

## **V. Implications of Survey Results**

The survey has multidimensional implications in the formulation of a Program in Disaster Management Sector in the Philippines.

Instructive information concerning the need to enhance the risk reduction capabilities of government and private institutions in disaster management is one of the major findings of the survey.

Consider for examples the concerns and issues in disaster management at various levels:

### **1. Policy Level**

- a. The need to review and update the overall legal framework in the formulation of a National Disaster Management Strategy for the Philippines.
- b. The need to strengthen and make functional the national, regional and local disaster coordinating councils all over the country
- c. Undertaking countrywide public information programs on disaster mitigation should be made an urgent national policy.
- d. Public and private partnership in policy formulation for disaster management is an ideal strategy in the advocacy of an effective national disaster management plans and strategies
- e. National policies on disaster mitigation should advocate proactive stance.

### **2. Program Level**

- a. Involvement of all sectors of the community and or society in formulating programs in disaster management at both national and local levels.
- b. Program strategy must be wholistic and multidisciplinary
- c. Program must also be predictive rather than reactive
- d. Communitarian participation and involvement are crucial
- e. Involvement of the private sector is equally important in program formulation

### **3. Implementation Level**

- a. Planning and coordination are important in program implementation

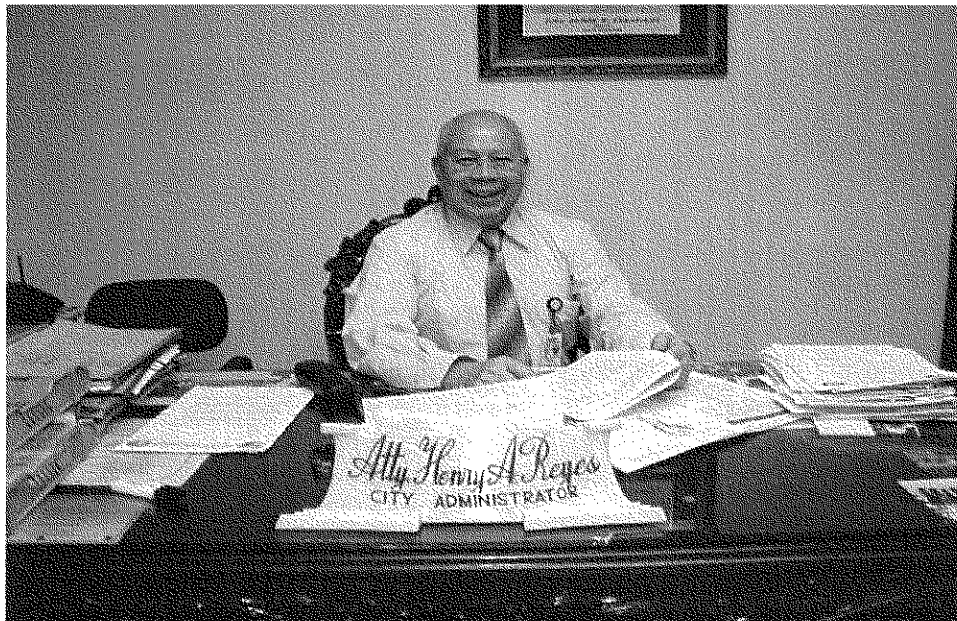
- b. Agency tasks of those directly concerned with disaster mitigation must be well defined
- c. Optimal use of scarce resources for disaster management should be strictly observed.
- d. The principle of self-reliance and self help must be an overriding policy and must be internalized
- e. Resources for disaster mitigation should be interpreted to mean and include local materials and human capital.

