

Chapter 9: Sustainable and Climate-Resilient Environment and Natural Resources

Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Agency Name	Program/Project Description	Spatial Coverage		PDP Chapter	16-Point Agenda Addressed	PDP Results Matrices (RM) Critical Indicators Addressed	Expected Date of Presentation to the ICC (if ICC-able)
			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Sector Goal: Sustained and Climate-resilient ENR								
Subsector Outcome A: Improved adaptive capacities of human communities								
Enhancement of Disaster Risk Reduction Capacity of Metro Manila	MMDA	Strengthen the disaster risk reduction and management facilities of this Agency and efficiently deliver metro-wide services through training and upgrading of facilities including communication system used especially during massive disasters to control human losses and damages to properties.	Region-specific	NCR	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Development of Climate Risk Maps for the 18 Major River Basins and Sub-basins of the Philippines	CCC	This project aims to characterize physical hazards and risks posed by climate change and will include components like development of flood models for the major river basins/sub-basins. Physical and socio-economic vulnerabilities of concerned populations and socio-economic support systems to meteorologically induced hazards will also be determined and will aid in informed decision-making.	Interregional	CAR, ARMM, II, III, VI, X & XII; 2017 and beyond: I, II, III, V & CAR	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Improvement of Flood Forecasting Warning System for Magat and Downstream Communities (FFWSDO) - NORAD Grant	PAGASA	The pre-requisites before any dam release operation is initiated include the close monitoring of Hydrometeorological conditions, both upstream and downstream areas of Magat dam which eventually will lead to the project's primary goal, that is, the timely issuance and dissemination of warnings to downstream areas. In order to attain this, it is necessary to have a reliable, dedicated and disaster-proof communication system that will allow the transmission of data and information between PAGASA, the Magat dam Office and the vulnerable communities.	Region-Specific	II	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Improvement of Meteorological Radar System - JICA Grant	PAGASA	Installation of Doppler radar in Virac, Guiuan and Aparri. The project also aims to improve the accuracy of forecast and the timeliness of warnings in order to minimize human casualties and damages to properties due to the occurrence of weather disturbances and the associated floods and landslides.	Interregional	II, V, VII	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Improvement of Capabilities to Cope with Natural Disasters Caused by Climate Change ( JICA)	PAGASA	To upgrade the Bicol Flood Forecasting Warning System in order to provide timely and accurate flood forecasts and warnings to meet the needs of the beneficiaries.	Region-Specific	V	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Sector Goal: Sustained and Climate-resilient ENR						
Subsector Outcome A: Improved adaptive capacities of human communities						
Enhancement of Disaster Risk Reduction Capacity of Metro Manila						-
Development of Climate Risk Maps for the 18 Major River Basins and Sub-basins of the Philippines						-
Improvement of Flood Forecasting Warning System for Magat and Downstream Communities (FFWSDO) - NORAD Grant						-
Improvement of Meteorological Radar System - JICA Grant						-
Improvement of Capabilities to Cope with Natural Disasters Caused by Climate Change ( JICA)						-

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	2014					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Sector Goal: Sustained and Climate-resilient ENR						
Subsector Outcome A: Improved adaptive capacities of human communities						
Enhancement of Disaster Risk Reduction Capacity of Metro Manila						-
Development of Climate Risk Maps for the 18 Major River Basins and Sub-basins of the Philippines	117,000.00					117,000.00
Improvement of Flood Forecasting Warning System for Magat and Downstream Communities (FFWSDO) - NORAD Grant						-
Improvement of Meteorological Radar System - JICA Grant						-
Improvement of Capabilities to Cope with Natural Disasters Caused by Climate Change ( JICA)	249,476.40					249,476.40

