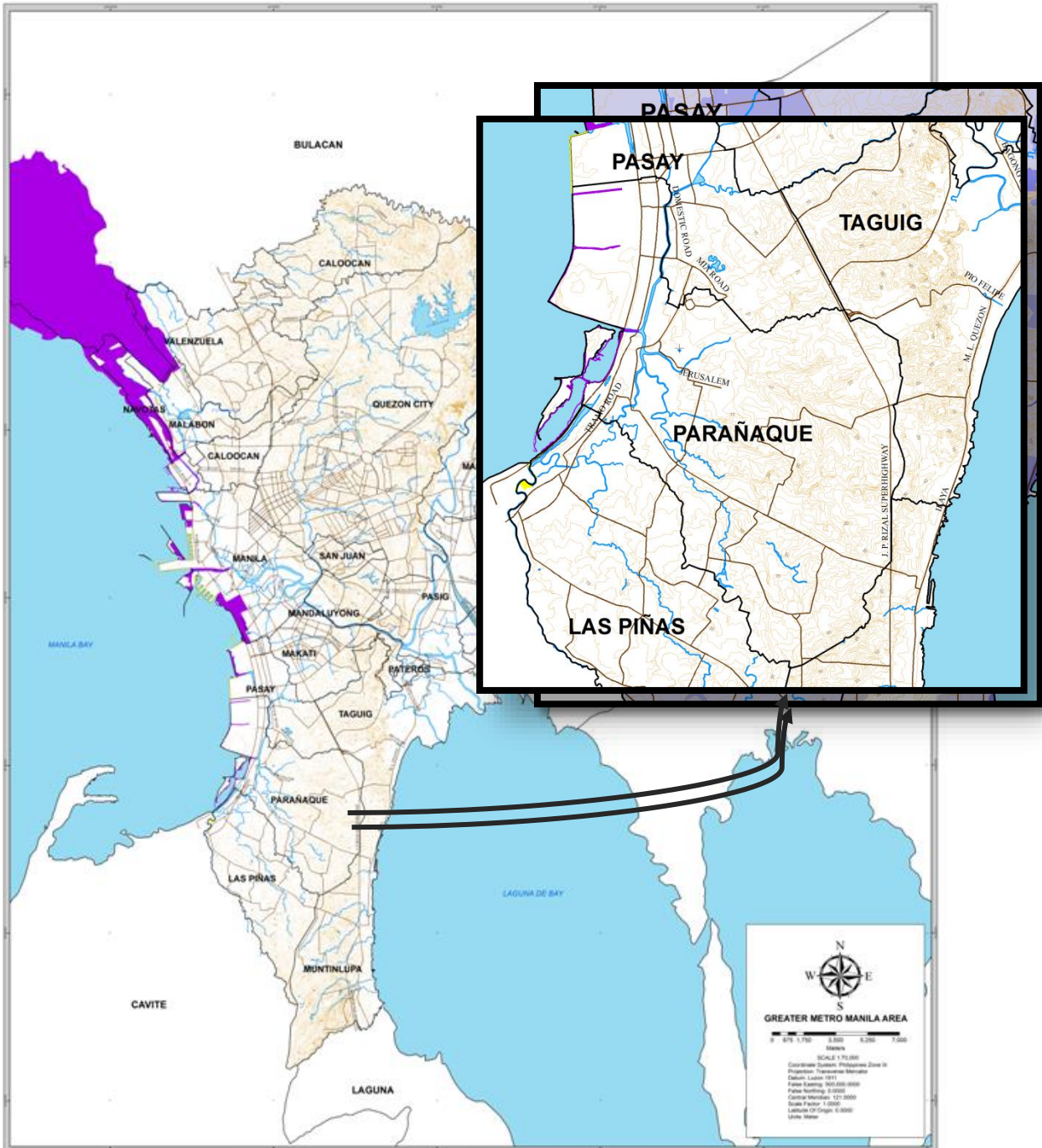
BARANGAY EMERGENCY HOTLINES

BARANGAY	CHAIRMAN	TEL. NO.
DISTRICT 1		
Baclaran	Dulio B. Cailles	8311052/8540906
Tambo	Godofredo B. De Leon	8528712/8532065
Don Galo	Michael Philip C. Factor	8529869
Sto . Niño	Johnny C. Co	8520128
La Huerta	Peter Augustine N. Velasco	8296152
San Dionisio	Pablo R. Olivarez	8262175/8256610
San Isidro	Euseblo J. Japlos	7880530/7880531
Vitalez	Alexander C. Alvarez	8510078/8524042
DISTRICT II		
San Antonio	Jose D. Sanchez	8253520/8298292
BF Homes	Jeremy S. Marquez	8424682
Don Bosco	Victor D. Villar, Jr.	8241704/8223278
Marcelo Green	Christopher V. Aguilar	8239429/8210735
Merville	Alicia R. Benson	8221592/8221593
Moonwalk	Carlito D. Antipuesto	8211951
Sun Valley	Daniel S. Santos	8230230/8214143
San Martin de Porres	Michael Thor C. Singson	5452814/5452906

