



Republic of the Philippines
Department of Education
National Capital Region

DIVISION OF CITY SCHOOLS

San Francisco High School Compound, Misamis St.
Bago Bantay, Quezon City



August 03, 2010

MEMORANDUM TO:

**Asst. Schools Division Superintendents
Division / District Supervisors
Elementary / Secondary School Principals
Head Teachers and Teachers In - Charge**

1. Attached is a Memorandum from Rolando P. Montiel, City Government Head III, Office of City Mayor – Quezon City dated July 26, 2010 Re: Informational Flyers on Disaster Consciousness with a theme: "Pag Alerto, Malayo sa Peligro" entitled: "Tamang Kaalaman ay Kahandaan", and its enclosure, the contents of which are self explanatory.
2. Immediate and wide dissemination of this Memorandum is desired.

CORAZON C. RUBIO, CESO VI

Asst. Schools Division Superintendent

Officer-in-Charge

OFFICE OF THE SCHOOLS DIVISION SUPERINTENDENT



Republika ng Pilipinas
Lungsod ng Quezon
Kagawaran ng Lingkurang Panlahat
(GENERAL SERVICES DEPARTMENT)



DCS-QUEZON CITY
RECEIVED
JUL 30 2010
BY :
RECORDS SECTION

MEMORANDUM

FOR

THE HONORABLE VICE MAYOR
THE HONORABLE CITY COUNCILORS
ALL DEPARTMENT HEADS
AND CHIEFS OF OFFICES

ALL OF THIS CITY

SUBJECT

INFORMATIONAL FLYERS
ON DISASTER CONSCIOUSNESS

DATE

JULY 26, 2010

In line with the National Disaster Consciousness Month's theme: "Pag Alerto, Malayo sa Peligro" we respectfully furnish you the herein attached flyers entitled "Tamang Kaalaman ay Kahandaan" from the Quezon City Disaster Risk Reduction and Management Council (QCDRRMC) for your information and dissemination.

Please be guided accordingly.


ROLANDO P. MONTIEL
City Government Department Head III

Cc: Hon. Herbert M. Bautista, MPA, MNSA
City Mayor

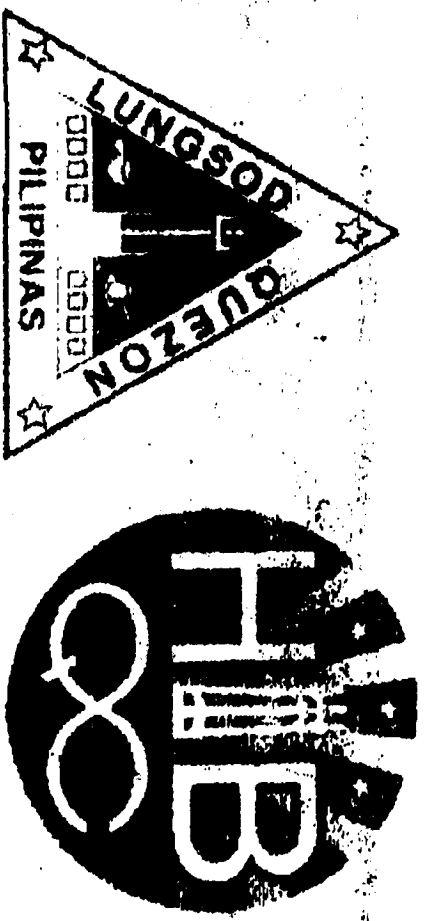
This City

VISION : The General Services Department envisions itself to be a Quality Community within the Quezon City Government by delivering responsive and quality general services through committed, service-oriented and technologically advanced personnel.

MISSION : We provide the delivery of general services to the Quezon City Government and its constituents that are:
EFFECTIVE, EFFICIENT and ECONOMICAL.