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2015					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Sector Goal: Sustained and Climate-resilient ENR						
Subsector Outcome A: Improved adaptive capacities of human communities						
Enhancement of Disaster Risk Reduction Capacity of Metro Manila						-
Development of Climate Risk Maps for the 18 Major River Basins and Sub-basins of the Philippines	117,000.00					117,000.00
Improvement of Flood Forecasting Warning System for Magat and Downstream Communities (FFWSDO) - NORAD Grant						-
Improvement of Meteorological Radar System - JICA Grant						-
Improvement of Capabilities to Cope with Natural Disasters Caused by Climate Change ( JICA)						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2016					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Sector Goal: Sustained and Climate-resilient ENR						
Subsector Outcome A: Improved adaptive capacities of human communities						
Enhancement of Disaster Risk Reduction Capacity of Metro Manila						-
Development of Climate Risk Maps for the 18 Major River Basins and Sub-basins of the Philippines	117,000.00					117,000.00
Improvement of Flood Forecasting Warning System for Magat and Downstream Communities (FFWSDO) - NORAD Grant						-
Improvement of Meteorological Radar System - JICA Grant						-
Improvement of Capabilities to Cope with Natural Disasters Caused by Climate Change ( JICA)						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Sector Goal: Sustained and Climate-resilient ENR						
Subsector Outcome A: Improved adaptive capacities of human communities						
Enhancement of Disaster Risk Reduction Capacity of Metro Manila	750,000.00					750,000.00
Development of Climate Risk Maps for the 18 Major River Basins and Sub-basins of the Philippines	351,000.00					351,000.00
Improvement of Flood Forecasting Warning System for Magat and Downstream Communities (FFWSDO) - NORAD Grant				75,048.58		75,048.58
Improvement of Meteorological Radar System - JICA Grant				1,402,473.16		1,402,473.16
Improvement of Capabilities to Cope with Natural Disasters Caused by Climate Change ( JICA)	249,476.40					249,476.40

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Sector Goal: Sustained and Climate-resilient ENR						
Subsector Outcome A: Improved adaptive capacities of human communities						
Enhancement of Disaster Risk Reduction Capacity of Metro Manila						-
Development of Climate Risk Maps for the 18 Major River Basins and Sub-basins of the Philippines	352,000.00					352,000.00
Improvement of Flood Forecasting Warning System for Magat and Downstream Communities (FFWSDO) - NORAD Grant						-
Improvement of Meteorological Radar System - JICA Grant						-
Improvement of Capabilities to Cope with Natural Disasters Caused by Climate Change ( JICA)						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Sector Goal: Sustained and Climate-resilient ENR						
Subsector Outcome A: Improved adaptive capacities of human communities						
Enhancement of Disaster Risk Reduction Capacity of Metro Manila	750,000.00					750,000.00
Development of Climate Risk Maps for the 18 Major River Basins and Sub-basins of the Philippines	703,000.00					703,000.00
Improvement of Flood Forecasting Warning System for Magat and Downstream Communities (FFWSDO) - NORAD Grant				75,048.58		75,048.58
Improvement of Meteorological Radar System - JICA Grant				1,402,473.16		1,402,473.16
Improvement of Capabilities to Cope with Natural Disasters Caused by Climate Change ( JICA)	249,476.40					249,476.40



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Program/Project Title	Agency Name	Program/Project Description	Spatial Coverage		PDP Chapter	16-Point Agenda Addressed	PDP Results Matrices (RM) Critical Indicators Addressed	Expected Date of Presentation to the ICC (if ICC-able)
			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Enhancing Risk Analysis Capacities for Flood, Tropical Cyclone Severe Wind and Earthquake for GMMA (Phase 1 - Taguig City, Metro Manila) 2011-2014 (RDTD)	PAGASA	The project will build PAGASA's capacity to assess the impact and risk from Severe Wind associated with tropical cyclones. The outcome of the project will contribute in making the Philippines population better prepared for and protected from natural disasters by informing the reduction severe wind risk in vulnerable communities within GMMA.	Region-Specific	NCR	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Enhancing PAGASA's Impact and Risk Assessment Capability for Severe Wind Associated with Tropical cyclone, (Legaspi City, Albay)	PAGASA	The project will build PAGASA's capacity to assess the impact and risk from Severe Wind associated with tropical cyclones. The output of the project can be used for land use and emergency planning.	Region-Specific	V	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Intercomparison and Validation of Radar Rainfall Estimates Using Rainuage data for Hinatuan and Cebu Radar (RDTD)	PAGASA	Validation of rainfall estimates of Hinatuan and Cebu Radar in relationship to the ground rainfall observed in HMD telemetered rainfall stations. The research aims to determine the greatest distance the radar scans with higher validity in terms of rainfall amount using regression correlation method. It is envisioned that the completion of this research provide tool on proper utilization of radar technology in nowcasting. The hourly observed rainfall in 23 HMD telemetered stations. The correlations and rainfall volume errors will be studied as the distance of rains from the radar increases.	Interregional	III, VII	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
A Study of Thunderstorm Forecasting at Selected Areas in the Philippines (RDTD)	PAGASA	The RWS is a decision support tool designed to alert concerned communities and emergency managers about heavy rainfall event that would cause of aggravate flooding. This study was conceived to serve the needs of decision-Makers and other Stakeholders and provide meaningful information that allows individuals and communities to protect their lives and property. Early Warning information empowers people to take action when a disaster is about to happen.	Region-Specific	NCR	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Validation of Radar Rainfall Estimates of Subic Radar in the Agno-Pampanga River Basin (RDTD)	PAGASA	Validation of rainfall estimates of Subic Radar in relationship to the ground rainfall observed in HMD telemetered rainfall stations within the Agno-Pampanga river basin. This aims to determine the greatest distance the radar scans with higher validity in terms of rainfall amount using regression correlation method. It is envisioned that the completion of this research provide tool on the proper utilization of radar technology in nowcasting of rainfall particularly in the Agno-Pampanga river Basin.	Region-Specific	III	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	