BARANGAY	NAME	DESIGNATION	TEL.NO./CP NO.
Baclaran	JONJON ESPIRITU	BRGY. KAGAWAD	09991540137
BF Homes	REY CASANOVA	BRGY.KAGAWAD	09183751164
Don Bosco	BONG LUNA	BRGY.KAGAWAD	09054927047
Don Galo	EDITHA U. JIMENEZ	BRGY.KAGAWAD	09178911841
La Huerta	GERRY ANTHONY CRUZ	BRGY.KAGAWAD	09151802561
Marcelo Green	CRISTINA BELTRAN	BRGY.KAGAWAD	09212737980
Merville	NESLIE MISE	BRGY.SECRETARY	09192192394
Moonwalk	FRANCIS SALUDAR BENYO	BRGY.SECRETARY	09256080098
San Antonio	CARLA DELIMA	BRGY.KAGAWAD	09178254659
San Dionisio	RUDY SANTOS	BRGY.KAGAWAD	09081222087
San Isidro	NOEL J. JAPLOS	BRGY.KAGAWAD	09276155222/6975897
San Martin	MITHOR SINGSON	BRGY.CAPTAIN	09178190776
Sto. Niño	MULONG VALENZUELA	BRGY.KAGAWAD	09178798016
Sun Valley	DAVID S.SANTOS	PB	09175311952
Tambo	PING GAWITE	BRGY.SECRETARY	09328492188
Vitalez	LAMBERTO S.S FELICIANO	BRGY.KAGAWAD	09194478084/5427133

HAZARD MAPS

▲ **READY FOR GMMA PROJECT : PRELIMINARY STORM SURGE HAZARD MAP OF METRO MANILA**



<p>Disclaimer: Administrative boundaries are approximate.</p>	<ul style="list-style-type: none"> ■ Inundations of +4m to 12m, surges ■ Inundations of +1m to 4m, surges ■ Inundations of 1m, surges 	<p>The inundation coverage is estimated based on geomorphologic analysis and observation in the areas during interviews/surveys. The surge heights are computed using the data gathered during surveys in reference to the significant tropical cyclone occurrences and from storm surge model results.</p> <p>The classification of tropical cyclone considered in the analysis are Tropical Storms with maximum winds from 84 KPH to 117 KPH and Typhoon with maximum winds greater than 117 KPH.</p> <p>The surge heights and inundation delineated on the map are determined mainly from the observed data. Model results are used for analysis and checking only.</p>	
<p>Legend:</p> <ul style="list-style-type: none"> — City Boundary — Contour — Road — Rivers — Water Bodies 			