**VI. Pictures which were taken during the interview**

**a. Local Officials**



**Mr. Roberto Dela Cruz, Officer in Charge of the Barangay Operations Office in San Juan Metro Manila**



**Atty. Henry A. Reyes, City Administrator of Muntinlupa City**



**Ms. Milagros Litonjua, Budget Officer, Planning And Development Office, San Juan, Metro Manila**



**Engr. Merlita Lagmay, City Planning and Development Officer of Pasay City**

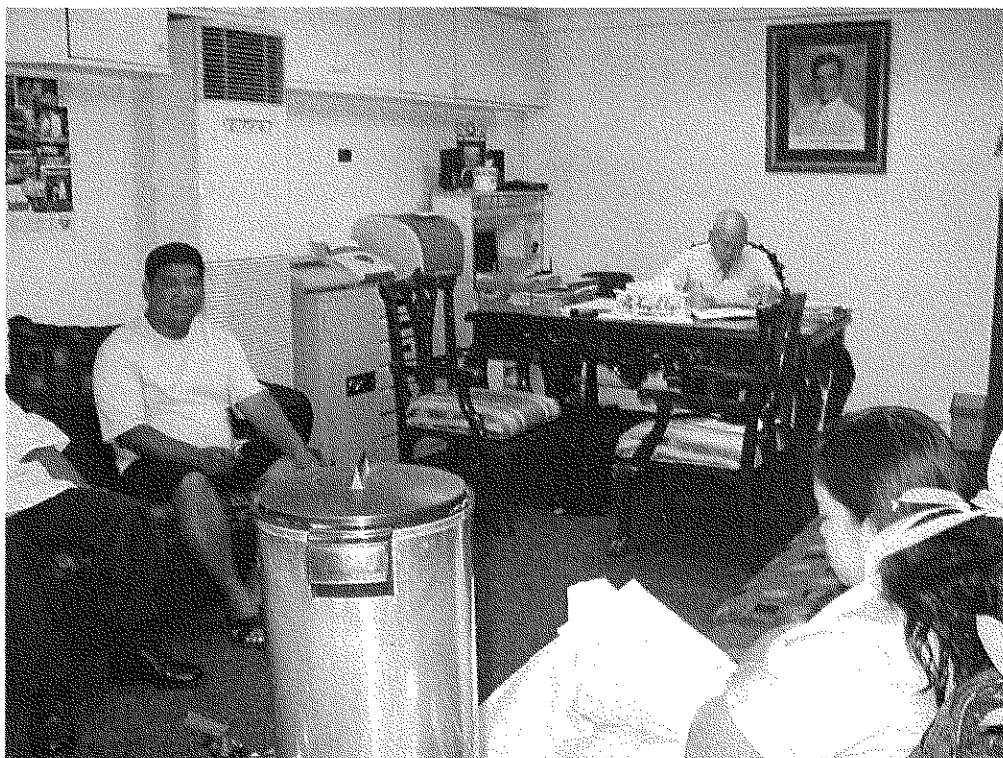


**Maria Alvarado, Planning Officer III of the City Planning and Development Office Pasay City**

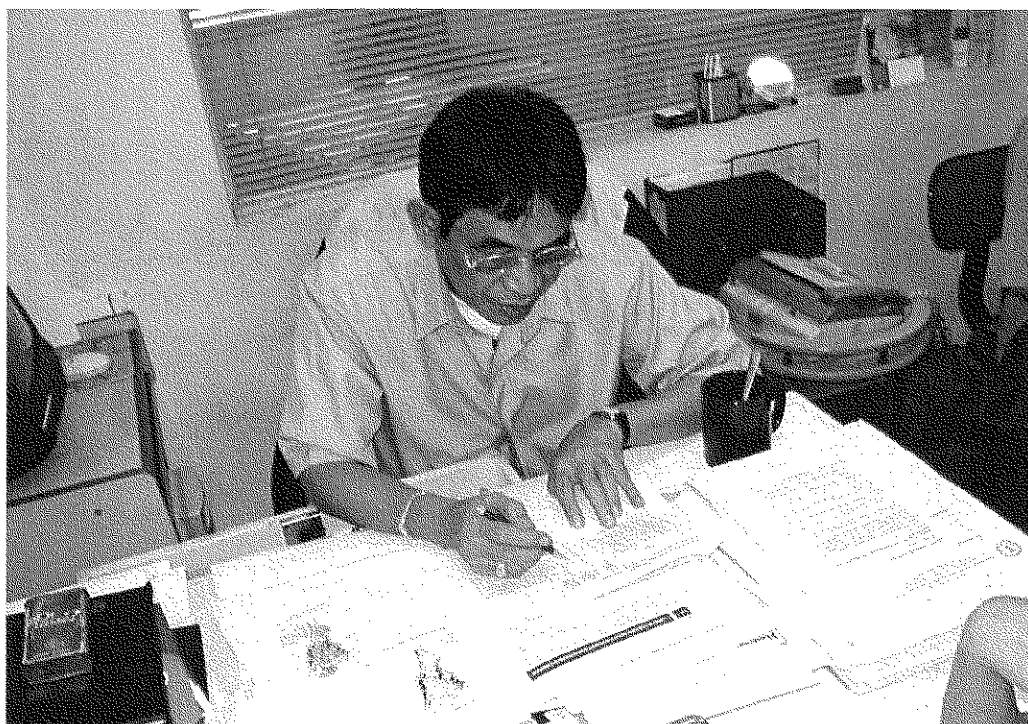


**Ms. Corazon Canon, Project Development Officer of the City Planning and Development Office, Muntinlupa City**





**Atty. Reyes Answering the Survey Questionnaire**

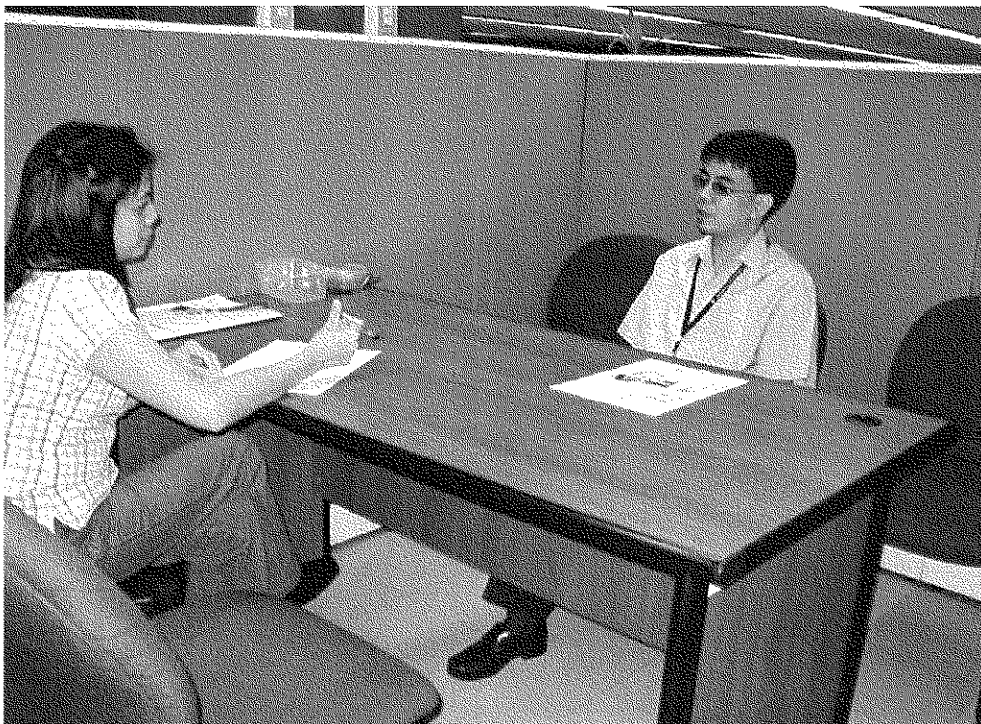


**Mr. Dela Rosa Answering the Survey Questionnaire**



**People were waiting to get an audience with the City Administration, Atty. Henry Reyes, while the interview was taking place**

