

Secretary, Department of Finance	- Member
Secretary, Department of Labor and Employment	- Member
Secretary, Department of Trade and Industry	- Member
Secretary, Department of Health	- Member
Secretary, Department of Environment and Natural Resources	- Member
Secretary, Department of Interior and Local Government	- Member
Secretary, Department of Budget and Management	- Member
Secretary, Department of Justice	- Member
Director, Philippine Information Agency	- Member
Presidential Executive Secretary	- Member
Chief of Staff, Armed Forces of the Philippines	- Member
Secretary-General, Philippine National Red Cross	- Member and Executive Officer
Administrator, Office of Civil Defense	- Member and Executive Officer

Private Sector (1)

Philippine National Red Cross (PNRC)

Public Services (e.g. meteorological, etc) (2)

Philippine Atmospheric, Geophysical, Astronomical Services Administration (PAGASA)

Philippine Institute of Volcanology and Seismology (PHIVOLCS)

2. Internal Organization of the National Committee  
 Hierarchy, Responsibilities, Coordination and Cooperation  
 Mechanisms in Natural Disaster Reduction Activities

The National Disaster Coordinating Council (NDCC), the highest policy-making body on disasters, advises the President on the status of the national disaster preparedness program, disaster operation and rehabilitation efforts undertaken by the government and the private sectors; establishes policy guidelines on emergency preparedness and disaster operations; establishes priorities in the allocation of funds for relief and rehabilitation; advises the lower level Disaster Coordinating Councils (DCCs) through the Office of Civil Defense; and recommends to the President of the Philippines the declaration of a state of calamity in disaster-stricken areas. It utilizes the facilities and services of the Office of Civil Defense in Camp Aguinaldo, Quezon City.

Task of NDCC Members:

Chairman - convenes the Council as often as necessary and calls on all other departments, bureaus, agencies and instrumentalities and corporations of the government and the private sector for assistance when the need arises.

Executive Officer - coordinates the activities and functions of the various agencies and instrumentalities of the national government, private institutions and civic organizations to implement the NDCC policies; provides secretariat services to the NDCC; disseminates materials relative to disaster prevention, control and mitigation; and

advise the Chairman on matters concerning disaster management.

Secretary of Local Government - oversees the organization of DCCs, establishment of disaster operations centers of all local governments, training of DCC members in coordination with the Office of Civil Defense, Philippine National Red Cross and other appropriate agencies.

Secretary of Social Welfare and Development - responsible for the provision of support to local DCCs in terms of emergency relief assistance and social services to disaster victims.

Secretary of Health - responsible for the organization of disaster control groups (DCGs) and reaction teams in all hospitals, clinics, sanitariums and other health institutions and the provision of support to provincial/city/municipal and rural health workers during emergencies.

Secretary of Labor and Employment - responsible for the organization of DCGs in all factories and industrial complexes, the provision of emergency employment opportunities to disaster victims and the implementation of the industrial civil defense programs and measures.

Secretary of Education, Culture and Sports - responsible for the organization of DCGs and reaction teams in all schools and institutions of learning, the provision of assistance in the public education campaign on disaster preparedness and making available school buildings as evacuation centers.

Secretary of Trade and Industry - responsible for maintaining normal levels of prices of commodities during emergencies and assuring the availability of commodities in calamity areas.

Secretary of Agriculture - responsible in determining the extent of damage on agricultural crops, livestock and fisheries and rendering technical assistance to local agricultural workers particularly during times of emergency.

Secretary of Budget and Management - responsible for the release of funds required by the departments for disaster preparedness activities and operations.

Secretary of Environment and Natural Resources - responsible for the reforestation and control of areas which tend to cause flooding, landslides, mudflows and ground subsidence; provision of seeds, saplings, seedlings as well as technical assistance regarding mines, forests and land; and promulgations of rules and regulations for the control of water, air and land pollution.

Secretary of Finance - responsible for the issuance of rules and regulations regarding funding by local governments of the requirements of their disaster coordinating

Secretary of Public Works and Highways - responsible for the restoration of destroyed public structures such as flood control, water works, roads, bridges and other vertical and horizontal facilities/structures and the provision of heavy and light equipment for relief, rescue and recovery.

Secretary of Tourism - responsible for organization and training of DCGs and reaction teams in hotels, pensions, restaurants and other tourist-oriented facilities.

Secretary of Transportation

Department of Transportation and Communication - responsible for the organization of emergency transport services from the national down to the barangay level and the restoration of destroyed communication and transportation facilities such as railroads and vertical structures.

Director of Philippine Information Agency - responsible for the provision of public information service to disseminate disaster mitigation measures, assist in warning the public of impending disasters and educating the public on disaster preparedness and operations.

Secretary-General of the Philippines National Red Cross - responsible for the conduct of disaster leadership training courses and the provision of relief assistance to disaster victims.