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	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Enhancing Risk Analysis Capacities for Flood, Tropical Cyclone Severe Wind and Earthquake for GMMA (Phase 1 - Taguig City, Metro Manila) 2011-2014 (RDTD)						-
Enhancing PAGASA's Impact and Risk Assessment Capability for Severe Wind Associated with Tropical cyclone, (Legaspi City, Albay)						-
Intercomparison and Validation of Radar Rainfall Estimates Using Rainguage data for Hinatuan and Cebu Radar (RDTD)						-
A Study of Thunderstorm Forecasting at Selected Areas in the Philippines (RDTD)						-
Validation of Radar Rainfall Estimates of Subic Radar in the Agno-Pampanga River Basin (RDTD)						-

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Enhancing Risk Analysis Capacities for Flood, Tropical Cyclone Severe Wind and Earthquake for GMMA (Phase 1 - Taguig City, Metro Manila) 2011-2014 (RDTD)						-
Enhancing PAGASA's Impact and Risk Assessment Capability for Severe Wind Associated with Tropical cyclone, (Legaspi City, Albay)						-
Intercomparison and Validation of Radar Rainfall Estimates Using Rainguage data for Hinatuan and Cebu Radar (RDTD)						-
A Study of Thunderstorm Forecasting at Selected Areas in the Philippines (RDTD)						-
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Enhancing Risk Analysis Capacities for Flood, Tropical Cyclone Severe Wind and Earthquake for GMMA (Phase 1 - Taguig City, Metro Manila) 2011-2014 (RDTD)						-
Enhancing PAGASA's Impact and Risk Assessment Capability for Severe Wind Associated with Tropical cyclone, (Legaspi City, Albay)						-
Intercomparison and Validation of Radar Rainfall Estimates Using Rainguage data for Hinatuan and Cebu Radar (RDTD)						-
A Study of Thunderstorm Forecasting at Selected Areas in the Philippines (RDTD)						-
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	2016					
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(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Enhancing Risk Analysis Capacities for Flood, Tropical Cyclone Severe Wind and Earthquake for GMMA (Phase 1 - Taguig City, Metro Manila) 2011-2014 (RDTD)						-
Enhancing PAGASA's Impact and Risk Assessment Capability for Severe Wind Associated with Tropical cyclone, (Legaspi City, Albay)						-
Intercomparison and Validation of Radar Rainfall Estimates Using Rainguage data for Hinatuan and Cebu Radar (RDTD)						-
A Study of Thunderstorm Forecasting at Selected Areas in the Philippines (RDTD)						-
Validation of Radar Rainfall Estimates of Subic Radar in the Agno-Pampanga River Basin (RDTD)						-

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	Total (2013-2016)					
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(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Enhancing Risk Analysis Capacities for Flood, Tropical Cyclone Severe Wind and Earthquake for GMMA (Phase 1 - Taguig City, Metro Manila) 2011-2014 (RDTD)	1,282.00					1,282.00
Enhancing PAGASA's Impact and Risk Assessment Capability for Severe Wind Associated with Tropical cyclone, (Legaspi City, Albay)	310.00					310.00
Intercomparison and Validation of Radar Rainfall Estimates Using Rainguage data for Hinatuan and Cebu Radar (RDTD)	355.00					355.00
A Study of Thunderstorm Forecasting at Selected Areas in the Philippines (RDTD)	400.00					400.00
Validation of Radar Rainfall Estimates of Subic Radar in the Agno-Pampanga River Basin (RDTD)	465.00					465.00