MAP OF PARAÑAQUE CITY

Road Network

Drawn not to scale

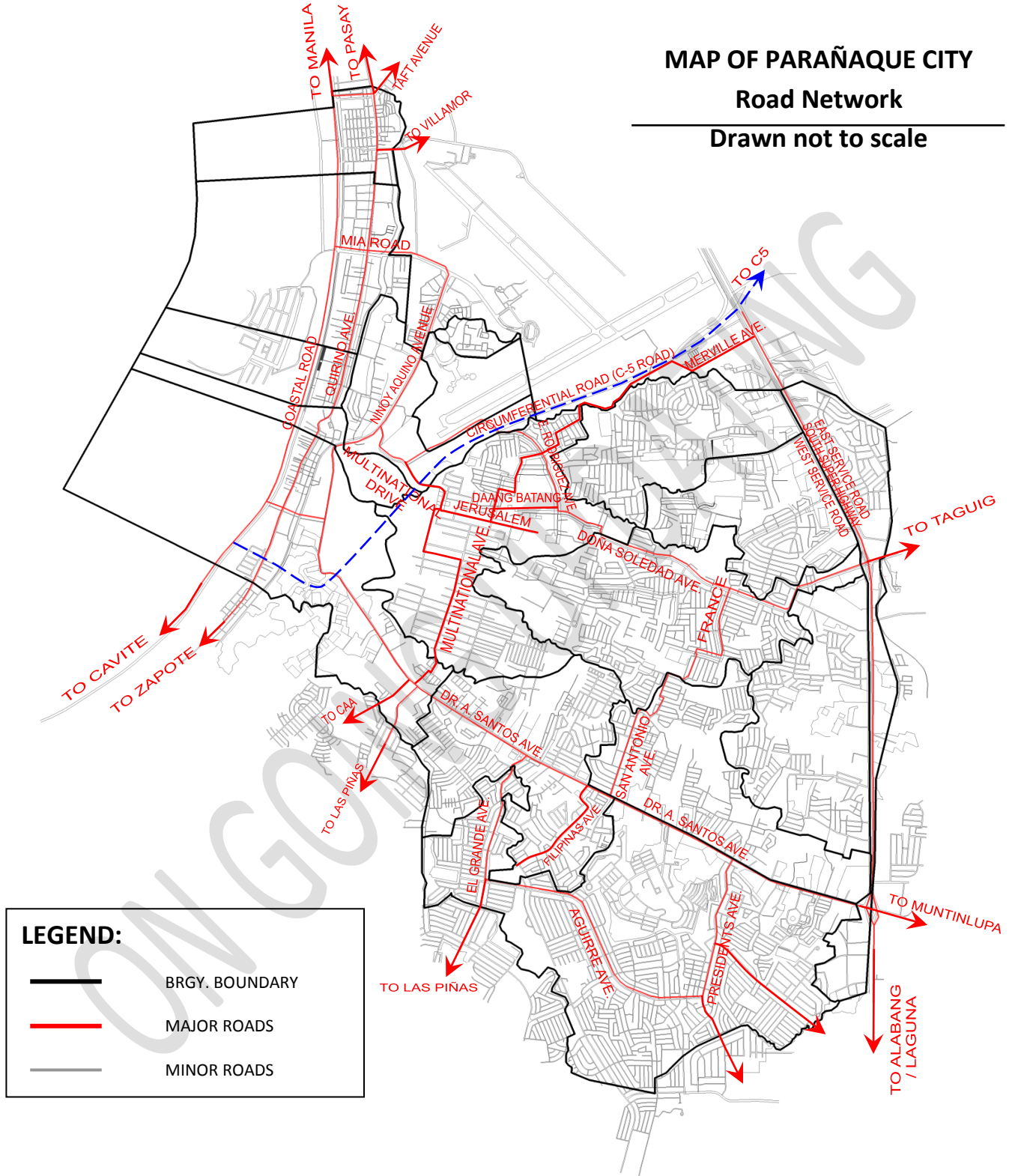


PHOTO DOCUMENTATION

FORMULATION - ONE TAGAY TAY PLACE, TAGAYTAY CITY, OCTOBER 8-12, 2012



RESOURCE INVENTORY

▪ TRANSPORTATION SECTOR

RESOURCE INVENTORY					
<i>Resources</i>	<i>Unit</i>	<i>Number</i>	<i>Location</i>	<i>Agency</i>	<i>Remarks</i>
Mini Dump truck	unit	16	Barangay	Barangay	Running condition
Isuzu Built-in Truck 6 Wheeler	unit	2	City Hall	SWAESO	-do-
Bus	unit	6	City Hall	Engineering	-do-
		2	City Hall	LGU	
Other Transport Resources:					
<i>Description</i>	<i>Quantity</i>	<i>Description</i>	<i>Quantity</i>		
Mobile Clinic	1	Hi-Lander Crosswind	2		
Toyota Corolla	30	Ceres Fire Truck	3		
Toyota Revo	10	Mini Dump Truck	8		
Toyota Sedan	1	Isuzu 6 wheeler	1		
Toyota Altis	12	Towing Truck	1		
Toyota Tamaraw – Revo	1	Kia Ceres Dump Truck	8		
Toyota Tamaraw	1	Isuzu Elf	1		
Toyota Tamaraw Wagon	2	ANFRA	2		
Toyota Hi-Ace	1	Canter FE	1		
Kia Pride	6	Isuzu Fire Truck	6		
Kia Pregio	2	Water Tanker	2		
Kia Besta	9	Lifan Motorcycle w/ sidecar	3		
Kia Besta Ambulance	2	Canter Fire Truck	1		
Paramedic Ambulance	1	Isuzu Tanker	4		
Mitsubishi L-300 Ambulance	10	Isuzu Airlift	1		
Coaster Van	1	Toyota Vios	21		
Honda Civic	2	Komatsu Backhoe Loader	2		
Mazda	12	Vibrator Roller	1		
Mazda Pick-up	1	Komatsu Wheel Loader	2		
Kawasaki Motorcycle	38	Bomag Vibrator Roller	1		
Kymco Motorcycle	11	Yamaha Motorcycle w/ sidecar	69		
Honda Motorcycle	27	Motorcycle	13		
Yamaha Motorcycle	1	Hyundai Starex	1		
Suzuki Motorcycle	11	Compactor	1		
Veloci Motorcycle	2	Dump Truck No. 14	1		
Suzuki/Enforcer Multicab	70	Komatsu Vibrator Roller	1		
Hi-Ace Grandia	1	Hyundai Grace Van	1		
Isuzu Bus	2	Garbage Dump Truck	7		
Isuzu Crosswind	15	Motorbike	5		
Lift-up Vehicle	4	Toyota Innova	24		
Manlift Truck	2	Yamaha Wonderbike	12		
Foton Gordox	2	L-300 Ambush Type	5		
Hyundai UV	36				