The Chief of Staff of the Armed Forces of the Philippines - responsible for the provision of security in disaster stricken-areas and assistance in the reconstruction of roads and bridges and other structures as well as provision of transportation facilities for the rapid movement of relief supplies and personnel and rescue and evacuation of disaster victims.  
 be used by agencies in making damage surveys.

Director-General of the National Economic and Development Authority - responsible for the determination and analysis of the effects of disasters and calamities on the socio-economic plans and programs of the country and the development of damage assessment scheme to be used by agencies in making damage surveys.

### 3. Prevailing hazards

Type	Location	Affected Population
a. Tropical cyclones / typhoons	:Country wide	:People from all walks of life
b. Floods	:Low-lying areas particularly along the sea coast	
c. Storm surges	:Eastern and western coastal areas of the country	
d. Volcanic eruptions	:Northern Luzon	:People living in nearby areas
- Mt. Mayon, Albay		
- Mt. Pinatubo	:Region III	
- Mt. Taal, Mt. Banahao	:Region IV	
- Mt. Apo, Bulusan, Mt. Iriga	:Region V	
- Mt. Apo		
- Mt. Biliran, Mt. Mahagnao	:Region VIII	
- Mt. Matutum	:Region XI	

	LOCATION	Affected Population
a. Hibok-Hibok, Mt		
b. Anlaon, Mt Calayo,	Region XII	
c. Ragan		
d. Lahar Flow		
e. Ash fall		
f. Earthquake	Philippine Mobile Belt, extending longitudinally thru Luzon, the Visayan sea and Mindanao	
g. Tsunami wave	Eastern and western coastal areas of the country	

4. Recent natural disaster

Type	Location	Affected Population (Families/Persons)	Losses (Deaths & Property Damage)
1990 Earthquake	Luzon specifically Baguio	227,918/1,225,248	1,283/ P12.2B
1991 Mt Pinatubo eruption and Lahar I	Region III (provinces of Zambales, Tarlac, Pampanga)	249,371/1,180,132	850/P110.424B
Lahar II	- do -	19,932/ 96,102	6/ P2.464B
1991 Ormoc City flooding	Region 8 (Ormoc, Leyte)	38,104/ 193,121	4,943/P812.048M
1993 Mayon Volcano eruption	Region V (Albay)	21,600/ 106,917	80/ P0.073B
1993 Floodings	Mindanao, Leyte and Metro Manila	72,997/ 371,008	32/P1,085.447M
13 typhoons (1993)	Throughout the country	1,429,884/7,394,804	763/ P9.839B

90567.332 7957 total

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5. National socio-economic condition  
 Population : 60,703,200  
 Gross-national Product (GNP) : Current P1,060,410M  
 Constant (1985 prices) P535,621M  
 Per capita Income : Current P18,152.00  
 Constant P8,159.00

6. Availability of assistance to other countries in the field of natural disaster reduction

potential Resources, Scientific Expertise, Technology - Human resources experts on disaster preparedness and prevention, meteorology, hydrology, volcanology and disaster research.



7. International assistance required for natural disaster reduction  
 Requirements for scientific expertise, technology, resources,  
 etc
- Exchange of experts on disaster prevention and preparedness
  - National Research and Training Facility
  - On-the job training on rescue
  - On-the job training on tropical cyclone forecasting
  - Study tour of disaster research and training centers
  - Training on remote sensing

#### SECTION B: STRATEGIES AND ACTIVITIES

Current or planned strategies and activities

1. Steps towards achieving the 3 main Decade targets

Comprehensive national assessment of risks from natural hazards taken into account in development plans:

The Philippines is prone to almost all types of natural disasters due to its geographical and geological location. The government has appropriated calamity fund for disaster-related activities and a special section has been provided in the Philippine Medium-Term Development Plan, "Philippine 2000," for disaster mitigation.

Mitigation plans at national and/or local levels, involving long term prevention and preparedness and community awareness

- 1) Disaster Prevention and Preparedness Program
  - a) Public information drives
  - b) Organization of Disaster Coordinating Councils (DCCs)
- and 2) Disaster Control Groups (DCGs)
  - c) Training on natural disaster reduction and conduct of disaster drills and exercises
  - d) Enhancement of DCC communication and mobility capability and operations
  - e) Establishment/upgrading of disaster/emergency and alternate operations centers/other facilities for disaster preparedness and prevention (DPP)
  - f) Effective review and assessment of programs undertaken for IDNI
- 3) Meteorological and Hydrological Disaster Research Program
  - a) Improvement of the warning system
  - b) Development of disaster risk maps
  - c) Disaster impact research
- 4) Geological Hazards Research and Development Program
  - a) Improvement of volcanological and seismological monitoring network
  - b) Construction of water impounding dams
  - c) Construction of floods and erosion control facilities
  - d) Construction and installation of telemetering water level gauge in dam reservoir
- e. Ready access to global, regional, national and local warning systems and broad dissemination of warnings
  - 1) International warning for shipping
  - 2) Tsunami warning information center
  - 3) Regular radio and TV weather forecasts
  - 4) Long range siren installed in municipal buildings
  - 5) Lahar watchpoints
  - 6) Rain gauge and wire sensor remote station