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	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Enhancing Risk Analysis Capacities for Flood, Tropical Cyclone Severe Wind and Earthquake for GMMA (Phase 1 - Taguig City, Metro Manila) 2011-2014 (RDTD)						-
Enhancing PAGASA's Impact and Risk Assessment Capability for Severe Wind Associated with Tropical cyclone, (Legaspi City, Albay)						-
Intercomparison and Validation of Radar Rainfall Estimates Using Rainguage data for Hinatuan and Cebu Radar (RDTD)						-
A Study of Thunderstorm Forecasting at Selected Areas in the Philippines (RDTD)						-
Validation of Radar Rainfall Estimates of Subic Radar in the Agno-Pampanga River Basin (RDTD)						-

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	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Enhancing Risk Analysis Capacities for Flood, Tropical Cyclone Severe Wind and Earthquake for GMMA (Phase 1 - Taguig City, Metro Manila) 2011-2014 (RDTD)	1,282.00					1,282.00
Enhancing PAGASA's Impact and Risk Assessment Capability for Severe Wind Associated with Tropical cyclone, (Legaspi City, Albay)	310.00					310.00
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			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Enhancement Doppler Radar Network for National Weather Watch, Accurate Forecasting and Flood Early Warning	PAGASA	The Doppler Radar stations to be established at the western seaboard will complete the coverage and monitoring of the country and will provide reliable and real-time data for the provisions of hourly tropical cyclone updates as well as to monitor thunderstorm and heavy rains in real time. The aviation, maritime and shipping, agriculture, health, defense, public weather services and environmental monitoring sectors will definitely benefit from the project.	Interregional	IV-B, VI, IX	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Establishment of National Meteorological and Climate Center	PAGASA	To establish a World Class Meteorological Center and can adapt to the latest technology.	Region-Specific	NCR	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Development of Hybrid Weather Monitoring System and Production of Weather and Rain Automated Stations	PAGASA	The project will develop and deploy a network of 80 Automatic Weather Station (AWS) and 100 automated rain gauge (ARG), which will be made redundant, throughout the Philippines to monitor real time weather changes occurring in specific areas or localities.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Philippine Climate Change Adaption Project (PhilCCAP)	PAGASA	The Philippines Climate Change Adaptation Program, Phase 1 (PhilCCAP1), the first phase of a long-term program of the Government of the Philippines to develop measures to better adapt to climate change impacts and respond to climate change-related risks and hazards. The program comprises the following four components: Component 1, Adaptation Policy Oversight and Implementation of CCA Framework; Component 2, Demonstrating Climate Change Adaptation Strategies in the Agriculture and Natural Resources Sectors; Component 3, Enhanced Provision of Scientific Information for Climate Risk Management; and Component 4, Project Management.	Interregional	II, III, VI, VIII	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Regional Capacity Development Technical Assistance (R-CDTA) for Applying Remote Sensing Technology in River Basin Management (JAXA-ADB)	PAGASA	Technical assistance for utilization of remote sensing product for Flood Forecasting purposes.	Region-Specific	II	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	

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(A)	(J)	(K)	(L)	(M)	(N)	(O)
Enhancement Doppler Radar Network for National Weather Watch, Accurate Forecasting and Flood Early Warning						-
Establishment of National Meteorological and Climate Center						-
Development of Hybrid Weather Monitoring System and Production of Weather and Rain Automated Stations						-
Philippine Climate Change Adaption Project (PhiCCAP)						-
Regional Capacity Development Technical Assistance (R-CDTA) for Applying Remote Sensing Technology in River Basin Management (JAXA-ADB)						-

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(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Enhancement Doppler Radar Network for National Weather Watch, Accurate Forecasting and Flood Early Warning						-
Establishment of National Meteorological and Climate Center						-
Development of Hybrid Weather Monitoring System and Production of Weather and Rain Automated Stations						-
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Regional Capacity Development Technical Assistance (R-CDTA) for Applying Remote Sensing Technology in River Basin Management (JAXA-ADB)						-

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(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Enhancement Doppler Radar Network for National Weather Watch, Accurate Forecasting and Flood Early Warning						-
Establishment of National Meteorological and Climate Center						-
Development of Hybrid Weather Monitoring System and Production of Weather and Rain Automated Stations						-
Philippine Climate Change Adaption Project (PhiCCAP)						-
Regional Capacity Development Technical Assistance (R-CDTA) for Applying Remote Sensing Technology in River Basin Management (JAXA-ADB)						-