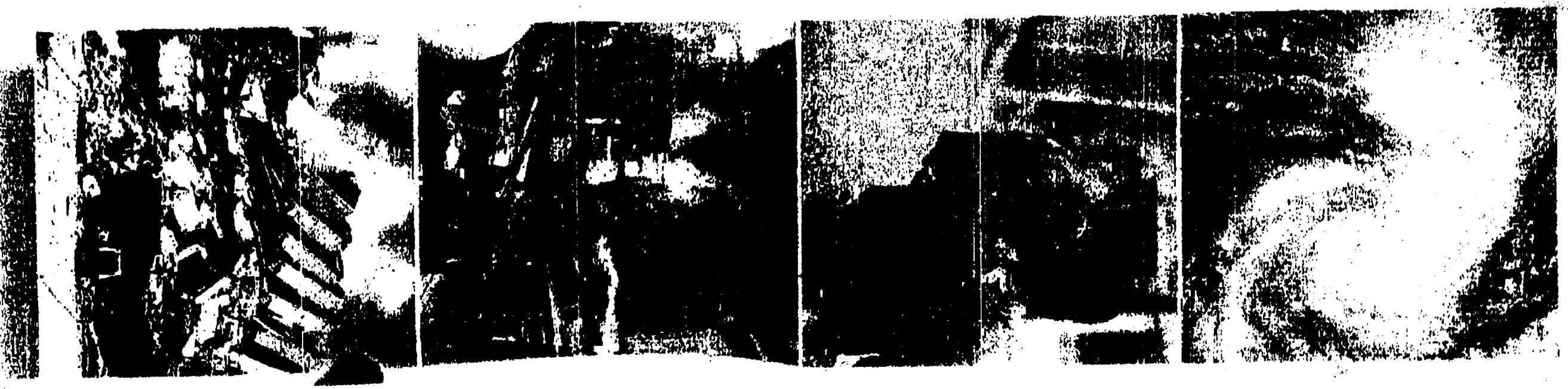
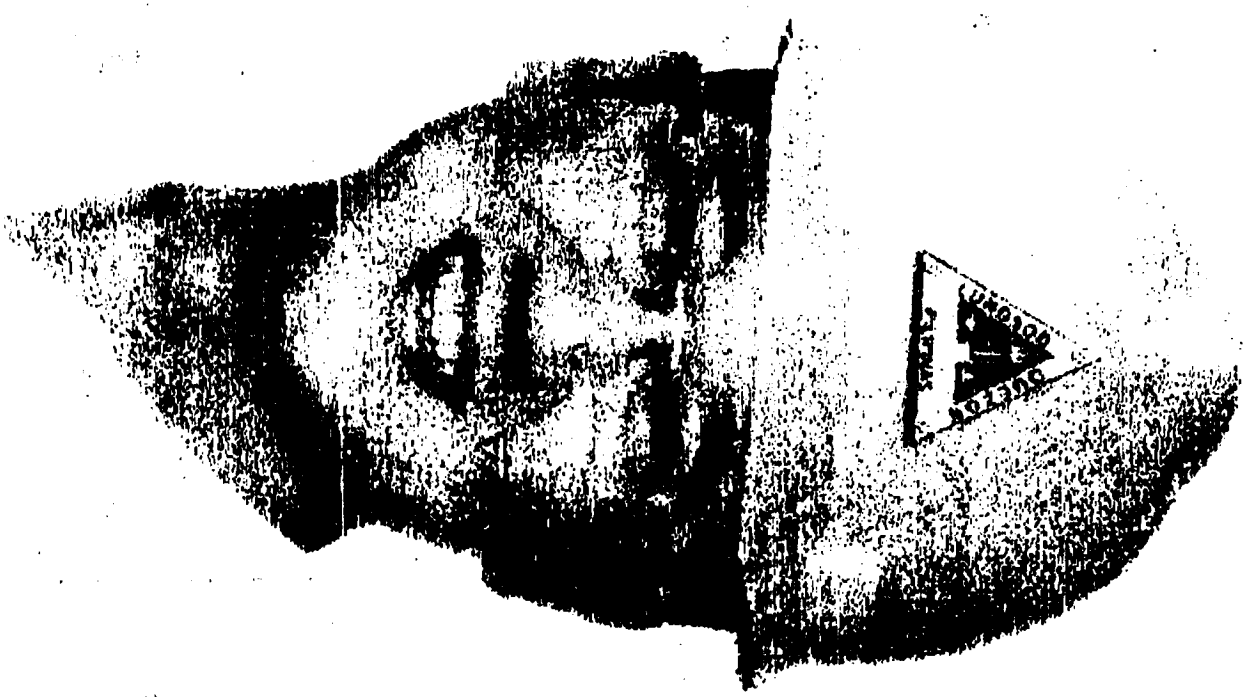
EMERGENCY CONTACT NUMBER	MGA DAPAT TANDAAN:																								
• PATROL 117 • QC CENTRAL POLICE DISTRICT 927-4444 / 920-1378 FAX 928-3632 / 436-5628 436 - 5632 • QCPD STATIONS <table border="0"> <tr><td>STN 1 - LA LOMA</td><td>712-5757</td></tr> <tr><td>STN 2 - BALER</td><td>376-1725</td></tr> <tr><td>STN 3 - TALIPAPA</td><td>937-1703</td></tr> <tr><td>STN 4 - NOVA</td><td>936-3624</td></tr> <tr><td>STN 5 - LAGRO</td><td>935-4941</td></tr> <tr><td>STN 6 - B. HILLS</td><td>931-6470</td></tr> <tr><td>STN 7 - CUBAO</td><td>723-0290</td></tr> <tr><td>STN 8 - PROJECT 4</td><td>913-9893</td></tr> <tr><td>STN 9 - ANONAS</td><td>434-3687</td></tr> <tr><td>STN 10-KAMUNING</td><td>924-1025</td></tr> <tr><td>STN 11- GALAS</td><td>712-3280</td></tr> <tr><td>STN 12- LIBIS</td><td>439- 4416</td></tr> </table> • QC FIRE DEPT. 928-8363	STN 1 - LA LOMA	712-5757	STN 2 - BALER	376-1725	STN 3 - TALIPAPA	937-1703	STN 4 - NOVA	936-3624	STN 5 - LAGRO	935-4941	STN 6 - B. HILLS	931-6470	STN 7 - CUBAO	723-0290	STN 8 - PROJECT 4	913-9893	STN 9 - ANONAS	434-3687	STN 10-KAMUNING	924-1025	