2. Present national plan for natural disaster reduction

Time span covered: 10-year plan to include yearly observance of IDNDR Day, Philippine Natural Disaster Consciousness Week (1st Week of July), Civil Defense Day (March 1)

Agencies, institutions and organizations involved:

National and local disaster coordinating councils, national agencies, local government units, non-government organizations, and people's organizations

Implementing agencies:

National Disaster Coordinating Council IDNDR Committees, name Committee on Non-Structural Measures (Office of Civil Defense - Chairman), Committee on Structural Measures (Department of Public Works and Highways - Chairman), Committee on Legislation (Department of Justice - Chairman), Committee on Disaster Research (Department of Science and Technology - Chairman)

Funds available for implementation:

Agency fund  
National calamity fund  
5% local governments fund

3. Executive order issued, legislation enacted and NDCC memoranda issued in relation to natural disasters reduction

Memorandum Order No. 38 authorizing the importation and donation of food, clothing, medicine, and equipment for use in the government relief and rehabilitation programs for calamity affected areas under Section 105 of the Tariff and Customs Code of the Philippines, as amended and the applicable provisions of the prevailing General Appropriations Act covering the National Internal Revenue Taxes and Import Duties of the national and local government agencies and establishing special facility therefor.

Legislations

Total Commercial Log Ban Act of 1993  
Republic Act No. 7837 - An Act Appropriating the Sum of Ten Billion Pesos (P10 B) for the Aid, Relief, Resettlement, Rehabilitation and Livelihood Services as well as Infrastructure Support for the Victims of the Eruption of Mt. Pinatubo, Creating the Mt. Pinatubo Assistance, Resettlement and Development Commission, and for other Purposes.

NDCC Memoranda

Nos. 13 - 24, 26 dated May 7, 1990 designating the Philippine National Police Regional Directors as Chairmen, Regional Disaster Coordinating Councils  
No. 25 dated May 7, 1990 designating the Chairman, Metro Manila Authority as Chairman, Metro Manila Disaster Coordinating Council  
Nos. 27 & 28 dated May 18, 1990 re preparation for the typhoon season of all regional disaster coordinating councils and concerned departments  
No. 30 dated August 21, 1990 re strengthening of Disaster Coordinating Councils response capability  
No. 31 dated August 21, 1990 re establishment of a more effective management of relief procedures for efficient receipt, storage and distribution of relief goods  
Nos. 32 & 33 dated August 21, 1990 re increasing public awareness preparedness and conduct campaigns on geologic disasters

No. 34 dated August 29, 1994 re improving the effectiveness of the typhoon warning system

No. 37 dated September 24, 1991 creating of a planning committee for the Marikina fault activity

No. 38 dated April 24, 1992 enjoining all departments and agencies concerned with disasters to include in their agency budgetary proposal funds for disaster preparedness, prevention and mitigation

No. 41 dated May 18, 1992 re planning guidance on the preparation for the lahar problem in Central Luzon

No. 5 dated October 7, 1993 re observance of the 1993 International Day for Natural Disaster Reduction

4. Disaster mitigation activities completed or underway:

Identification of hazard zones: hazard assessment

Title of project:

- Affected Areas
- 1) Geographic Information System (GIS) for the Mt. Pinatubo
  - 2) Projects on Taal and Mayon Volcanoes

Status:

- 1) Hazard maps and population data base have been produced in the areas affected by the eruption of Mt. Pinatubo and data information have been made available to agencies/NGOs for planning and intervention decision making.
- 2) On-going

Participating institutions in the country and/or on the international level:

- 1) Philippine Institute of Volcanology and Seismology (PHIVOLCS) and National Mapping and Resource Information Authority (NAMRIA)
- 2) National Disaster Coordinating Council (NDCC); Department of Environment and Natural Resources (DENR) - National Mapping and Resources Information Authority (NAMRIA)

Costs of Project: 1) A \$ 14,800  
2) P15,000,000.00

Sources of funding: 1) Government of Australia  
2) National calamity fund

Implementing agencies:

- 1) NEDA Regional Office in Central Luzon
- 2) NDCC

Addresses (telephone and fax-number) of the agencies in-charge:

- 1) National Economic and Development Authority  
NRD III, San Fernando, Pampanga, Philippines  
Tel. No. 981-28-08/981-39-68
- 2) National Disaster Coordinating Council  
Camp General Emilio Aguinaldo  
Quezon City, Philippines  
Tel. No. 912-59-47/911-50-61 to 65; Fax No. 912-30-44/911-14-06

b. Monitoring, prediction and warning

Title of Project:

- 1) Telecommunication Improvement Project  
2) ... .. System (GTRS)



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- Sources of funding:
- 1) Agency funds
  - 2) Government of Australia
  - 3) UNDP
  - 4) UN Center for Regional Development

Implementing agencies:

- and Local Government (DIEG)  
(DTC/UNDP)
- 1) Office of Civil Defense (OCD) and Department of Interior
  - 2) UNDP, Manila
  - 3) Development Training and Communication Planning
  - 4) Department of Public Works and Highways (DPWH)

Addresses (telephone and fax number) of the agencies in-charge:

- 1) Office of Civil Defense  
Department of National Defense  
Camp General Emilio Aguinaldo, Quezon City  
Philippines  
Tel No.: 912-66-75; 912-59-47; 911-50-61  
Fax No.: 912-30-44; 911-14-06

Department of Interior and Local Government  
2nd Floor, PNCC Building, Corner Reliance Street  
EDSA, Mandaluyong, Metro Manila, Philippines  
Tel No.: 631-53-21; Fax No.: 631-88-14

- 2) UNDP, Manila, Philippines  
Tel No.: 818-40-61
- 3) DTC/UNDP, Pasig, Metro Manila, Philippines  
Tel No.: 631-12-71 to 74
- 4) Department of Public Works and Highways  
Bonifacio Drive, Port Area, Manila, Philippines  
Tel. Nos. 48-91-38; 49-29-97; Fax No. 40-16-63

Long-term preventive measures

Title of project:

- 1) Earthquake Reconstruction Project
- 2) Infrastructure Restoration Program

Status: 1) Completed  
2) Completed

Participating institutions in the country and/or on the international level:

- 1) Asian Development Bank (ADB); World Bank (WB)
- 2) DPWH; Department of Education, Culture and Sports (DECS)

Costs of project: 1) P1,661,037,768.58  
2) P287,093,307.27

Sources of Funding: 1) ADB, WB  
2) ADB

Implementing Agencies: 1) DPWH  
2) DPWH

**Land-use and risk management****Title of Project:**

- 1) Support to PHIVOLCS
- 2) NOAA Satellite Imagery Services
- 3) Aerial mapping of Mt. Pinatubo Area

**Status:**

- 1) Provided technical support to PHIVOLCS from US Geological Survey in Volcano and Hydrological Monitoring
- 2) Provided NOAA satellite imagery services
- 3) Provided aerial maps of the Mt. Pinatubo

Participating institutions in the country and/or the international level:

- 1) PHIVOLCS
- 2) PHIVOLCS
- 3) PHIVOLCS

Costs of project:

- 1) US \$ 250,000
- 2) US \$ 100,000
- 3) US \$ 1,100,000

Sources of funding:

- 1) U.S. Government
- 2) U.S. Government
- 3) U.S. Government

Implementing agencies:

- 1) PHIVOLCS
- 2) PHIVOLCS
- 3) PHIVOLCS

Address (telephone and fax number) of the agency in-charge:

Philippine Institute of Volcanology and Seismology  
6th Floor, Hizon Building  
Quezon Avenue, Quezon City, Philippines  
Tel. No. 712-46-69; Fax No. 711-30-77

**f Public education and information****Title of Project:**

- 1) Public Education and Information Program
- 2) Assessment of Human/Social Dimension of Damages
- 3) Disaster Information Campaign
- 4) Disaster Relief Operation and Management Information

Center (DROMIC)

**Status:**

- 1) On-going
- 2) Study report finished and submitted to NEDA and agencies involved in disaster relief and rehabilitation
- 3) Completed the conduct of typhoon related information dissemination activities
- 4) On-going

Participating institutions in the country and/or on the international level:

- 1) Office of Civil Defense (OCD), Philippine Information Agency (PIA), Department of Education, Culture and Sports (DECS), Department of Interior and Local Government (DILG)
- 2) NEDA/Ateneo de Manila University
- 3) PAGASA
- 4) DSWD

- Sources of funding:
- 1) Agency funds
  - 2) UNDP
  - 3) USAID
  - 4) Agency Fund

- Implementing agencies:
- 1) OCD, PIA, DECS
  - 2) NEDA/Ateneo de Manila University
  - 3) PAGASA
  - 4) DEWD

char : Addresses (telephone and fax number) of the agencies in-

- 1) Office of Civil Defense (same as in c.1)

Philippine Information Agency  
PIA Building, Visayas Avenue, Quezon City, Philippines  
Tel. No.: 922-37-92; Fax No.: 922-65-43

Department of Education, Culture and Sports  
2nd Floor, Rizal Building I, University of Life  
Meralco Avenue, Pasig, Metro Manila, Philippines  
Tel. No.: 632-08-05; 631-13-61; Fax No.: 632-08-05