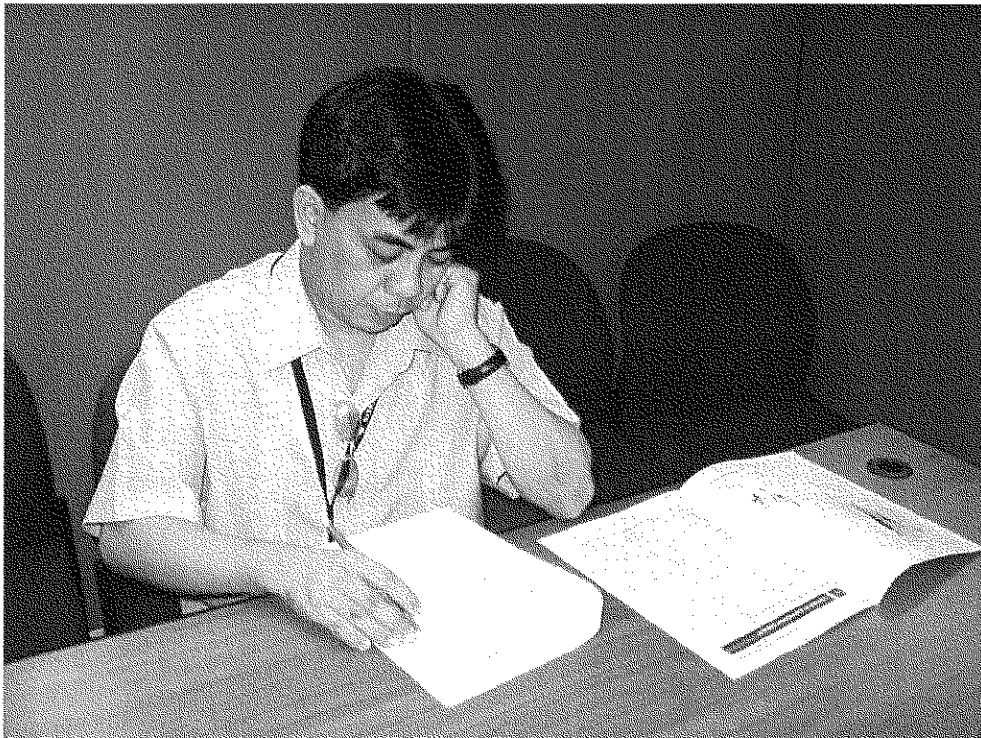
**b. NEDA**



**Engr. Elemer Dorado, Officer in Charge of the Social and Infrastructure Division of NEDA**



**Engr. Dorado during the actual interview**



**Engr. Dorado answering the survey questionnaire**



**c. Barangay Officials and Residents**



**Residents of Barangay Ugong Pasig City**



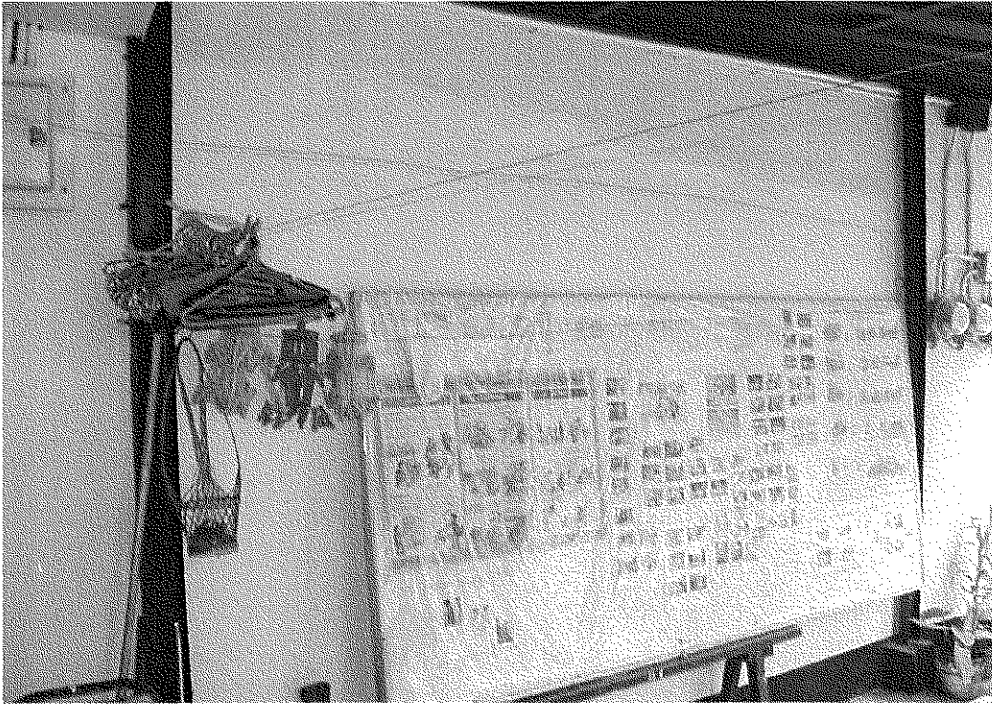
**Kagawad Roger Arambulo with residents of Brgy. Ugong Pasig City**



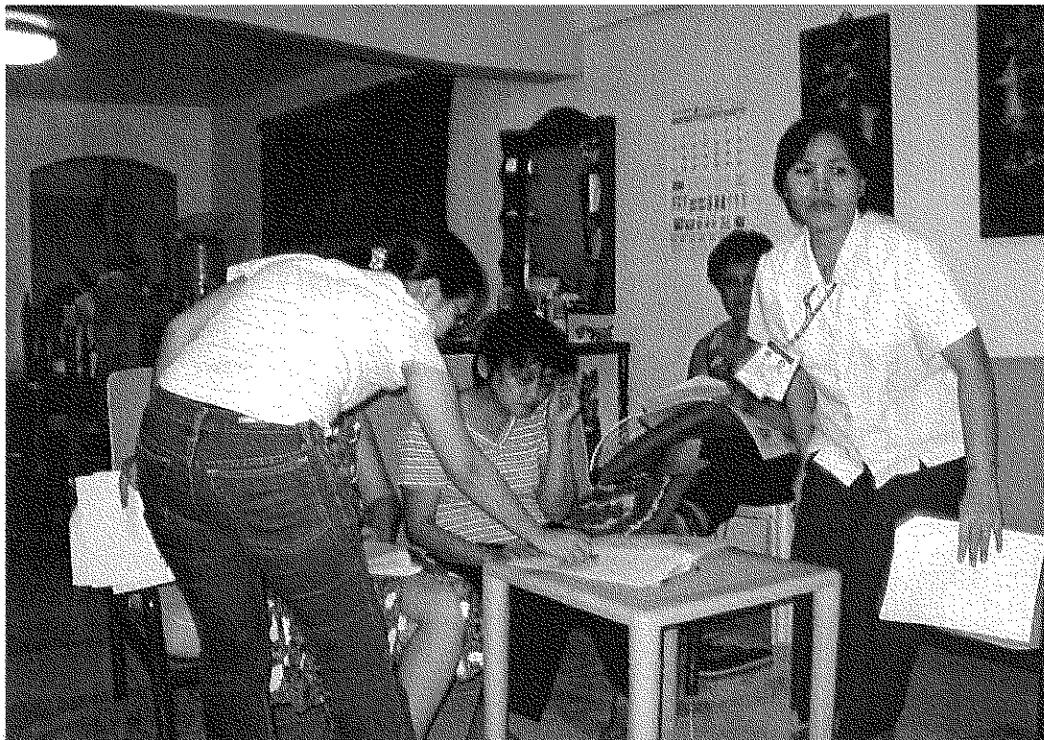
**Resident from Brgy. Ugong Pasig City while being interviewed by Ms. Jihan Siquio**



**Residents of Brgy. Cupang Muntinlupa City at the Residence of the members of the community organization**



**A Bulleting Board showing information on the result of the MMEIRS study and the facts about community disaster management system**



**Actual interview with the residents of Cupang Muntinlupa City**

**Annex - A**

**Training Program  
for  
Project Interviewers**



**Training Program  
for  
Project Interviewers**

September 27-30, 2004  
Amorsolo Room, PICC

<b>Date/Time</b>	<b>Activity</b>	<b>Discussant</b>	<b>Remarks</b>
<b>Sept. 27</b> 9:00am – 10:00am	Familiarization	Dr. G. C. Sosmeña, Jr.	
10:00-10:30am	Coffee break		
10:30-12:00nn	Orientation to the project	Mr. Yutaka Koike	
12:00-1:30pm	Lunch		
1:30pm-3:00pm	Orientation to survey questionnaire	Mr. Koike, Dr. Mazakazu Takahashi, Dr. Sosmeña	
<b>Sept. 28</b>	Interviewers respectively study documents and materials on technical specification of the questionnaire to be given on Sept. 27 session		Note: Interviewers will not report to LOGODEF but study the documents individually
<b>Sept. 29</b> 9:00am-10:00am	Discussion of technical specification of survey questionnaire	Mr. Koike, Dr. Takahasi, Dr. Sosmeña	Participants to resume project orientation at LOGODEF
10:00-10:30	Coffee break		
10:30am-12:00nn	Project clarificatory discussion, Implementation plan of interviews and technical review of survey output	Panel session	
12:00-1:30pm	Lunch		
1:30pm-3:00pm	Roundtable discussion on project and survey questionnaire	Panel session	

## **Annex - B**

### **List of Interviewers Contact Address and Institutional Affiliation**

**List of Interviewers  
The Study on Program Formulation  
In Disaster Mitigation Sector  
In the Philippines**

Name	Institutional Affiliation	Educational Background	Contact No.
1. Atty. Gilda E. Guillermo	Alternative Law Research & Development Center, (ALTERLAW)Inc.	LLB BA Political Science	0920 9251 613 926 41 51 929 54 89
2. Leslie F. Inso	Alternative Community Centered Organization for Rural Development (ACCORD)	Bachelor of Science in Social Work	0920 9030 726
3. Deborrah C. Dimitui	Freelancer	Bachelor of Science in Social Work	0919 7005 035
4. Regalado S. Jose	Sigma Kappa Phi Fraternity	B.S.B.M Undergraduate	0920 5780 133
5. Bernadette Carmela B. Magtaas	Freelancer	Bachelor of Science in Statistics	0917 5365 689 551 8990
6. Raquel O. Ocampo	Philippine Ecumenical Action for Community Empowerment (PEACE), Pampanga	Basic Computer	0919 5942 649 0918 9388 869
7. Edwin C. Pancho	Philippine Ecumenical Action for Community Empowerment (PEACE) Foundation	AB Economics Non Traditional Sociology	0918 9388 869
8. Jihan Syquio	Margareth Home for the Blind Pangarap Shelter for Street Children	Bachelor of Science in Social Work	472 80 55