STN 11- GALAS	712-3280	STN 12- LIBIS	439- 4416	 MAGHANDA LAGI NG FIRST AID KIT. MAG-IMBAK NG SAPAT NA PAGKAIN AT INUM. MAGHANDA NG KANDILA POSPORA. BATERYA AT FLASHLIGHT QCDRRMC CHAIRMAN - CITY MAYOR VICE CHAIRMEN - CITY VICE MAYOR - CITY ADMINISTRATOR ACTION OFFICER - HEAD, DPOS SECRETARIAT - DPOS MEMBERS: CITY TREASURER'S OFFICE CITY BUDGET OFFICE CITY ACCOUNTING DEPARTMENT CITY ENGINEERING DEPARTMENT CITY HEALTH DEPARTMENT CITY BUILDING OFFICIAL SOCIAL SERVICES DEVELOPMENT DEPT. GENERAL SERVICES DEPARTMENT URBAN POOR AFFAIRS OFFICE QUEZON CITY POLICE DISTRICT QC BUREAU OF FIRE PROTECTION CITY PLANNING AND DEVELOPMENT OFC. PARKS DEVELOPMENT & ADMIN. COMMUNITY RELATIONS OFFICE PUBLIC AFFAIRS INFORMATION SERVICE OFC. ENVIRONMENTAL PROTECTION & WASTE MANAGEMENT DIVISON CITY RELATIONS OFFICE GENDER & DEVELOPMENT OFFICE 142 BARANGAYS
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STN 12- LIBIS	439- 4416																								
(QCDRRMC) 24 HOURS OPERATION CENTER RADIO COMM. SERVICE (SIERRA BASE) 922-3230 / 922-3227 / 922-8656 DPOS OPERATION CENTER (SPIDER BASE) 921-0057 TELEFAX / 921-1063 DISASTER CONTROL DIVISION																									