- 2) National Economic and Development Authority  
(same as in a.1)

Ateneo de Manila  
Loyola Heights, Quezon City, Philippines  
Tel. No.: 98-87-21

- 3) PAGASA (same as in b.1)

- 4) Department of Social Welfare and Development  
Batasan Pambansa Complex, Constitution Hills  
Quezon City, Philippines  
Tel. No. 931-79-19; Fax No.: 741-69-39



Fully Achieve Decade Targets by the End of 1999

Project Title : Status : National Participation : Funding

ation of hazard zard assessment	On-going	PAGASA/PHIVOLCS/MGB/ NAMRIA	5,000,000	PAGASA/PHIVOLCS/MGB/ NAMRIA
on of hazard vul - ty maps	Continuing	NLJC	500,000	NLJC
policies/plan/ es	Continuing	All Concerned Agencies	10,000,000 per year	All Concerned Agencies
on of hazard risk	On-going	NDCC and Local DCCs	Agency/Local funds	NDCC-OCD
g. Prediction and	On-going	PHIVOLCS	6,000,000	PHIVOLCS
g/evaluation of gram Implementation	On-going	PHIVOLCS	15,000,000	PHIVOLCS
isive determination on potentials of ppine volcanoes				
mapping and age all identified lcanoes for deter- ecific volcanic hey can generate repose periods				
ation and character- ncluding paleoseis- f active faults in ppine Archipelago			5,000,000	PHIVOLCS

Project Title	Status	National Participating Organization	Costs (P)	Sources of Funding	Implementing Agency	ies
ve delineation of prone areas in the		PHIVOLCS/MGB	3,000,000		PHIVOLCS/MGB	
and mapping of the Philippines		MGB	6,000,000		MGB	
astic collapse subsidence		PHIVOLCS/UPCE	10,000,000		PHIVOLCS/UPCE	
ve delineation of prone areas in the Philippines		PHIVOLCS	500,000		PHIVOLCS	
ve delineation of seismic earthquake prone areas in the Philippines		PAGASA/DPWH/NIA/MGB/NAMRIA	5,000,000		PAGASA/DPWH/NIA/MGB/NAMRIA	
and mapping of river erosion: shifting		PAGASA/BSWM/NAMRIA	2,800,000		PAGASA/BSWM/NAMRIA	
and mapping of prone areas in the		MGB/PAGASA/NAMRIA	3,000,000		MGB/PAGASA/NAMRIA	
and mapping of coastal zones erosion		EMB/NIA/LWUA/PAGASA	4,000,000		EMB/NIA/LWUA/PAGASA	
and mapping of Philippine						
lt water in-						

Status : National Participating: Costs Sources of : Implementing Agencies  
 : : Organization : (P) : Funding : :

Status	National Participating Organization	Costs (P)	Sources of Funding	Implementing Agencies
5)			DOST/DOTC	Comprehensive landslide and Philippine
6)	PHIVOLCS/MGB/PAGASA/ DOST	5,000,000		Delineation of areas in the prone to earthquakes and ground
7)	DSWD/NHA/DPWH/PAGASA/ PHIVOLCS			Comprehensive of liquefaction in the Philippines
8)	DSWD/ITDI/FNRI			Comprehensive of tsunami zones in the Philippines
9)	NDCC-OCD/DOST-PHIVOLCS/ PAGASA/DOST	5,000,000 per year		Delineation of areas prone to earthquakes and river
10)				Delineation of drought prone areas in the Philippines
11)	PAF/NAMRIA/PHIVOLCS/ NDCC-RDCC/PAGASA	5,000,000 per coverage		Delineation of areas prone to earthquakes in the Philippines
12)			Agency funds : OCD-NDCC	Delineation of areas in the prone to sea intrusion

On-going : NDCC members, LGUs, NGOs,





Project Title

Implementing Agencies

Local Participating Organization	Costs (P)	Sources of Funding
	500,000 per year	
	25,000,000 per year	
	60,000,000	
PHIVOLCS	12,000,000	PHIVOLCS
PHIVOLCS	15,000,000	PHIVOLCS
PHIVOLCS	3,000,000 per set	PHIVOLCS
PHIVOLCS	10,000,000	PHIVOLCS
PHIVOLCS	500,000,000	PHIVOLCS

- 2) Organization of DCCs/DCGs in hotels/factories, etc.
- 3) Enhancement of the National Disaster Management Information System
- 4) Training on Natural Disaster Reduction and Management
- 5) Conduct of Drills and Exercises
- 6) Enhancement of local DCC capability
- 7) Improvement of damage assessment scheme and reporting
- 8) Acquisition of satellite (tapes and imageries of and Landsat covering the Philippines with yearly updates
- 9) Formulation of Disaster Preparedness Measures on Relief
  - a. Prepositioning of Supplies and Stocks