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(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Enhancement Doppler Radar Network for National Weather Watch, Accurate Forecasting and Flood Early Warning						-
Establishment of National Meteorological and Climate Center						
Development of Hybrid Weather Monitoring System and Production of Weather and Rain Automated Stations						-
Philippine Climate Change Adaption Project (PhiCCAP)						-
Regional Capacity Development Technical Assistance (R-CDTA) for Applying Remote Sensing Technology in River Basin Management (JAXA-ADB)						-

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	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Enhancement Doppler Radar Network for National Weather Watch, Accurate Forecasting and Flood Early Warning	63,800.00					63,800.00
Establishment of National Meteorological and Climate Center	266,000.00					266,000.00
Development of Hybrid Weather Monitoring System and Production of Weather and Rain Automated Stations	220.03					220.03
Philippine Climate Change Adaption Project (PhiCCAP)	13,000.00					13,000.00
Regional Capacity Development Technical Assistance (R-CDTA) for Applying Remote Sensing Technology in River Basin Management (JAXA-ADB)	107,380.00					107,380.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Enhancement Doppler Radar Network for National Weather Watch, Accurate Forecasting and Flood Early Warning						-
Establishment of National Meteorological and Climate Center						-
Development of Hybrid Weather Monitoring System and Production of Weather and Rain Automated Stations						-
Philippine Climate Change Adaption Project (PhiCCAP)						-
Regional Capacity Development Technical Assistance (R-CDTA) for Applying Remote Sensing Technology in River Basin Management (JAXA-ADB)						-

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	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Enhancement Doppler Radar Network for National Weather Watch, Accurate Forecasting and Flood Early Warning	63,800.00					63,800.00
Establishment of National Meteorological and Climate Center	266,000.00					266,000.00
Development of Hybrid Weather Monitoring System and Production of Weather and Rain Automated Stations	220.03					220.03
Philippine Climate Change Adaption Project (PhiCCAP)	13,000.00					13,000.00
Regional Capacity Development Technical Assistance (R-CDTA) for Applying Remote Sensing Technology in River Basin Management (JAXA-ADB)	107,380.00					107,380.00