Key: 922-1111 924-2027 =



**QUEZON CITY
DISASTER RISK
REDUCTION &
MANAGEMENT
COUNCIL (QCDRRMC)**

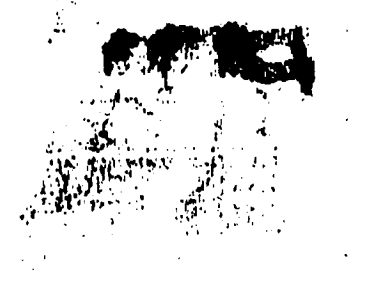
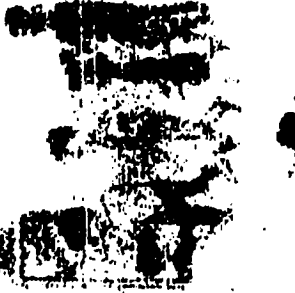
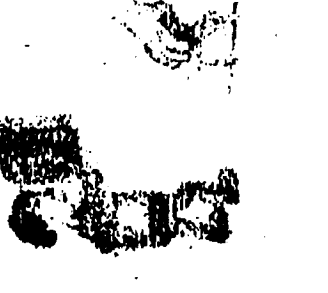
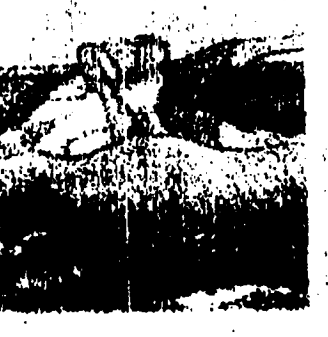
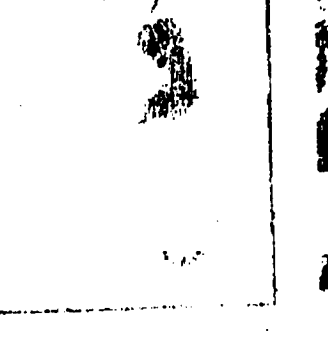
**"TAMANG KAALAMAN
AY KAHANDAAN"**