▪ **SECURITY SECTOR**

RESOURCE INVENTORY					
<i>Resources</i>	<i>Unit</i>	<i>Number</i>	<i>Location</i>	<i>Agency</i>	<i>Remarks</i>
Personnel	Policeman	355	Police Precincts		Ready
Kawasaki Motorcycles	unit	57	Police Precincts		Running condition
Suzuki Multicab	unit	7	Police Precincts		-do-
Honda Motorcycle	unit	14	Police Dept.		-do-
Toyota Corolla	unit	4	Police Dept.		-do-
Kia Pride	unit	2	MASCO		-do-
Yamaha YBR	unit	12			New

POLICE PRECINCTS

<i>PRECINCT</i>	<i>LOCATION</i>	<i>BARANGAY</i>
Police Headquarters	Dr. A. Santos Ave.	Brgy. San Dionisio
Parañaque Community Precinct No. 1	Quirino Ave., corner Taft Ave.	Baclaran
Parañaque Community Precinct No. 2	Quirino Ave., corner M. Rodriguez St.	La Huerta
Parañaque Community Precinct No. 3	#62 Doña Soledad St.	Don Bosco
Parañaque Community Precinct No. 4	Dr. A. Santos Ave., corner Filipinas Ave.	San Isidro
Parañaque Community Precinct No. 5	BF Homes	BF
Parañaque Community Precinct No. 6	South Superhighway	Marcelo Green
Parañaque Community Precinct No. 7	AMVEL Park, N. Aquino Ave.	San Dionisio
Parañaque Community Precinct No. 8	Multinational Ave. cor. N. Aquino Ave.	Sto. Nino

▪ **FIRE SECTOR**

RESOURCE INVENTORY					
<i>Resources</i>	<i>Unit</i>	<i>Number</i>	<i>Location</i>	<i>Agency</i>	<i>Remarks</i>
FMC 127A	unit	1	Central FS	by BFP	Operational
FMC 128B	unit	1	Central FS	-do-	BER *
FMC 130A	unit	1	Central FS		BER
FMC130B	unit	1	Central FS		BER
FMC131A	unit	1	Central FS		BER
Ford Eurostar Ambulance	unit	1	Central FS		Non Opn'l
FMC 129A	unit	1	Central FS		Operational
Patriot 132A	unit	1	BF FS		Operational
FMC 128A	unit	1	Better Living FS		Operational
Isuzu tanker PT03	unit	1	Central FS	by LGU	Non Opn'l
Isuzu tanker PT04	unit	1	Central FS	-do-	Non Opn'l
Isuzu tanker PT04	unit	1	La Huerta FS		Operational
Isuzu tanker PT06	unit	1	Central FS		Operational
Toyota Corolla	unit	1	Chief Ops Officer		Operational
Mitsubishi Canter	unit	1	Central FS		Operational
Yiyang Motorcycle	unit	1	Arson Inv.		Operational
Yiyang Motorcycle	unit	1	Arson Inv.		Operational
Protective Gear	sets	44	Firemen		
* Beyond Economic Repair					

FIRE STATIONS		
<i>Station</i>	<i>Location</i>	<i>Barangay</i>
Central Fire Station	Dr. A. Santos Ave.	San Dionisio
La Huerta Sub-Station #1	Quirino Ave.	La Huerta
BF Homes Fire Sub-Station #2	Elsie Gaches St., Phase 1, BF Subd.	BF
BLS Fire Sub-Station #5	Bermuda St., Annex 40, BLS	Don Bosco
Baclaran Fire Sub-Station #4	Bagong Ilog near Bgy Hall of Baclaran	Baclaran
LPGMA Volunteer Team	Dr. A Santos Ave., near Holy Trinity Chapels	BF

▪ **SEARCH AND RESCUE SECTOR**

RESOURCE INVENTORY	
Manpower	21
TRAINING CAPACITY	No. of TRAINED MANPOWER
Basic/Standard First Aid	20
BLS/CPR	20
Emergency Medical Technician	20
High-Angle Rescue	7
Swift/Flood Water rescue	10
Vehicular Extrication	10
Communications	
Mobile Radio (Kenwood TM - 271A)	3
Portable Handheld Radio (ICOM IC-V8)	15
Vehicles	
Toyota Hi-ace made BLS Ambulance	1
Nissan Made BLS Ambulance	1

RESOURCE INVENTORY						
<i>Resources</i>	<i>Unit</i>	<i>Number</i>	<i>Location</i>	<i>Agency</i>	<i>Remarks</i>	
MEDICAL AND TRAINING EQUIPMENT						
Automated External Defibrillator	unit	2	PERU base	DRRMO	GWC*	
CPR Mannequin (Adult)	unit	3	-do-	-do-	-do-	
CPR Mannequin (Infant)	unit	3				
Intubation Mannequin	unit	1				
Intubation Set	unit	3				
Minor Surgical Set	unit	5				
Bag valve mask (Adult)	unit	3				
Bag valve mask (Pedia)	unit	3				
Oxygen tank with regulator and humidifier set	unit	4				
Cardiac Monitor	unit	1				
Pulse Oximeter	unit	3				
Trauma Burn Pack	unit	2				
CPR packet mask combo/ adult infant	unit	20				
Backpack with first aid kit set	unit	25				
Cadaver Bag	unit	5				