**Project Title** : **Disaster Preparedness and Response** : **Disaster Preparedness Agencies**

Organization : (P) : Funding

Deployment of Reinforce- ment Staff from Relatively Affected Areas to Dis- aster-Stricken Communities	Continuing	PHIVOLCS	500,000 per year	
Institutionalization of the Quick Response Fund	Continuing		25,000,000 per year	
Establishment of at least seismic monitoring station per active volcano	On-going	PHIVOLCS	60,000,000	
Acquisition of at least three of USGS-type telemetered to monitoring network rapid deployment during phases of volcanic unrest		PHIVOLCS	12,000,000	PHIVOLCS
Establishment of a ground station network per volcano		PHIVOLCS	15,000,000	PHIVOLCS
Acquisition of sets of ground station survey equipment: GPSs and telemetered (eters)		PHIVOLCS	3,000,000 per set	PHIVOLCS
Acquisition of equipment for measuring volcanic gases (initially SO2 and radon)		PHIVOLCS	10,000,000	PHIVOLCS
Establishment of telemetered data networks in the mountain ranges		PHIVOLCS	500,000,000	PHIVOLCS

Project Title	Status	National Participating Organization	Costs (P)	Sources of Funding
16) Establishment of telemetered tide gaging network in the Philippines	On-going	NAMRIA	40,000,000	
17) Upgrading of typhoon forecasting networks in the Philippines including Doppler radar network	On-going	PAGASA	500,000,000	
18) Establishment of lightning detector, radar network for thunderstorm forecasting	To be worked out	PAGASA	200,000,000	
19) Acquisition of rapid-deploy-ment equipment sets for use of quick response teams	Planned	PHIVOLCS/CCD/PAGASA	5,000,000	
20) Establishment of ground deformation monitoring networks (using GPS, EDM, strain-meters, etc.) along selected segments of the Philippine fault zone and other identified active faults in the archipelago	To be worked out	PHIVOLCS	2,000,000	
21) Establishment of telemetered flood forecasting (Polangui river, Agusan, Cotabato Area)		PAGASA/DPWH/NIA	50,000,000	per drainage basin
22) Establishment of telemetered:		PAGASA/DPWH/NIA	800,000,000	

Implementing A	Project Title	Status	National Participating Organization	Costs (P)	Sources of Funding
NAMRIA	d. Long-term Preventive Measures				
	1) Upgrading of disaster operations centers	Underway	OCD-NDCC		National fund
PAGASA	2) Establishment of alternate operations center	To be worked out	OCD-NDCC		National fund
	3) Proposals on DPFM for legislation	Underway	DOJ		National local funds
PHIVOLCS/OCD/PAGASA	4) Prevention of losses to new/reconstructed roads and bridges	Being worked out	DPWH/NDCC-OCD/DILG/LGU		National fund
PHIVOLCS	e. Land use and risk management				
	1) Soil loss control project	Being worked out	DEHR/NDCC-OCD/DA/DRCS/DOH/DILG/AVP		National/Agency funds
PAGASA/DPWH/NIA	f. Public education and information				
	1) Observance of disaster-related occasions such as the INDR Day, National Disaster Consciousness Week, others	On-going	Government agencies, Local Government Units, NGOs		Agency funds
PAGASA/DPWH/NIA					

Development: Materials, On-going: OCD/PIH/DILG/DOH/DRCS: National/Agency funds  
 posters, leaflets and flyers: On-going: National/Agency funds

Item	Project Title	Status	National Participating Organization	Costs (P)	Sources of Funding	Implementing Agency
3)	Production/dissemination of radio/TV plugs on disasters with precautionary measures	To be worked out	-do-		-do-	
4)	Precautionary film showing of natural disasters	Planning stage	PIA/OCD/DECS		PIA/OCD/DECS	
5)	Orientation lectures/briefings on disaster preparedness in schools, hospitals and offices	On-going	DECS, DOH, OCD, concerned agencies			
6)	Drills and exercises - all schools, factories, offices and hospitals	on-going	DILG/ DOLE/ DECS/ DECS/ DTI/OCD		Agency funds	DECS, OTHER
7)	Publication of Family Readiness Manual	Under revision	PIA, DECS, OCD, ISOB		Agency/local funds	OCD
8)	Print media revitalization of DPPM activities and case studies	To be worked out	DOST, PIA, OCD		Agency funds	PI
9)	Technical exchange programs, training grants/seminars	Being implemented	DFA, NEDA		National/foreign assistance	NE
10)	"Writershops" on disaster experiences	Continuing	DSWD/ITDI/PNRI			DSWD/
11)	Development and dissemination of disaster-related materials	Continuing	NDCC-OCD/PAGASA/PIA	10,000,000		NDCC-O