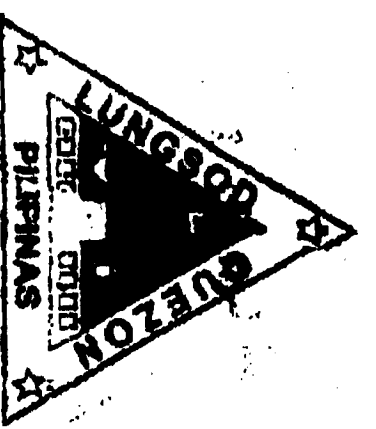
BAGYO/BAHA

SUNOG

INDOL

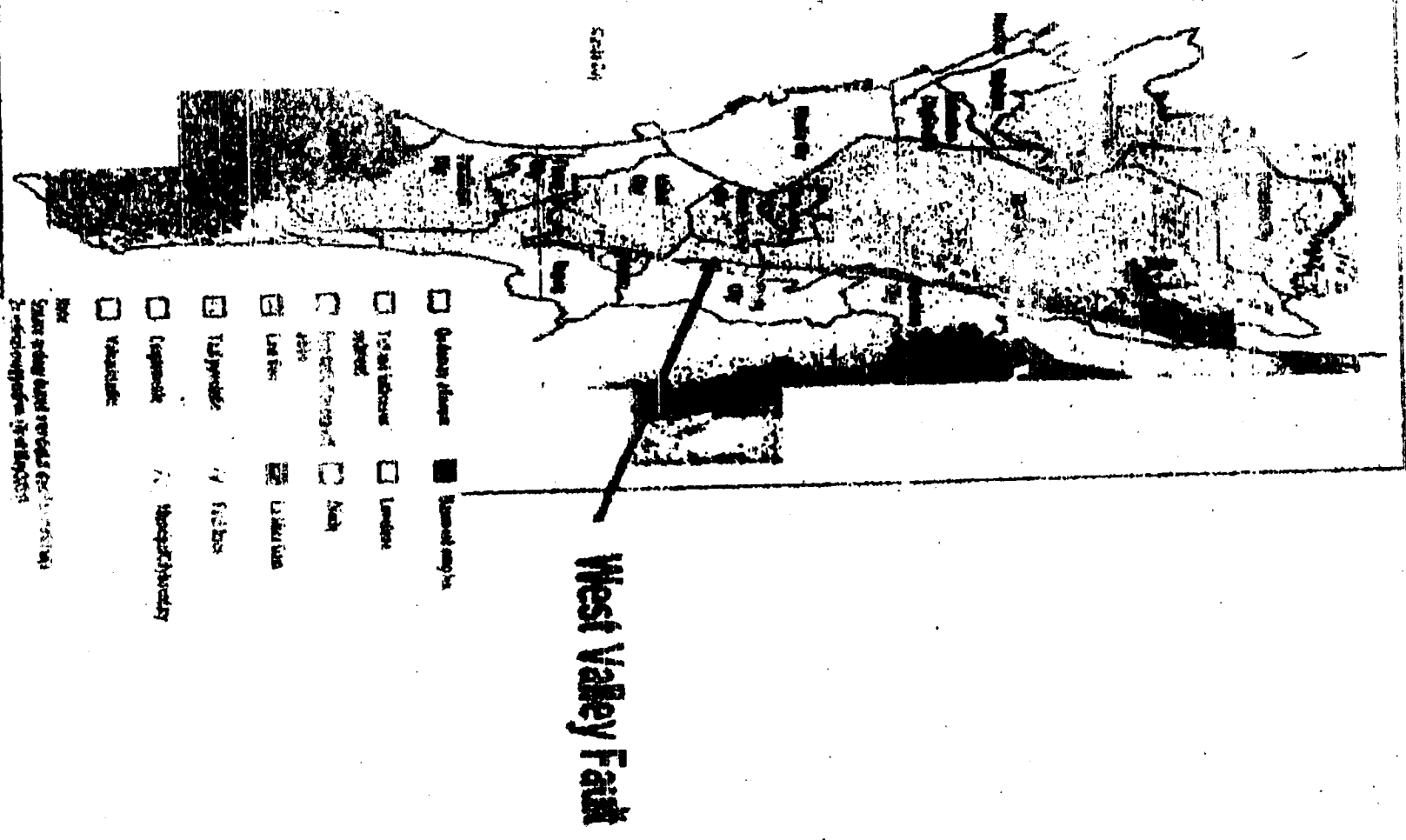
 MAGPLANO AT TANDAAN ANG MGA LUGAR NA LIGTAS AT MAHINA	 ITALI ANG MGA GAMIT NA MADALING MATUMBA	 MAG ORGANISA AT SUMALI SA FIRE BRIGADE	 MAGING SERBYOSO AT SUMAMA SA MGA FIRE DRILL	 MAGING AKTIBO AT MAKILAHOK SA MGA UTSAP PARA SA KAHANDAAN
 PATIBAYIN KUNG MAHINA O DEFEKTO ANG ISTRUKTURA	 PATIBAYIN ANG MGA GAMIT NA NAKABITIN	 MAKILAHOK SA MGA DRILL NG RESCUE	 SUMAMA SA DRILL NG FIRST AID	 MATUTONG MAGRAS MGA PANUKAT BAHA (FLOOD MARKER)
 ILIGTAS ANG SABILI SA DALIM NG MESA, KAMA O HAMBRA	 BUMABA NG MAHINAHON SA BAGDAN HUWAG SA ELEVATOR	 TANDAAN ANG NUMERO NG BUMBERO	 UNAHIN ANG MGA BATA MATANDA AT MAY KAPANSANAN	 HUWAG DAANAN AN MGA KALYENG MAT ANG BAH
 IWASAN ANG MGA POSTE O LINYA NG KURYENTE	 MAKINIG SA MGA TAMANG IMPOR- MAYON	 SABIHAN AGAD ANG NASA LOOB PARA LUMIKAS	 ISARA ANG PINTO, PARA HINDI MAPASOK NG USOK	 HUWAG LULUSON TUBIG BAH, PARA V SAKIT AT DISGRASA
 IWASAN ANG MATAAS NA GUSALI, MAG INGAT SA MGA BUMA- MAGSAK	 ISARA ANG LINYA NG KURYENTE AT GAS	 PATAYIN ANG APOY HABANG MALIT PA	 LAGVAN NG BASAHAN/ KUMOT ANG PINTO	 * IWASANG BUMTAN PAG MAY BAH * IWASAN ANG MGA I PATUNGO SA ILIG
 IWASAN ANG MGA BUREOL O MATATAAS NA LUGAR	 MAG IWAN NG MENSARE KUNG SAN KA PATUNGO	 HUWAG MATARANTA MAGING MAHINAHON	 GUMULONG SA LUPA KAPAG NAAPUYAN ANG DAMIT	 * LAGING MAKINIG S MGA BABALA BAGO BUMTAN * MANATILI SA LOOB BAHAY KUNG ITO AY MATIBAY
 HUWAG TATAWID NG TULAY	 KUNG HINDI IMPORANTE HUWAG GUMAMIT NG TELEPONO	 GUMAPANG PALABAS PARA MAKAIWAS SA USOK	 HUWAG BALIKAN ANG MGA GAMIT	 LAGING ALAMIN ANG MGA DAAN PATUNGO LIGTAS NA LUGAR (EVACUATION AREA)