**Annex - C**  
**Schedule of Interviewers**



**Schedule of Interviews  
October 4 to 8, 2004**

Day/Date	Team A	Team B	Team C	Team D
Monday, October 4	Department of Interior & Local Government (DILG)  Quezon City Hall  Car: Honda City Plate No. XCD914 Driver : Alex Panligue Cf 0920 2370 190	Office of Civil Defense (OCD)  Philippine National Police (PNP)  Bureau of Fire Department (BFD)  Car: HiAce Toyota Plate: WFN 204 Driver: Alfred Radam Cf 0920 5481 623	Mandaluyong City Hall    Car: Honda City Plate No.XCD 810 Driver Nathaniel Salvador Cf0918 4586 456	Pasig City Hall  Barangay Ugong, Pasig   Car: Honda City Plate No. XDD 935 Driver Roger Mapalad Cf: 0916 9234 402
Tuesday, October 5	Marikina City Hall	School of Urban & Regional Development (SURP)  Department of Social Work & Development (DSWD)–(National office)	Makati City Hall	Muntinlupa City Hall  Barangay Cupang, Muntinlupa
Wednesday October 6	Department of Education (DepEd)  Calookan City Hall	Department of Health (DOH)  Calookan	Manila City Hall  Barangay 741  Barangay Bureau	Pasay City Hall
Thursday, October 7	National Defense College of the Philippines (NDCP)	NDCP	DPWH  DSWD (Legarda)  Philippine Business for Social Progress (PBSP), Inc.  Presidential Management Staff (PMS)	National Economic Development Office (NEDA)  San Juan City Hall
Friday, October 8				
Monitor	Mr. Hernan Sioson	Mr. Hernan Sioson	Rosita B. Aquino	Cora D. Rodriguez
Driver	Mr. Alex Panligue	Mr. Alfred Radam	Nathaniel Salvador	Roger Mapalad
Effective Date	Oct. 4, 6 and 7 Change car on Oct. 5	Oct. 4, 6 and 7 Change car on Oct. 5	No problem as to the car. Coding is on Friday, no interview on Friday.	Oct. 4, 5, and 7 Change car on Oct. 6

**Annex - D**

**Composition of Four Teams  
Of  
Interviewers**

**Composition of Four Team of Interviewers  
on The  
Study on Program Formulation  
in  
Disaster Mitigation Sector**

1. Team A

- ✦ Mr. Edwin C. Pacheco
- ✦ Ms. Raquel O. Ocampo

2. Team B

- ✦ Ms. Leslie F. Inso
- ✦ Mr. Regalado Jose

3. Team C

- ✦ Atty. Gilda E. Guillermo
- ✦ Ms. Deborrah C. Dimitui

4. Team D

- ✦ Ms. Bernadette Carmela B. Magtaas
- ✦ Ms. Jihan Syquio

## **Annex – E**

### **Distribution of Respondents by Cities, Municipalities and Offices**



**Distribution of Respondents by Cities and Municipalities  
On the Study on Program Formulation in Disaster Mitigation Sector**

Team A			Team B			Team C			Team D			Remarks
Interviewers	Category	No. of Respondents	Interviewers	Category	No. of Respondents	Interviewers	Category	No. of Respondents	Interviewers	Category	No. of Respondents	
Edwin Pancho Raquel Ocampo	National Gov't	1	Leslie Inso Regalado Jose	Nat. Gov't	2	Gilda Guillermo Deborah Dimitui	City Gov't	3	Bernie Magtaas Jihan Syquio	City Gov't	3	
	City Gov't	3		Nat. Gov't	1		City Gov't	4		Local Gov't	5	
	City gov't	3		Nat. Gov't	1		City Gov't	3		City Gov't	3	
	Nat. Gov't	2		Academe	1		Local Gov't	5		Local Gov't	5	
	City gov't	3		Nat. Gov't	1		Brgy 741, Paco	5		City Gov't	3	
	Academe	2		Nat. Gov't	2		Brgy Bureau	1		Nat Gov't	1	
				Nat. Gov't			DPWH	2		Nat Gov't	3	
							DSWD	1		Nat Gov't	3	
							PBSP	1		Local Gov't		
							PMS	1		Local Gov't		
<b>TOTAL</b>		<b>14</b>			<b>8</b>			<b>21</b>			<b>23</b>	<b>Total 66</b>

**Annex – F**

**List of Respondents**

**List of Respondents**

	Name	Title	Organizations	
1	Amelia Camba	Brgy. Staff	Kilus Coordinator	Pasig City
2	Angelina Ramos	Brgy. Employee	Kilus Member	Pasig City
3	Felicisima B. Sacdalan	Brgy. Staff	Kilus Coordinator	Pasig City
4	Roger Arambulo	Brgy. Kagawad	Brgy. Ugong	Pasig City
5	Felicisima An	Treasurer	Brgy. Cupang	Muntinlupa
6	Libertad Perilla	Auditor	Brgy. Cupang	Muntinlupa
7	Corona Ganiolo	Brgy. Project Coordinator	Brgy. Cupang	Muntinlupa
8	Remchie Rodolfo	SK Chairman	Brgy. Cupang	Muntinlupa
9	Amparo Magsanoc	Member	Brgy. Cupang	Muntinlupa
10	Renato Bulos	Brgy. Kagawad	Brgy. Cupang	Muntinlupa
11	Angelita Keppel	Brgy. Councilwoman	Brgy. Cupang	Muntinlupa
12	Imelda Cabebe	Brgy. Kagawad	Brgy. 741	Manila
13	Alfredo Reyno	Brgy. Chairman	Brgy. 741	Manila
14	Donato Talavera	Brgy. Kagawad	Brgy. 741	Manila
15	Engr. Elmen Donado	OIC	Social Science Division	NEDA
16	Alicia Bala	Asst. Secretary & Concurrent RD for NCR		DSWD
17	Ronaldo Ison	Disaster Quick Response Program Managing Director		ASEP
18	Benito Pacheco	Chairman	DMAPS	PICE
19	Rizalino Jose Rosales	ADM Officer V Chief ADM Div.		DepEd
20	Gloria Campos Aguilar	OIC-Operations Servcie Division		DILG
21	Gerardo Bayugo	Regional Director	Center for Health Development	DOH-Manila
22	Sr. Supt. Danilo Cabrera	Regional Director		BFP-NCR
23	Nestor N. Pilar	Vice President for Academic Affairs		NDCP
24	Ronald Dizon	Dirctor EMIP		NDCP
25	Vilma Cabrera	Director		DSWD
26	Edgardo Ollet	Director for Plans & Chief Secretariat, NDCC TMG		OCD
27	Aurora Franco	Education Supervisor II		DepEd
28	Berlito Manila	Chief Clerk-R3 Div.		PNP-NCRPO
29	Marily Go. M.D.	MSD 3-HEMS Coordinator		DOH
30	Camencita Banatin	Chief Health Emergency Preparedness Division		DOH-HEMS
31	Rizalina Rilloran	Social Worker		DSWD
32	Paulino Matias	Resident	Brgy. 741	Manila
33	Guillerma Reyes	Head	Administration and Management Office	PMS
34	Engr. Rosemarie Yumul	Chief Planning Section/CPMO		DPWH
35	Wilfredo Lopez	Engr. V		DPWH
36	Atty. Henry Reyes	City Administrator		Muntinlupa
37	Engr. Glen Santos	OIC Building Office	City Building Official	Muntinlupa
38	Corazon Cawin	Project Dev't Officer & Admin. Officer IV	City Planning & Development Office	Muntinlupa