Location (IAC) materials

Project Title	Status	National Participating Organization	Costs (P)	Sources of Funds	Implementing Agencies
Plan of pre-emergency operations	Continuing	OCD		Agency funds	OCD
Map showing active volcanoes in Philippines		PHIVOLCS	500,000		PHIVOLCS
Map of volcano projects per active		PHIVOLCS	9,000,000		PHIVOLCS
Map of catalogues of historical		PHIVOLCS	9,000,000	PHIVOLCS	
Map showing generators in lines		PHIVOLCS	1,500,000		PHIVOLCS
Map of seismotectonic Philippines		PHIVOLCS	1,000,000		PHIVOLCS
Map of ground shaking in Philippines		PHIVOLCS	1,000,000		PHIVOLCS
Map of seismic micro-p of selected urban centers		PHIVOLCS	12,000,000		PHIVOLCS
Map showing the areas in the		PHIVOLCS	1,800,000		PHIVOLCS

IA





PAGASA

PAGASA

ISSA/DPWH/NIA/NRC

RA/MGB/PAGASA/NAMI

MRIA

IMPROVING AND

SOURCE OF

Costs

National Participating Organization

Status

Project Title

Project Title	Status	National Participating Organization	Costs (P)	Source of Funding
Map of seismic hazard in the Philippines		PHIVOLCS	1,000,000	PHIVOLCS
Map of map showing geological temporal distribution of Philippine		PAGASA	1,000,000	PAGASA
Map of map showing the coastal areas prone to storm surges		PAGASA	2,000,000	PAGASA
Map of map showing and mitigation prone in the Philippines		PAGASA/DPWH/NIA/NPC	5,000,000	PAGASA/DPWH/NIA/NPC
Map of soil erosion map of the Philippines		SWM/MGB/PAGASA/NAMRIA	2,000,000	BSWM/MGB/PAGASA/NAMRIA
Map of new topographic base maps at a scale of 1:25,000		NAMRIA	600,000,000	NAMRIA

## ABBREVIATION

1.	OCD	-	Office of Civil Defense
2.	NDCC	-	National Disaster Coordinating Council
3.	PHIVOLCS	-	Philippine Institute of Volcanology and Seismology
4.	NAMRIA	-	National Mapping and Resources Information Authority
5.	PAGASA	-	Philippine Atmospheric Geophysical & Astronomical Services Administration
6.	NLUC	-	National Land Use Committee
7.	UPCE	-	University of the Philippines College of Engineering
8.	NIA	-	National Irrigation Administration
9.	DPWH	-	Department of Public Works and Highways
10.	LGU	-	Local Government Unit
11.	DILG	-	Department of Interior and Local Government
12.	DOH	-	Department of Health
13.	DSWD	-	Department of Social Welfare and Development
14.	PNRC	-	Philippine National Red Cross
15.	OST	-	Department of Science and Technology
16.	DOJ	-	Department of Justice
17.	GB	-	Mines and Geo-sciences Bureau
18.	PIA	-	Philippine Information Authority
19.	PPM	-	Disaster Preparedness, Prevention and Mitigation
20.	HA	-	National Housing Authority
21.	PNRI	-	Food and Nutrition Research Institute
22.	ITDI	-	Industrial Technology Development Institute
23.	BWM	-	Bureau of Soils and Water Management
24.	LWA	-	Local Water Utilities Administration
25.	NCRS	-	National Coordinating Committee on Remote Sensing
26.	RDCC	-	Regional Disaster Coordinating Council
27.	PAF	-	Philippine Air Force

SECTION C: INTERACTIONS

(This section focuses on international involvement in the IDNDR )

1. Publications on IDNDR-related subjects:

TITLE	AUTHOR/INSTITUTION	PLACE	YEAR OF PUBLICATION
Procedures on the National Committee on Dam Monitoring for Public Safety (NCDMPS)	NCDMPS - National Disaster Coordinating Council (NDCC)	Quezon City, Philippines	1991
The Philippine Disaster Management System	Office of Civil Defense, Department of National Defense	Quezon City, Philippines	1991
The July 16, 1990 Luzon Earthquake: A Technical Monograph	Inter-agency Committee for Documenting and Establishing Database on the July 1990 Earthquake	Philippines	1992
Disaster Preparedness and Response Pilot at Community Level 1989 - 1992	The Government of the Republic of the Philippines and the Directorate for Gov't Cooperation, Italian Ministry of Foreign Affairs	Albay Province, Philippines	1992
Pinatubo Volcano Wakes 4 Century Slumber	Philippine Institute of Volcanology & Seismology, Department of Science and Technology	Quezon City, Philippines	1992
NDC Annual Accomplishment Reports	Office of Civil Defense, Department of National Defense	Quezon City, Philippines	1990-1993
Factbook of Civil Defense	Office of Civil Defense, Department of National Defense	Quezon City, Philippines	1993