REFERENCE: DOST, PHIVOLCS,
PAGASA, NDC/NCR



QUEZON CITY DISASTER RISK REDUCTION MANAGEMENT COUNCIL (QCDRMC)

EARTHQUAKE PREPAREDNESS
SO YOU CAN SAVE YOURSELF,
YOUR FAMILY MORE LIVES



THE WEST VALLEY FAULT LINE
The Metro Manila is within the West Valley Fault line that starts from the Sierra Madre in Nueva Ecija and extends down to parts of Bulacan, Rizal, Quezon City, Pasig City, Marikina City, Parts of Makati City, Santa Rosa in Laguna and crosses to Tagaytay City.

Some Lessons from the South Asia Earthquake
Need to have earthquake-resistant buildings in earthquake prone areas
Building codes must be followed (design and construction)
People at risk must be prepared: they should know what to do before, during and after the earthquake
Effective emergency response is needed to reduce the number of casualties

Recent Examples of Devastating Earthquake in Asia

COUNTRY	DEAD
February 27, 2010 Chile Magnitude 8.8	1,000
January 12, 2010 Haiti Port-au-Prince, Haiti Magnitude 7.2	300,000
2008 China Magnitude 7.9	70,000
2005 South Asia Pakistan & India Magnitude 7.6	80,000
2004 Sumatra Indonesia, Thailand, Malaysia, Sri Lanka, India, Myanmar, & Maldives	300,000
2003 Kurn, Iran Magnitude 6.6	30,000
2002 Bhul India Magnitude 7.9	20,000
Damage - \$ 10 Billion Injured - 167,000	
1999 Taiwan Magnitude 7.6	2,300
1999 Iran, Turkey Damage - \$ 12 Billion Injured - 50,000	17,000
1995 Kobe, Japan Damage - \$ 100 Billion	6,000
1990 Western Iran	40,000
1990 Luzon, Philippines	1,280