RESCUE AND TRAINING EQUIPMENT

Hydraulic Combtool Set (Weber SPS 400)	unit	1			
Hydraulic Jack (Webber SBA 15/255)	unit	1			
Hydraulic Pump w/engine (Weber)	unit	1			
Hydraulic Jack Regulator (Weber)	unit	1			
Hydraulic Hose extension	unit	1			
Hydraulic Jack (Weber-Manual 5Tonner)	unit	1			
Manual Cutter LKS 30 (Lukas)	unit	1			
Chain Saw	unit	2			
Concrete cutter (Stihl 460)	unit	1			
Metal cutter (Stihl 460)	unit	1			
Electric Twin Saw CRE 2326 (Weber)	unit	1			
Portable Oxy-Acetylene Gas Cutter	unit	2			
Gasoline powered air compressor	unit	2			
Air lifting bag 50 Tonner (MAT JACK)	unit	2			
Air lifting bag 32 Tonner (MAT JACK)	unit	2			
Air lifting bag board	unit	9			
Gas Monitor	unit	1	PERU base	DRRMO	GWC*
Halligan tool with prying & cutting head	unit	2	-do-	-do-	-do-
Fire Axe:					
Small	unit	2			
Big	unit	2			
Shovel:					
Quadrada	unit	2			
Debilo	unit	2			
Sledge hammer (Big)	unit	2			
Electric Drill/Hammer (Big)	unit	2			
Portable Jack Hammer Bosch GBH 2-18RE	unit	1			
Portable Jack Hammer Makita	unit	1			
Vehicular Extrication Toolbox	set	2			
- Seat belt cutter (WEBER)	unit	4			
- Emergency Hammer (SHINEWAY)	unit	4			
- Cable cutter (Stanley)	unit	2			
- Bolt Cutter (ACE)	unit	2			
- 6 pc. Screw Driver set (Stanley)	unit	2			
- Pipe wrench (Stanley)	unit	2			
- Adjustable Wrench 10 " (Stanley)	unit	2			
- Sledge Hammer (small) (Butterfly)	unit	2			
- Cutting Plier (Stanley)	unit	2			
- Long nose Plier (Stanley)	unit	2			
- Groove Joint Plier (Stanley)	unit	2			
- Linesman Plier (Stanley)	unit	2			
- Slip Joint Plier (Stanley)	unit	2			
- Working Gloves (Eagle)	unit	2			
- Eye Protective goggles	unit	2			
- Dust Mask 5's (3M)	unit	2			
Ropes:					
Water rescue rope (7/16" 100m)	unit	2			

Water rescue rope (7/16" 200m)	unit	1			
High Angle Rescue rope(11mm 100m)	unit	1			
High Angle Rescue rope(11mm 100m)	unit	1			
High Angle Rescue rope(10.7mm 200m)	unit	1			
10mm Terypro rope (50m)	unit	6			
10mm Rappel rope (50m)	unit	1			
Sling rope (1m)	unit	22			
Flat webbing rope (1m)	unit	12			
Carabiners:					
Steel	unit	10			
Alloy	unit	12			
Steel Rescue 8	unit	10			
Single Pulley System set	unit	9			
Single Pulley System set (fixed)	unit	2	PERU base	DRRMO	GWC*
Tandem Pulley System set	unit	7	-do-	-do-	-do-
Ascender	unit	4			
Braking descender	unit	4			
Harness (full body)	unit	3			
Rescue Triangle harness	unit	2			
Generator set 2.2 KVA	unit	1			
Emergency Light	unit	10			
Kendrick Extrication Device	unit	2			
Spine Board	unit	3			
Head stabilizer	unit	3			
Scoop Stretcher	unit	2			
Basket Stretcher	unit	1			
Stair Chair	unit	2			
Helmet:					
Swift water/rappel helmet	unit	12			
Extrication/USAR helmet	unit	24			
LED head lamp	unit	12			
Extrication Gloves	unit	20			
Boots:					
Tactical Boots	unit	24			
Swift Water Booties	unit	24			
Personal Floatation Device:					
Type 5	unit	7			
Type 3	unit	56			
Type 1	unit	100			
Throw bag (30m)	unit	10			
Rescue tube	unit	2			
Rescue can	unit	2			
Floating Device:					
Orange Circular Buoy	unit	20			
Tire Interior	unit	10			
Wet suit pants	unit	7			
Rash Guard	unit	7			
Swim Fins	unit	4			