REPUBLIC OF THE PHILIPPINES  
 DEPARTMENT OF NATIONAL DEFENSE  
 OFFICE OF CIVIL DEFENSE  
 General Emilio Aguinaldo  
 Quezon City

FAX COVER SHEET

TO: DIR. OLAVI ELO  
IDNDR Secretariat, Palais des Nations, Geneva 10  
 ATTN: MS. MARIS KOTN  
 OFFICE: UN IDNDR SECRETARIAT  
 FAX NO. (41.22) 733-86-95  
 SUBJECT/MESSAGE:

LAST THREE (3) PAGES OF  
THE PHILIPPINE NATIONAL  
SUMMARY REPORT ON WDR,

FROM: RENATO S DE VILLA  
 TEL NO. 912-59-47; 912-66-75  
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 TIME: \_\_\_\_\_

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SECTION C: INTERACTIONS

(This section focuses on international involvement in the IDNDR )

1. Publications on IDNDR-related subjects:

TITLE	AUTHOR/INSTITUTION	PLACE	YEAR OF PUBLICATION
Prime Minister on the National Committee on Dam Monitoring for Public Safety (NCDMPS)	NCDMPS - National Disaster Coordinating Council (NDCC)	Quezon City, Philippines	1991
The Philippine Disaster Management System	Office of Civil Defense, Department of National Defense	Quezon City, Philippines	1991
The July 16, 1990 Luzon Earthquake: A Technical Monograph	Inter-agency Committee for Documenting and Reestablishing Database on the July 1990 Earthquake	Philippines	1992
Disaster Preparedness and Response Pilot at Community Level 1988 - 1992	The Government of the Republic of the Philippines and the Directorate for Gov't Cooperation, Italian Ministry of Foreign Affairs	Albay Province, Philippines	1992
Pinatubo Volcano Wakes 4 Century Slumber	Philippine Institute of Volcanology & Seismology, Department of Science and Technology	Quezon City, Philippines	1992
NDCC Annual Accomplishment Reports	Office of Civil Defense, Department of National Defense	Quezon City, Philippines	1990-1993
Facts of Civil Defense	Office of Civil Defense, Department of National Defense	Quezon City, Philippines	1993

## 2. IDNDR meetings and conference held or planned:

DATE	LOCATION	ORGANIZING AGENCY	NAT'L & WITH JUSTIFICATION (PARTICIPATING AGENCY)
August 25, 1988	Office of Civil Defense, Camp Aguinaldo, Quezon City, Philippines	National Disaster Coordinating Council	National. NDCC members
October 28, 1992	Department of National Defense	OCD-NDCC	Nat'l. NDCC IDNDR Committee
October 4, 1993	Department of National Defense	OCD-NDCC	Nat'l. NDCC IDNDR Committee
October 7, 1993	Department of National Defense	NDCC	Nat'l. NDCC IDNDR Committee
October 11, 1993	Department of National Defense	NDCC	Nat'l. NDCC Chairman, NDCC IDNDR Committee Chairmen. Media
October 13, 1993	Department of National Defense	OCD-NDCC	Nat'l. NDCC IDNDR Committee

## 3. Current or planned partnerships and cooperation related to IDNDR with other countries

- a. The Philippine is participating in the disaster-training program organized by the Asian Disaster Preparedness Center (ADPC).
- b. A number of Filipinos have availed/continue to avail of the disaster prevention seminars in Japan.
- c. It is a recipient of IDNDR publications from Italy and Japan.
- d. Membership in the WMO/Typhoon Committee.
- e. Participating member of the ASEAN Expert's Group

## SECTION D: EVALUATION

(This section analyzes national progress and outline possible improvement)

1. Overall evaluation of national disaster mitigation programmes including, but not limited to, those initiated after IDNDR and achievements up to now.

(Please elaborate on whether the targets set by the National Committee, if any, the national disaster mitigation plans or other IDNDR activities have been met. If not, please indicate reasons.)

The Philippine National Committee for IDNDR and its four sub-committees, namely: Committees on Structural Measures, Non-structural Measures, Legislation and Disaster Research, prepared a 10-year program of activities on disaster preparedness, prevention and mitigation. A number of these activities have been undertaken and believed to have contributed much to the disaster management program of the country. However, much more is required to realize the IDNDR goal of saving lives and reducing damage to property. The Philippine government supports the IDNDR programme so much so that the present administration has integrated in its Medium-Term Philippine Development Plan, "Philippines 2000" a section on Disaster Mitigation.

2. Review of the IDNDR

(Critique of the Decade to date and suggestions for improvement/modifications in the second half.)

The world conference is very timely. Five years since the decade was launched and yet it appears a lot more need be done.

Relatedly, the following suggestions are posted:

1. More activities similar to the World Conference be held to bridge whatever gap there is between and among nations.
2. Intensify support to developing countries in the fields of science and technology as related to Disaster Preparedness, Prevention and Mitigation (DPFM).