*The Study on Program Formulation in Disaster Mitigation Sector in the Philippines*

39	Engr. Hermogenes Lerio	Chief Vertical Projects	Pasig City Disaster Coordinating Council	Pasig City
40	Arch. Luisa Soriano	City Planning & Dev't Officer	City Planning Office	Pasig City
41	Engr. Antonio Abaya	Asst. City Engineer		Pasay City
42	Maria Alvarado	Planning Officer III	City Planning & Development Office	Pasay City
43	Engr. Merlita Lagmay	City Planning Administrator	City Planning Division	Pasay City
44	Roberto Dela Rosa	Officer in charge/BOC		San Juan
45	Milagros Litonjua	Budget Officer IV	Municipal Planning & Development Office	San Juan
46	Aty. Ranulfo Dacalos	City Administrator		San Juan
47	Neri Amparo	Chief Operations Division		OCD
48	Tomas Aguilar Jr.	City Planning & Dev't Office		Marikina City
49	Rolando Li Cordero	City Gov't Dept. Head II - City Planning & Dev't Coordinator	City Development Planning Department	
50	Noel Lansang	Special Operation Officer V	Disaster Control Division	Quezon City
51	Remedios G. Furiscal	Planning Officer V	Social Dev't Planning Division	
52	Manuel Sabalza	Asst City Administrator		Quezon City
53	Joselito Cabungcal	Officer in Charge	Dep't of Engineering	Quezon City
54	Atty. Roineo Alcantara Jr.	City Administrator		Caloocan
55	Julie Borje	Training Director		Marikina City
56	Manuel Simpauco	Asst. Dept. Head II	Office of the Bldg. Official	Caloocan City
57	Leo Cruz	Maintenance Engineer	Engineering Department	Mandaluyong City
58	Ernesto Victorino	City Administrator		Mandaluyong City
59	Mr. Roberto Amores	OIC	City Planning & Dev't Office	
60	Mr. Hector Reyes	Senior Rescue Officer	Makati Rescue	Makati City
61	Engr. Harold Arranz	Special Technical Asst		Manila
62	Arch. Deogracias Tablan Jr.	Project Manager	Urban Settlement Office	Manila
63	Ronaldo Moriones	Asst. Director	Brgy. Bureau	Manila
64	Engr. Armando Comandao	Dept Head	City Planning & Dev't Office	Mandaluyong City
65	Maria Rosela Ricamara	Sectoral Coordinator	Urban Dev't Dept	Makati City
66	Mario Delos Reyes	Director of Training & Extension Services Division		SURP
67	Kristine Jimeno	Project Officer	Disaster Relief Program	PBSP
68	N. Tungol	Senior Science Research Specialist		DOST PHIVOLCS
69	B. Bautista	CSRS		PHIVOLCS
70	Mylene M. Villegas	CSRS		PHIVOLCS
71	R. Solidum	Director		PHIVOLCS



**Annex – G**  
**Survey Sheet**

## Questionnaire Survey Sheet (Earthquake Disaster Management Sector)

The results these surveys are kept confidential only to JICA Study Team and JICA Study Team will use the results only for consideration of disaster management program.

### ■ Information on Person to Fill In Questionnaire

Name

Title

Organization (including section, division and others)

Date of Survey

### ■ Mandate and budget of your organization,

*Fill the table*

Your section or division

Situation	Function	Annual Budget
Normal condition		
Emergency situation		
Especially on Earthquake disaster at normal condition		
Especially on Earthquake disaster at emergency situation		

Your organization

Situation	Function	Annual Budget
Normal condition		
Emergency situation		
Especially on Earthquake disaster at normal condition		
Especially on Earthquake disaster at emergency situation		

*Describe name of documents or regulations, defining above.*

(Name)

(Date of Issue)

*Has your organization spent disaster calamity fund for disaster preparedness measures?*

Yes

No

*If yes, on what? how much amount?*

<i>What activities? What Resources?</i>	<i>Amount</i>

*Do you have your own idea or opinion on the above system?*

## ■ Risk Perception

*Do you know the contents of earthquake damage estimation, published on February 2004, by JICA study team, MMDA and PHIVOLCS?*

Yes, I know

No, I don't

*In case 'NO', enumerator explain the JICA seminar handout.*

*What do you think of the contents?*

*In case of 'YES', do you share the results within your organization, division or with neighbours? What topics are shared?*

*Do you share idea of necessary measures on preparation for earthquake disaster management within your organization, division or neighbours?*

Yes, we do.

No, we don't

*In case of 'YES', what are the contents?*

*Have you already commenced any action or actual consideration on earthquake disaster management? If 'YES', describe the contents.*

*- Mitigation Measures*

*- Preparation Measures*

*- Emergency Response Measures*

**■ Future Program**

JICA, MMDA and PHIVOLCS summarized priority implementation action plan on earthquake disaster management on February 2004 seminar. (See seminar handout)  
Here specify your priority action program.

1. Enhancement of Disaster Risk Reduction Capacity

*Select 3 programs and its priority as 1 (most required), to 3 (required).*

*And also specify level of implementation as*

- |          |                                    |          |                                   |
|----------|------------------------------------|----------|-----------------------------------|
| <i>A</i> | <i>National level</i>              | <i>B</i> | <i>Metropolitan Manila level</i>  |
| <i>C</i> | <i>City and Municipality level</i> | <i>D</i> | <i>Community (Barangay) level</i> |

No.	Program	We will do with our own budget and resources	We need administrative supports in budget and technical guidance	We need foreign donor supports in budget or technical guidance	Level of implementation
1.1	Establish policy for disaster management				
1.2	Strengthen legal basis for disaster management				
1.3	Strengthen institutional capacity for disaster management				
1.4	Rise awareness of earthquake disaster				
1.5	Conduct education and training program				
1.6	Prepare disaster management plan				
1.7	Enhance response and relief capacity				
1.8	Enhance recovery and reconstruction capacity				
1.9	Enhance information and communication system				
1.10	Strengthen forecast and early warning system				
1.11	Enhance emergency health and medical response system				
1.12	Stockpile water, food, and other necessities				
1.13	(others)				