EARTHQUAKE HAZARD



GROUND SHAKING



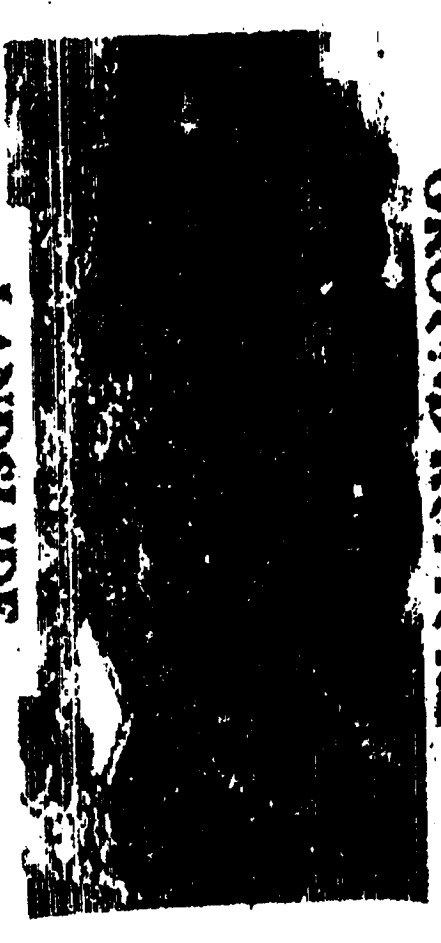
LIQUEFACTION



TSUNAMI



GROUND RUPTURE



LANDSLIDE



FIRE

EMERGENCY CONTACT NUMBER

- PATROL 117
- QC CENTRAL POLICE
- DISTRICT
- 921-4444 / 921-4445 FAX 928-3663 / 502-7663
- STN 1 - LA LOMA 712-5753
- STN 2 - BAIER 376-1725
- STN 3 - TALLPAPA 937-1703
- STN 4 - NOVA 936-3624
- STN 5 - LAGRO 935-4941
- STN 6 - B. HILLS 931-6470
- STN 7 - CUBAO 723-0290
- STN 8 - PROJECT 4 913-9893
- STN 9 - ANONAS 434-3687
- STN 10 - KAMUNING 924-1025
- STN 11 - GALAS 712-3280
- STN 12 - LIBIS 439-4416
- QC FIRE DEPT - 928-8363

QUEZON CITY DISASTER COORDINATING COUNCIL (QCDCC)

- SIERRA BASE
(Radio Communication Service)
922-1230 / 922-3227 / 922-8656
- SPIDER BASE
(Department of Public Order & Safety)
921-0057 TELEFAX / 921-1063
- DISASTER CONTROL DIVISION
924-2027

METRO MANILA EARTHQUAKE IMPACT
REDUCTION STUDY
(MMEIRS)

- Implementation Agency
Japan International Cooperation Agency (JICA)
- Counterpart Agency:
MMDA & PHIVOLCS
- Study Period
August 2002 to March 2004

STUDY OBJECTIVES

- To formulate master plan for earthquake impact reduction for Metropolitan Manila
- To carry out Technology transfer to Philippine counterpart personnel, of MMDA and PHIVOLCS in the course of the Study.

EXPECTED DAMAGE IN METRO MANILA FROM MAGNITUDE 7.2 EARTHQUAKE	
33,500	No. of People Killed
18,000	From 500 Simultaneous Fire
114,000	No. of Injured
3 Million	No. of Residents Who will Flee
175,000	No. of Buildings Destroyed
30 to 35	Percentage of public Buildings Damaged

LIFELINE DAMAGE

- Water pipeline 4,600 km - Break at 954 points
- Electricity cable, Length of 4,900 km - Cut of 31 km
- PLDT Telephone cable 13,300 km long - Cut of 97km
- Of the 213 Bridges & 8 flyovers - 7 have high possibility of collapse

Reference: DOST - PHIVOLCS

WHAT TO DO BEFORE, DURING & AFTER
AN EARTHQUAKE

EARTHQUAKE - A weak to violent shaking of the ground produced by the sudden movement of rock materials below the earth's surface.

BEFORE
THE KEY TO EFFECTIVE DISASTER
PREVENTION IS PLANNING.

- Determine whether the site is along an active fault and/or prone to liquefaction or landslide which may cause damage to your house or building.
- Be sure that proper structural design and engineering practice is followed.
- Evaluate the structural soundness of the building and important infrastructures, strengthen or retrofit if found necessary.
- Heavy materials should be kept in lower shelves.
- Check stability of hanging objects which may break, loose and fall during earthquake.

MOST CAUSES OF INJURIES ARE FROM FALLING OBJECTS

- Heavy materials should be kept in lower shelves.
- Check stability of hanging objects which may break, loose and fall during earthquake.