SCUBA set (masks, fins, BCD, O2 tank with regulator)	unit	5
Wet suit-full body	unit	7
Water safety Knives	unit	7
Water Proof Powerbeam Light (Intova)	unit	2
Waterproof LED flashlight (Dorcy)	unit	3

▪ **HEALTH/MEDICAL SECTOR**

RESOURCE INVENTORY					
Resources	Unit	Number	Location	Agency	Remarks
Doctors		21	Health Centers		
Dentist		23	Health Centers		
Nurses		70	Health Centers		
Midwives		46	Health Centers		
Nutritionist		4	Health Centers		
Med Techs		15	Laboratory		
Sanitation Inspectors		29	City Hall		
Other Staff		110	City Hall		
Closed Van		1	City Hall		
Utility Vehicle		1	City Hall		
Car		1	City Hall		
Motorbikes		3	City Hall		

LIST OF PUBLIC AND PRIVATE HOSPITALS
City of Parañaque, CY 2013

Nature	Name	Address
Public	1. Florencio V. Bernabe, Sr. Memorial	
	Hospital (Parañaque Community Hospital)	La Huerta
Private	1. San. Rita de Baclaran Hospital	G.G. Cruz St., Baclaran
	2. Protacio Hospital	Quirino Avenue, Tambo
	3. Parañaque Medical Center (PMC)	Dr. A. Santos Ave., San Antonio
	4. Olivarez General Hospital	San Dionisio
	5. South Superhighway Medical Center	Marcelo Green
	6. Parañaque Doctors Hospital	Don Bosco

▪ **ENGINEERING RECOVERY AND REHABILITATION SECTOR**

RESOURCE INVENTORY					
Resources	Unit	Number	Location	Agency	Remarks
Task Force	persons	30+		Engr. Dept	

Isuzu Airlift	unit	2	City Hall	-do-	Operational
Komatsu Backhoe	unit	1	Motorpool		Operational
Loader	unit	1	Brgy. Don Bosco		Operational
Mini Dump Truck	unit	3	City Hall/		Operational
Dump truck	unit	1	Motorpool		Operational
Multi-Cab (SGU-496)	unit	1	City Hall		Operational
Menzi-Muck Spider (Mobile Walking Excavator)	unit	1	City Hall		Operational
Skidster	unit	1	City Hall		Good Condition
10-Wheeler Dump Truck	unit	3	City Hall		Good Condition

▪ **EVACUATION SECTOR**

OPEN AREAS WITHIN THE CITY

- A. MANILA MEMORIAL PARK
- B. LOYOLA MEMORIAL PARK
- C. AMVEL CITY/EL SHADDAI SHRINE

EDUCATIONAL INSTITUTION

PUBLIC SCHOOLS

DISTRICT I	SCHOOL	LOCATION	BARANGAY
	Dr. Arcadio H.S. (annex)		BF
	La Huerta E.S.	NAIA	La Huerta
	Masville E.S.	Manga Site	BF
	Parañaque Central	Kabihasanan	San Dionisio
	Parañaque E.S. Unit I	Kabihasanan	San Dionisio
	Parañaque E.S. Unit II	Kabihasanan	San Dionisio
	Parañaque E.S. Unit III	4th Estate	San Antonio
	Parañaque National H.S.		San Dionisio
	Parañaque National H.S. (annex)		La Huerta
	Parañaque Science H.S.		San Dionisio
	Parañaque City College of Science & Technology		San Dionisio
	San Antonio E.S. Unit IV	San Antonio Valley1	San Antonio
	Sampaloc Site II E.S.	Sampaloc Site	BF
DISTRICT II			
	Col. E. de Leon E.S.	Multinational Village	Moonwalk
	Don Galo E.S.	J. Gabriel St.	Don Galo
	Dr. Arcadio Santos H.S.		San Martin
	F. Serrano E.S.	Better Living Subdivision	Don Bosco
	Parañaque National H.S. (annex)	Kabihasanan	Don Galo
	San Agustin E.S.	Moonwalk	Moonwalk
	Sto. Niño E.S.	Sto. Niño	Sto. Niño
	R. Gatchalian E.S.	Vitalez	Vitalez

Sun Valley E.S.	FS Sr. Annex	Sun Valley
DISTRICT III		
Baclaran E.S.	Pinaglabanan St.	Baclaran
Baclaran E.S. Unit I	Bagong Ilog St.	Baclaran
Baclaran E.S. Unit II	Santiago St.	Baclaran
Baclaran H.S.		Baclaran
Parañaque National H.S. (annex)		Baclaran
Tambo E.S. Main	Mia Road	Tambo
Tambo E.S. Unit I	C. Santos St.	Tambo
Camp Claudio E.S.	C. Santos St.	Tambo

OTHER FACILITIES

BARANGAY	MULTI-PURPOSE HALL	PARK/PLAZA	PLAYGROUND/SPORTS
San Dionisio	4	5	13
Don Bosco	5	1	19
Sun Valley	6	15	16
Baclaran	0	0	2
Don Galo	1	1	2
Merville	10	13	16
Tambo	1	0	4
Sto. Niño	0	0	2
San Isidro	14	8	8
Vitalez	1	1	2
San Antonio	5	4	20
BF	3	2	1
San Martin de Porres	10	13	16
La Huerta	0	1	0
Marcelo Green	15	7	18
Moonwalk	11	3	12
Total:	86	74	151

Note: Based on 2011 data from DRRMP 2011. These facilities can be used as possible evacuation centers.