**2. Improvement of Seismic Performance of Buildings**

*Select 3 programs and its priority as 1 (most required), to 3 (required).*

No.	Program	We will do with our own budget and resources	We need administrative supports in budget and technical guidance	We need foreign donor supports in budget or technical guidance
2.1	Develop and standardize seismic codes			
2.2	Improve construction permission process of buildings			
2.3	Improve inspection capacity of buildings			
2.4	Improve construction practice of buildings			
2.5	Improve construction material of buildings			
2.6	Promote research and development of technology for retrofiting buildings			
2.7	Promote retrofiting of residential buildings			
2.8	Promote construction of earthquake resistant residential buildings			
2.9	Enhance basic inventory of buildings			
2.10	(Others)			

**3. Improvement of Seismic Performance of Public Facilities and Infrastructures**

*Select 3 programs and its priority as 1 (most required), to 3 (required).*

No.	Program	We will do with our own budget and resources	We need administrative supports in budget and technical guidance	We need foreign donor supports in budget or technical guidance
3.1	Retrofit schools			
3.2	Retrofit hospitals			
3.3	Retrofit facilities of emergency services			
3.4	Retrofit important government offices			
3.5	Retrofit bridges			
3.6	Retrofit airport facilities			
3.7	Retrofit harbour facilities			
3.8	Strengthen water supply system			
3.9	Introduce disaster risk reduction concept into infrastructure development projects			
3.10	(Others)			

**4. Promotion of Earthquake Resistant Urban Development**

*Select 3 programs and its priority as 1 (most required), to 3 (required).*

*And also specify level of implementation as*

*A National level*

*B Metropolitan Manila level*

*C City and Municipality level*

*D Community (Barangay) level*

No.	Program	We can do with our own budget and resources	We need administrative support in budget and technical guidance	We need foreign donor supports in budget or technical guidance	Level of implementation
4.1	Prepare urban planning incorporating disaster risk reduction concept				
4.2	Promote disaster resistant urban development				
4.3	Promote redevelopment of densely populated area				
4.4	Enhance social housing policy for illegal settlement and poverty area				
4.5	Promote development of fire prevention zone				
4.6	Promote establishment of emergency transportation system				
4.7	Prepare evacuation plan				
4.8	Develop open spaces and parks for evacuation				
4.9	Identify evacuation route				
4.10	(Others)				

**5. Promotion of Research on Earthquake Disaster**

*Select 2 programs and its priority as 1 (most required) and 2 (required).*

No.	Program	We can do with our own budget and resources	We need administrative support in budget and technical guidance	We need foreign donor supports in budget or technical guidance
5.1	Enhance earthquake monitoring system			
5.2	Establish earthquake information dissemination system			
5.3	Promote research on active faults			
5.4	Conduct disaster risk reduction plan for tsunami			
5.5	Promote preparation of hazard and risk mapping			
5.6	(Others)			



■ **Other donor activities**

If you have any ongoing activities with other donors, please describe about the activities

If you have any future plans of activities with other donors, please describe about these activities.

*Thank you for your kind and sincere cooperation  
to the survey for a long time.*

**Annex – H**

**Summary of Answers**

**Survey: EARTHQUAKE DISASTER MANAGEMENT SECTOR**

A. Your section/division

**2.a. Function during emergencies**

FUNCTIONS
None
Emergency rescue
Help affected youth
<ul style="list-style-type: none"> <li>- Assistance</li> <li>- Security, food assistance, shelter</li> <li>- Relief campaign</li> <li>- Assists in packaging of goods for victims</li> </ul>
Work on some of the problems of constituents
<ul style="list-style-type: none"> <li>- Reacts and acts on emergency situation/crimes</li> <li>- Undertake the plan of action</li> <li>- As demolition team</li> <li>- Help on clearing operations</li> </ul>
Brgy disaster operations center
Mobilize disaster action team of the office on contingency measures
<ul style="list-style-type: none"> <li>- Action officer in any emergency situation</li> <li>- Be in the frontline of delivery of administrative support services during and after disasters and calamities</li> <li>- Lead role</li> </ul>
Implementation of PD 1096
Find out what really happened
Administrative function
Monitoring/coordination of all emergency actions
Requires reports from disaster councils, assess the damage and report to central office
Provide information materials on disaster management operation and manual preparedness
Conduct immediate inspection of gov't bldgs to assess condition
Issue notice if bldg is unfit for occupancy
Rapid evaluation of bldgs and facilities for structural damage
Committee to handle calamity institutionalized
Volunteer inspectors on post-damage assessment
Support to NDCC
Secretariat service to NDCC meetings
Provide technical assistance to LGUs
No information/don't know

**3.a. Function esp on earthquake disaster at normal condition**

FUNCTIONS
<ul style="list-style-type: none"> <li>- Information dissemination/seminar/orientation</li> <li>- Tips on earthquake</li> <li>- Continuing education and training of rescue and relief personnel</li> </ul>
Food assistance, shelter
Ask residents what they need/what help she can offer
Bldg assessment is SOP
Collection of donations for victims
Lead other office members on designated evacuation site
Oversee constant earthquake disaster preparedness at city hall, all schools and identified high-rise structures
Earthquake and fire drill
Advocate conduct of drills and other disaster preparedness activities
<ul style="list-style-type: none"> <li>- Undertake the plan of action</li> <li>- Coordinate activities pertinent to disaster mitigation plan</li> <li>- Coordination</li> </ul>
Implementation of PD 1096
Monitoring
Meeting to find out what happened and assign personnel to inspect bldg
Administrative function
Prepare disaster management policies and plans

Identification of policy issues
Identify areas prone to earthquake danger
Disaster management plan/preparedness during onset of any calamity and post calamity program
Committee to handle calamity institutionalized
Maintains database
Trainers for volunteer inspectors
Support to NDCC
Strategic planning
Assist in conduct of search and rescue operations
No information/don't know

**4.a. Function esp on earthquake disaster at emergency situation**

FUNCTIONS
Rescue/evacuate the affected area
Coordinate for evacuation center
Coordinate all courses of action
Setup evacuation centers
Assist rescue team/assistance
Support to NDCC
Food assistance, shelter, medicines, clothing
Guides residents on how to act during earthquakes
Brgy Disaster Operations Office
Collection of donations for victims
Monitoring and assessment
Mobilize assigned leaders per assigned task like evacuation, rescue, etc.
- Disaster action officer
- Frontliner in delivery of administrative support services
- Lead role
Information dissemination
Issue warnings on latest development
Implementation of PD 1096
Functions as defined in the Local Gov't Code
Provide appropriate services
Designing and inspection and assessment of bldgs
Volunteer inspectors and coordinators with PICE under DQRP
Nationwide association activities by and among professional civil engineers
Augments the Operations Division
No information/don't know

**B. Your organization**

**1.a. Function during normal condition**

FUNCTIONS
Cooperate with barangay officials
Distribution of food, clothing
Regular meetings
- Organize daily disaster monitoring team/unit at regional director's office
- Create rescue and disaster coordinating councils
- Conduct training program for LGUs & NGOs on areas of community & family disaster preparedness
- Training
- Awareness campaign on disaster prevention
Update plans and programs
Planning, implementation, management of projects
Poverty alleviation
Traffic management
Peace and order
Formulate development plans
On stand-by
Implementation of Local Gov't Code/Functions of an LGU

Operating arm and secretariat of NDCC
Leads in emergencies and disasters
In-charge of infrastructure project
Monitoring and inspection of bldg
Formulate policies and programs on disaster preparedness
Oversee implementation of health programs
Coordinate programs and resources at the national level pertaining to disaster management
No information/don't know