FAMILIARIZE YOURSELF WITH YOUR PLACE OF WORK AND RESIDENCE

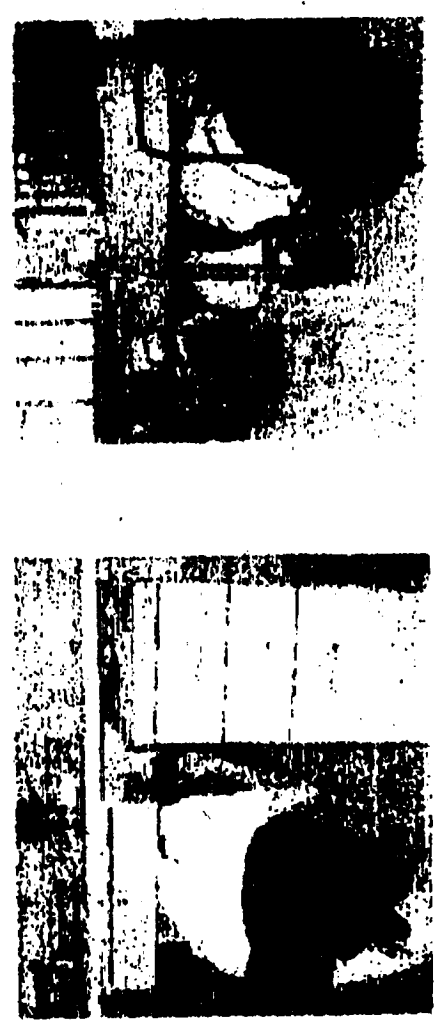
- Identify strong parts of the bldg. like door jams, near elevator shafts & sturdy tables.
- Learn to use fire extinguishers, first aid kits, alarms & emergency exits. These should be always accessible/conveniently located and prominently marked.

PREPARE YOUR PLACE OF WORK AND RESIDENCE FOR THE EVENT

- Strap heavy cabinets/furniture to the wall to prevent sliding or toppling.
- Breakable items, harmful chemicals & flammable materials should store in the lowermost shelves & secured firmly.
- Make it a habit to turn off gas when not in use

DURING

- If you are inside a structurally sound building, stay there!
- Protect your body from falling debris by bracing yourself in a doorway or by getting under a sturdy desk or table, "duck, cover and hold" technique



- If you are outside, move to an open area
- Get away from power lines, post, walls and other structures that may fall or collapsed
- Stay away from building with glass panel
- Do not attempt to cross damaged bridges / fly over & overpasses
- If you are on a mountain or near a steep hill slope, move away from steep escarpments which may be affected by landslides

AFTER

- If you are inside an old, weak structure, take the fastest and safest way out!
- Do not rush to the exit get out calmly in an orderly manner.
- Do not use elevators, use the stairs.
- Check yourself and others for injuries
- Check water and electrical lines for damages
- Check for spills of chemical, toxic & flammable materials
- Check for fire, and have if controlled
- If you need to evacuate your residence, leave a message stating where you are going and bring your emergency supply kit.
- Keep updated on disaster prevention instructions from battery operated radios.

ORGANIZE A BRIGADE AS YOUR FIRST RESPONDER

RESCUE & EVACUATION TEAM - for timely evacuation to safe areas, to lessen loss of lives & confusions.

FIRE SUPPRESSION TEAM - conduct initial suppression of fire.

FIRST AID TEAM - render immediate & temporary care to victims

SECURITY TEAM - to protect & conduct security to affected victim & properties

DAMAGE ASSESSMENT TEAM - conduct initial assessment of affected areas for proper rescue, relief & rehabilitation operation.

- PREPARATION OF THE COMMUNITY AT RISK TO SURVIVE THROUGH THEIR OWN CAPACITY WITHOUT RLYING TOO MUCH ON GOVERNMENT INSTITUTIONS. AT LEAST DURING THE INITIAL STAGE.

- RESIDENTIAL STRUCTURES SHOULD BE INSPECTED, STRENGTHENED, & MADE FIRE-RESISTIVE

THINGS TO REMEMBER:



PREPARE AND MAINTAIN A SURVIVAL KIT.
(RADIO, FLASHLIGHT, FIRST AID KIT, POTABLE WATER, READY TO EAT FOOD, WHISTLE/DUST MASK)