▪ HUMAN RELIEF AND REHABILITATION SECTOR

RESOURCE INVENTORY					
Resources	Unit	Number	Location	Agency	Remarks
Service/Multicab	unit	1	City Hall	CSWDO	Functional
Pushcarts (big)	unit	2	City Hall	CSWDO	Functional
Casseroles (big)	unit	5	City Hall	CSWDO	As Needed
Manpower	persons	14	City Hall	CSWDO	As Needed
Heavy duty gas with gas tank	unit	1	City Hall	CSWDO	Ready as needed
Day Care Centers	unit	102	Barangays	LGU	Available
Manpower - Day Care Workers	persons	65	Barangays	LGU	City Gov't Funded
Manpower - Day Care Workers	persons	43	Barangays	LGU	Barangay Funded

MALLS/SUPERMARKETS		
NAME	ADDRESS/LOCATION	BARANGAY
1.SM City Sucat	Dr. A. Santos Avenue, Sucat	San Dionisio
2.SM Bicutan	Doña Soledad Avenue, Bicutan	Don Bosco
3.SM City BF Parañaque	Dr. A. Santos ave. cor. Presidents Avenue	BF Homes
4.SM Hypermarket	Dr. A. Santos Avenue, Sucat	San Isidro
5. Puregold	Ninoy Aquino Avenue	Sto. Niño
6.Puregold	President's Avenue, BF Southpark	BF Homes
7.Puregold	Dr. A. Santos Avenue	San Isidro
8.Puregold Jr.	Dr. A. Santos ave. cor.	San Dionisio
9.Puregold Jr.	Aguirre Avenue cor. Kyoto St.	BF Homes
10.Puregold Jr.	Doña Soledad Avenue	Don Bosco
11.Puregold Jr.	Quirino Avenue cor. Redemptorist Road	Baclaran
12.Robinson Supermarket	Aguirre Avenue	BF Homes
13.Robinsons Supermarket	West Service Road	Merville
14.Super 8 Supermarket	Uniwid Warehouse Club, Dr. A. Santos Ave.	San Isidro
15.Super 8 Supermarket	Quirino Avenue	La Huerta
16.Super 8 Supermarket	Quirino Avenue	Baclaran
17.Shopwise	Soreena Ave., Santana Grove	San Antonio

▪ **COMMUNICATIONS SECTOR**

RESOURCE INVENTORY					
Resources	Unit	Number	Location	Agency	Remarks
Handheld Radio	unit	32	per barangay	LGU	Operational
Nextel Radio	unit	2	City Fire Dept.	BFP	In working condition
Base Radio	unit	1	City Fire Dept.	BFP	In working condition
Desktop computer	unit	4	CIO Office	Pque LGU	for making IEC layouts
Laptop computer	unit	1	CIO Office	Pque LGU	for PP presentations
LCD projector	unit	1	CIO Office	Pque LGU	for PP presentations
video camera	unit	2	CIO Office	Pque LGU	for video documentation
Camera	unit	1	CIO Office	Pque LGU	for photo documentation
television set	unit	2	CIO Office	Pque LGU	for news monitoring
	unit	1	SOCO	LGU	
Motorola VHF	unit	1	SOCO	LGU	
Motorola UHF	unit	1	SOCO	LGU	
Fax Machine	unit	1	SOCO	LGU	
Telephone	unit	2	SOCO	LGU	
RESOURCE INVENTORY					
Resources	Unit	Number	Location	Agency	Remarks
Handheld Radio	unit	32	per barangay	LGU	Operational
Nextel Radio	unit	2	City Fire Dept.	BFP	In working condition
Base Radio	unit	1	City Fire Dept.	BFP	In working condition
Desktop computer	unit	4	CIO Office	Pque LGU	for making IEC layouts

Laptop computer	unit	1	CIO Office	Pque LGU	for PP presentations
LCD projector	unit	1	CIO Office	Pque LGU	for PP presentations
video camera	unit	2	CIO Office	Pque LGU	for video documentation
Camera	unit	1	CIO Office	Pque LGU	for photo documentation
television set	unit	2	CIO Office	Pque LGU	for news monitoring
	unit	1	SOCO	LGU	
Motorola VHF	unit	1	SOCO	LGU	
Motorola UHF	unit	1	SOCO	LGU	
Fax Machine	unit	1	SOCO	LGU	
Telephone	unit	2	SOCO	LGU	