**2.a. Function during emergencies**

FUNCTIONS
Coordinate with barangay officials/tasked units
Report to brgy.
Information dissemination/in-charge of PA
Stock pile of 1000 family packs worth P350/pack
Disaster management which includes command and control
Police, fire
Action officer
Lead office/coordinator
Assist in identification of evacuation site
Dispatch stand-by crew and equipment for assistance
Exercise duties related to policies and regulations on emergency
Coordinate with national agencies
Coordinate with DOH-HEMS, NDCC and hospitals
Sub-members of MCDCC
Restoration of damaged structures
Provision of temporary structures
Monitoring and assessment
Provide augmentation support
No information/don't know

**3.a. Function esp on earthquake disaster at normal condition**

FUNCTIONS
Information dissemination/sharing experiences
Assists by alerting hospitals
- Training & mitigation for centers/institutions under direct supervision; identify disaster teams per institution
- Capability building
- Update contingency plan, earthquake mitigation and preparedness and emergency response
- Formulation of safety measures
Subsumed by Disaster Coord council
Continuous coordination with other member agencies and local dev't council
Dispatch stand-by crew and equipment for assistance
Establish programs to improve and enhance personnel capability in rescue, relief and disaster operations
Exercise duties related to policies and regulations on emergency
District office is the base and communicates thru radio
Lead office
Provide shelter
Clearing operations
Issue notice if bldg is fit or unfit
No information

**4.a. Function esp on earthquake disaster at emergency situation**

FUNCTIONS
Rescue/evacuate the affected area
Coordinate with different NGOs/agencies
Lead office/coordination
- Provide relief augmentation for LGUs
- Relief operation

- Provide material, moral and related support to victims of disasters
Direct rescue operations
Implementation of plans and emergency response SOP
Subsumed by Disaster Coord Council
Mobilize to undertake assigned task
Dispatch stand-by crew and equipment for assistance
Assist by alerting hospitals
No information

**A. Describe name of documents or regulations defining above**

NAME OF DOCUMENTS
Local gov't code
By-laws of organization
Executive order 230
Presidential decree
MDCC
City Disaster Coordinating Council
MCDCC
PD 1096
Nat'l Structural Code of the Philippines
Ordinance providing P50M for land acquisition for USO
Disaster Preparedness Plan
PD 1566
HLURB documents
Implementing rules on disaster
EO No. 13, S-93
City Ordinance
Municipal ordinance
Annual budget
EO 102
Disaster Management Plan
Executive order
MOA - Disaster Quick Response Program
Department Order
Health Emergency Management Unit
Fire Code of the Philippines
EO 85
Policies, guidelines on managing DROMIC
NDCC Memoranda and Circulars
LOI 40
No information

**E. Has your organization spent disaster calamity fund for disaster preparedness measures? If YES, on what?**

ACTIVITIES
Training/seminar
- Training on 1 <sup>st</sup> aid
- Security force training
- Seminar of bryg. Brigade
- Disaster management
- IEC materials on calamity (leaflets, video)/SARS
- Information dissemination
Cleaning of drainage/declogging of canals
Emergency lighting
Case monitoring (SARS)
Purchase of medical supplies
Purchase of vehicles, firearms, radio equipment
Typhoon, earthquake surveillance
Inter-department meetings
Fire/earthquake drills
Disaster drills



Creation of Municipal Coordinating Council
Rapid evaluation
Building inspection
Capacity building
Augmentation to intermediaries
No information
Not applicable, fund not spent for preparedness

**H. Do you have your own idea or opinion on the above system?**

ACTIVITIES
None
- Satisfied with the implementation of local gov't code
- System is adequate/effective
Funds should be readily available
- Organization shld be prepared for any disaster/focus more on disaster
- Disaster preparedness included in plan
- Fire/earthquake drills should be done quarterly
- Personnel involved in the program should assemble regularly to update knowledge and information
- Amend Local Gov't Code – set aside %age of calamity fund for preparedness activities for future emergencies/disasters; limited funds for preparedness measures from general budget
- Cannot act on preparedness programs or measures; will wait for area to be declared a calamity area
- Inadequate funds to make plans and implement programs on disaster mgt
Continuing amendment and review of by-laws
Inadequacy of DILG to train brygs on disaster preparedness
No DILG support on fire trucks and other equipment
Needs a better system/coordination mechanism between LGUs and agencies on disaster response
Revise enforcement of PD 1566 to include sanctions if not implemented by LGU
- Need for more/continuing training
- Limited funds for training
Need for better equipment
Need to amend to cope with present situation, technology and needs of the people
Funds for big disasters not enough
Need for salary increase
Not enough resources
Understaffed
Budget constraints
Projects/programs should be implemented continuously to get desired results
Sustained implementation
There is always need for improvement
Gov't support is needed to broaden scope of the program
Metro Manila is unique since most of the national headquarters are here. This presents both an advantage and disadvantage for a regional office.
No information
Not applicable

III. Risk Perception

**A. Do you know the contents of earthquake damage estimation published on Feb 2004 by the JICA study team, MMDA and PHIVOLCS? What do you think of the contents?**

COMMENTS
- Broader/additional knowledge about earthquakes
- Informative/substantive
- Useful for everybody
- Brief but comprehensive
The damages and casualties are very high
Disastrous/devastating
Scary, the earthquake will be very strong
Scared because we're not prepared
Manila will be isolated
Metro Manila is vulnerable to earthquake
Identified critical areas

- Learned about what to do during earthquakes - Useful, even if no earthquake, can prepare for it - If earthquake happens, should be prepared - Need for disaster preparedness
- Horrible, buildings may collapse - Alarming - Worried that our infrastructure are not prepared - Review bldg code/compliance to bldg construction requirements/materials should be according to specs
People may be hurt or die
It can happen but damage won't be too much because our soil is not as soft as that of Japan
- Useful information for preparedness measures/policies - Information would guide LGUs in coming up with it's own earthquake impact reduction plan - Helpful for implementation, prioritization and fund allocation
Maps don't show specific areas that are/can be affected; needs technical resource person
There are some missing information like - fuel lines that run in Metro Manila - no line-up of emergency response NGOs, private organizations involved - standard requirement on emergency responder or rescuer - GIS not completed
Any form of effort to reduce earthquake is worth implementing and supporting the efforts
Strategies adopted
It would be good if PBSP will join future seminars
Substantial and technical but appropriate for assessment purposes
Estimates are very technical
Disaster cannot be prevented
Too high tech
Lgu can't afford to spend for preparation for something uncertain
Confusing why the result of the summary damage of small bldgs is bigger than high-rise bldgs
Confusing/not easily understood
There should be continuing education on disaster preparedness
Good that somebody is studying
Plan should be comprehensive, not only earthquake
Didn't get scared because he witnessed the collapse of Ruby Tower
Not enough information on high-rise and mid-rise bldgs and offices
Double check factories where fires may start
Damage focused only on residential structures
Should have specific study on gov't bldgs and bridges
Findings not applicable to Muntinlupa
Very hypothetical
Data needs continuous update and review
No information
Not applicable, fund not spent for preparedness

**B. If YES, did you share the results within your organization, division or with neighbors? What topics were shared?**

TOPICS
- How to prepare/what to do during earthquakes - Disaster response
Results were shared with the Rotary Club and Coastguard Results shared with all concerned departments
Information dissemination (pamphlets) Copies were shared with health personnel and infrastructure
Actual drills
- Brgy seminar was held, open to all - Conduct seminars at local level which includes mitigation
Re-echo session of MMEIRS within division/organization
Damage estimation Effect of valley fault Possibility that municipality will be hit A strong earthquake will create more damage Evacuation difficulty

Geological study of Manila
- Used as basis for Makati fault study
Adopt simple earthquake damage assessment based on given framework
Risk assessment
Focus on community based disaster management activities
Mitigation measures
Areas prone to damage
Location of faults
Identification of vulnerable areas
Vulnerability of populated areas in Metro Manila
Suddenness of the disaster
Earthquake scenario
Bldg and infrastructure survey
Source of water during fire, earthquake
No information
Not applicable, didn't share results

**C. Do you share idea of necessary measures on preparation for earthquake disaster management within your organization, division or neighbors? If YES, what are the contents?**

TOPICS
Don't panic
Earthquake/fire drill
Bomb drills
- Inspection of defective bldgs that don't follow standards of bldg materials
- Technical safety of bldgs, construction
- Color coding of bldgs
- Compliance to bldg requirements and specs
- Advocate assessment of existing bldgs and facilities
Dissemination of information
Presence of mind
What to expect during earthquakes
Earthquake impact
How to be prepared; what are the things that need to be prepared; what to do
Preparedness/mitigation measures
Preventive
Looking for safe places in the workplace
- Tasking/evacuation plan
- Put up evacuation centers
- Organizational capability: resourcing, organizing or volunteers and evacuation centers
Developed pocket guide with contact numbers, contingency plans
Support and implementation
- Strengthen disaster management system
- Rescue operation
- Communication for monitoring
- Activated disaster coordinating council
- Actual response
Improve community recovery capability
Completed a comprehensive disaster reduction plan
Started a plan/design on setting up a disaster mitigation education center
Development of IT-based hazard data and maps
Setting of policy zones for disaster prevention and density control
Cycle of disaster: mitigation, operation, control preparedness
Evaluation of disaster effects
Not relevant for mitigation for gov't structures because it is focused on residential bldgs
Coordination and networking with LGUs and NGOs
No information
Not applicable, didn't share results

**D. Have you already commenced any action or actual consideration on earthquake disaster management?**

**E. Mitigation measures**

MEASURES
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Planning for evacuation Regular planning session
- Organized committees responsible for public info, transpo, rescue, food, medical assistance - Organized disaster action teams
Information dissemination Giving information to the community Information to the youth not to panic
Conducting house measure
- Check bldgs to prevent collapse - Structure examination/updating of structures for proper materials - Proposed zoning ordinance to limit height of buildings - Bldg code being implemented - Issuance of locational/zoning clearance - Proposal to have soil tested for bearing capacity - Proper design codes - Bldg safety and security program
Securing electric, pipe lines
Mapping Development of IT-based hazard data and maps Map literacy
Training/meetings within centers/residential facilities & institutions Training program on basic disasters
Developed local planning guide checklist for earthquake mitigation and response
Earthquake preparedness in schools
Plan/design a disaster mitigation education center
Completed a comprehensive disaster reduction plan
Set-up line of communication
Fire extinguishers, fire alarms, directional signs, emergency exits
Identifying alternative sources of water
Coordination with volunteer brigade
No information
Not applicable, didn't share results

**F. Preparation measures**

	MEASURES
None	
Training/seminars	- of rescue personnel - on collapsed bldg - simulation exercises
Locate the most affected or delicate areas	- Organized committees for different areas and responsibilities - Reorganized the city disaster coordinating council - Organization of disaster teams/committees within the office - Availability of ambulance, fire truck/fire hydrant - Survey of tools that can be used - Rescue boat from Coast Guard
Search and rescue	- Inform and give printed materials/information dissemination - Told residents not to go in the middle when there's an earthquake - Switch off the stove - Plans on what to do during earthquakes - Integrated in school curriculum
Prepare enough medicine, food Stockpile of commodities	
Fire/earthquake drill	
Evacuation plan Emergency plan	
Site specific BASECO study – hazards tested	
Strict implementation of the bldg code Identification of safety and soundness of bldgs	
Activities which will reduce risks and loss of life and property	

Fund raising and resourcing
Coordination with various stakeholders
Don't hang heavy object because it might fall
Secure the sides of the cabinet
Disaster Quick Response Study Team
Retrofitting of bridges
Technical support given to other gov't agencies; retrofitting not done
Roundtable discussion
Monitoring of post disaster assessment
Established systems to fast track activities
No information
Not applicable, didn't share results

**G. Emergency response measures**

MEASURES
Rescue using ambulance/fire truck
With personnel complement
There is a 24-hr emergency team/skeletal manning
Activation of quick response team
Established Disaster Operations Center
- Giving medicines, food
- Stock of relief goods
- Relief assistance
- Provide augmentation support
- Barangay rescue team; rescue teams
- Conducted training on collapsed structure search and rescue for responders
- Preparedness of action teams
- Mobilize BHWs; medical teams
- Emergency medical assistance
- Info dissemination; Posting of maps, posters in public places
- Developed emergency response pocket guide
Volunteer services to affected persons
Communication/sound-verbal announcement
Posted emergency numbers to contact
Stress debriefer
Crisis debriefing/counselling
- Purchase additional equipment for collapsed structure, rescue van
- Communication equipment
Continuous training
Training of volunteer evaluators of bldgs and facilities for post-earthquake
Basic life support training
Vehicles to transport people and documents
Identified evacuation sites
All sections will be involved automatically in coordination with MCDCC
Disaster response system
Drills
Acquiring of emergency lights and first aid kits
No information
Not applicable, didn't share results

**IV. Other Donor Activities**

**A. Describe ongoing activities with other donors**

ACTIVITY
None
River basin development program
National Society for Earthquake Tech Nepal
Program Enhancement for Emergency Response
- search and rescue
Habitat from Gawad Kalinga
Seminar on Cross cutting capacity dev't program

IT-based Disaster Mitigation Data and Maps
GIS activity
Pasig River Rehabilitation Project
WHO Capability Building
Waste management development program
Student/teachers exchange program
Sister City relationship with Sweden
Amendment of fire code, national building code
Relief Operations
Security in affected areas
No information/don't know

**B. Planned activities with other donors in the future**

ACTIVITY
None
Setting up of a small pier to enhance safety of water craft along the river in case of flooding
Waste management in the Marikina River
Recycling of waste water
Seminars on drug prevention
Flood control
Seminar for disaster brigade
Improvement of infrastructure
Value engineering – cost efficient bldg design and construction
Advanced training and technology
Academization of APDC Disaster Training Programs
Second phase focusing on Urban Planning in Marikina City
Improvement of QC capability on emergency management
Disaster Management Program – to determine areas vulnerable to environmental disasters
Enhancement of disaster mitigation equipment
Focus on poor people living near the river
Family Disaster Preparedness Seminar
Exchange of knowledge and experiences on earthquake disaster mitigation with other countries
Solid waste management program
Water treatment/supply project
Road infrastructure program
Massive information dissemination on disaster preparedness
Anti-terrorism program
Intensification of resource generation
Monthly simulation exercises on disaster management
No information/don't know