ON GOING UPDATING

PAGE 2		General Information						
#	Evacuation Center Name (Address)	Area	Relief and Distribution Staff	Medical Staff	Doctors	Nurses	Rescue Personnel	Security Staff
19	Perville Covered Court (207 Bagong Buhay St.)		Y	—	—	—	—	—
MARCELO GREEN								
20	Marcelo Green Vill. Covered Court (Marcelo Green Ave MGV)	400 pax	Y 10	Y	Y 1	Y 4	Y 30	Y
21	UPS-IV Covered Court (Waling 2 St. UPS-IV)		Y 10	Y	Y 1	Y 4	Y 30	Y
22	Severina Diamond Km.18 Covered Court	300 pax	Y 10	Y	Y 1	Y 4	Y 30	Y
MERVILLE								
23	Knights of Columbus Center (Madrid St., Merville Park)	50 fam	Y 10	Y	Y 1	Y 2	Y 3	Y
24	Barangay Merville Hall (Daly Rd. South Admiral Vill.)	100 fam	Y 20	Y	Y 2	Y 4	Y 6	Y
MOONWALK								
25	Barangay Hall (Armstrong Ave. cor Glenn St.)	500 sqm	Y 40	Y	Y on call	Y on call	Y	Y
26	San Agustin Elem. Sch. (San Agustin Village)	1000 sqm	Y 20	Y on call	Y on call	Y on call	Y	Y
27	Col. E. De Leon Elem. Sch. (Multinational Ave.)	700 sqm	Y 40	Y	Y on call	Y on call	Y	Y 5
28	Multinational Vill. Gym (Judea St. Multinational Vill)	700 sqm	Y 20	Y on call	Y on call	Y on call	Y 10	Y 5
29	ROMVI Gym (Glenn St. Phsse 2)	500 sqm	Y	Y on call	Y on call	Y on call	Y 20	Y 5
30	PHIRMA Gym (Armstrong Ave. Phase 4)	300 sqm	Y 15	Y on call	Y on call	Y on call	Y 10	Y 5
31	Scarlet Golezeum (E. Rodriguez Ave.)	400 sqm	Y 20	Y on call	Y on call	Y on call	Y 10	Y 5
SAN ANTONIO								
32	San Antonio Elem. Sch. (Sta. Lucia)	3000 pax	Y	Y	Y	Y	Y	Y
33	San Antonio Valley I Gym Sta. Lucia	1000 pax	Y	Y	Y	Y	Y	Y
34	Golozeums & Covered Courts (Various Areas)		Y	Y	Y	Y	Y	Y
35	Fourth Estate Elem. Sch. (Fame St.)	3000 pax	Y	Y	Y	Y	Y	Y
SAN DIONISIO								
36	San Dionisio Gym (P. Burgos St.)	300 fam	Y 5	Y	Y	Y	Y	Y

PAGE 3		General Information						
#	Evacuation Center Name (Address)	Area	Relief and Distribution Staff	Medical Staff	Doctors	Nurses	Rescue Personnel	Security Staff
SAN ISIDRO								
37	Knights of Columbus Hall (Mary Queen of Apostles Parish SAV-6)		Y	—	—	—	Y	—
38	Silverio Gym (Purok 4)		Y	—	—	—	Y	—
39	Knights of Columbus (SAV-6)		Y	—	—	—	Y	—
SAN MARTIN DE PORRES								
40	Dr. Arcadio Santos Nat'l HS (KM 15 East Service Rd.)	528 sqm	Y 5	Y 2	Y 1	Y 1	Y 2	Y 4
41	Brgy. Health Center/Birthing (KM 15 East Service Rd.)		Y	Y 14	Y 1	Y 2	Y 10	N
STO. NINO								
42	Sto. Nino Elem. Sch. Col. E. De Leon St. cor J. P. Rizal St.	200 sqm	Y 20	Y 12	Y 1	Y 1	Y 15	Y 5
SUN VALLEY								
43	Day Care Centers (4156 Sampaquita St.)		Y 80	Y	Y 2	Y 2	Y 39	Y 35
44	Golezeum (4156 Sampaquita St.)		Y 80	Y	Y 2	Y 2	Y 39	Y 35
45	HS Bldg (4156 Sampaquita St.)	1000 fam	Y 80	Y	Y 2	Y 2	Y 39	Y 35
TAMBO								
46	Tambo Elem. Sch. Main (Quirino Ave. Cor Mia Rd)	1500	Y 25	Y 10	Y 2	Y 4	Y 50	Y 20
VITALEZ								
47	Brgy. Gymnasium (Gena St. Airport Village)	100 fam	Y 20	Y 9	Y 1	Y 1	Y 8	Y 17
48	R.G.Gatchalian Elem. Sch. (Gat-Mendoza)	700 sqm	Y 10	N	N	N	Y	Y 4
49	Airport Village Park (Gena St. Airport Village)	1000 sqm	—	—	—	—	—	—