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Program/Project Title	Agency Name	Program/Project Description	Spatial Coverage		PDP Chapter	16-Point Agenda Addressed	PDP Results Matrices (RM) Critical Indicators Addressed	Expected Date of Presentation to the ICC (if ICC-able)
			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Assessment of Climate Change Impacts in Mapping of Vulnerability to Food Insecurity under Climate Change to Strengthen Household Food Security with Livelihoods Adaption Approaches (CAD)	PAGASA	To assist developing countries to address comprehensive climate change adaptation planning targeted at improving food security of vulnerable household groups through impact assessments, development of an information and mapping system for food security and climate change, and livelihoods' adaptation approaches.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Development of an Ensemble of Climate Change Scenario in the Philippines (CAD)	PAGASA	Downscaling of high- resolution Climate //Climate Change Information from the coarse-resolution Global Climate Models (GCMs) using the Conformal-Cubic Atmospheric Model (CCAM). And post processing the output of CCAM and the Providing Regional Climates for Impact Studies.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Development of Drought Monitoring Index for the Philippines using Standard Precipitation Index (SPI) as a Drought Monitoring Tool (CAD)	PAGASA	Establishment of Drought Index for the Philippines using SPI.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Climate Impact modeling on Various Sectors (CAD)	PAGASA	Impact modeling tool for the water sector and agriculture.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Isohyetal Analysis of Tropical Cyclone Rainfall During its Occurrence within the PAR	PAGASA	Isohyetal analysis may be used to provide rainfall estimates in areas that do not have measurements to aid them in the implementation of disaster preparedness plan. The study, a thirty year six-hourly rainfall data associated with the passage of tropical cyclones within the Philippines Area of Responsibility will be the basis for the development of isohyetal maps. a thirty record from 1983 to 2012 of six-hourly tropical cyclone position and corresponding rainfall observations in 58 PAGASA synoptic will be obtained.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Assessment of Climate Change Impacts in Mapping of Vulnerability to Food Insecurity under Climate Change to Strengthen Household Food Security with Livelihoods Adaption Approaches (CAD)						-
Development of an Ensemble of Climate Change Scenario in the Philippines (CAD)						-
Development of Drought Monitoring Index for the Philippines using Standard Precipitation Index (SPI) as a Drought Monitoring Tool (CAD)	150.00					150.00
Climate Impact modeling on Various Sectors (CAD)						-
Isohyetal Analysis of Tropical Cyclone Rainfall During its Occurrence within the PAR						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2014					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Assessment of Climate Change Impacts in Mapping of Vulnerability to Food Insecurity under Climate Change to Strengthen Household Food Security with Livelihoods Adaption Approaches (CAD)						-
Development of an Ensemble of Climate Change Scenario in the Philippines (CAD)						-
Development of Drought Monitoring Index for the Philippines using Standard Precipitation Index (SPI) as a Drought Monitoring Tool (CAD)						-
Climate Impact modeling on Various Sectors (CAD)						-
Isohyetal Analysis of Tropical Cyclone Rainfall During its Occurrence within the PAR						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2015					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Assessment of Climate Change Impacts in Mapping of Vulnerability to Food Insecurity under Climate Change to Strengthen Household Food Security with Livelihoods Adaption Approaches (CAD)						-
Development of an Ensemble of Climate Change Scenario in the Philippines (CAD)						-
Development of Drought Monitoring Index for the Philippines using Standard Precipitation Index (SPI) as a Drought Monitoring Tool (CAD)						-
Climate Impact modeling on Various Sectors (CAD)						-
Isohyetal Analysis of Tropical Cyclone Rainfall During its Occurrence within the PAR						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2016					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Assessment of Climate Change Impacts in Mapping of Vulnerability to Food Insecurity under Climate Change to Strengthen Household Food Security with Livelihoods Adaption Approaches (CAD)						-
Development of an Ensemble of Climate Change Scenario in the Philippines (CAD)						-
Development of Drought Monitoring Index for the Philippines using Standard Precipitation Index (SPI) as a Drought Monitoring Tool (CAD)						-
Climate Impact modeling on Various Sectors (CAD)						-
Isohyetal Analysis of Tropical Cyclone Rainfall During its Occurrence within the PAR						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Assessment of Climate Change Impacts in Mapping of Vulnerability to Food Insecurity under Climate Change to Strengthen Household Food Security with Livelihoods Adaption Approaches (CAD)	692.50					692.50
Development of an Ensemble of Climate Change Scenario in the Philippines (CAD)	10,300.00					10,300.00
Development of Drought Monitoring Index for the Philippines using Standard Precipitation Index (SPI) as a Drought Monitoring Tool (CAD)	150.00					150.00
Climate Impact modeling on Various Sectors (CAD)	2,200.00					2,200.00
Isohyetal Analysis of Tropical Cyclone Rainfall During its Occurrence within the PAR	320.00					320.00

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Assessment of Climate Change Impacts in Mapping of Vulnerability to Food Insecurity under Climate Change to Strengthen Household Food Security with Livelihoods Adaption Approaches (CAD)						-
Development of an Ensemble of Climate Change Scenario in the Philippines (CAD)						-
Development of Drought Monitoring Index for the Philippines using Standard Precipitation Index (SPI) as a Drought Monitoring Tool (CAD)						-
Climate Impact modeling on Various Sectors (CAD)						-
Isohyetal Analysis of Tropical Cyclone Rainfall During its Occurrence within the PAR						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Assessment of Climate Change Impacts in Mapping of Vulnerability to Food Insecurity under Climate Change to Strengthen Household Food Security with Livelihoods Adaption Approaches (CAD)	692.50					692.50
Development of an Ensemble of Climate Change Scenario in the Philippines (CAD)	10,300.00					10,300.00
Development of Drought Monitoring Index for the Philippines using Standard Precipitation Index (SPI) as a Drought Monitoring Tool (CAD)	150.00					150.00
Climate Impact modeling on Various Sectors (CAD)	2,200.00					2,200.00
Isohyetal Analysis of Tropical Cyclone Rainfall During its Occurrence within the PAR	320.00					320.00



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Program/Project Title	Agency Name	Program/Project Description	Spatial Coverage		PDP Chapter	16-Point Agenda Addressed	PDP Results Matrices (RM) Critical Indicators Addressed	Expected Date of Presentation to the ICC (if ICC-able)
			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Human Response to Tropical Cyclone Warning in Less Frequented Areas	PAGASA	Post disaster assessments of severe weather events are of particular value in improving the performance of warning system, providing important lessons regarding the dissemination of warnings, the overall management of preparedness and response and public awareness. The study shall conduct community survey in Mindanao area which is less frequented by tropical cyclone using prepared questionnaires designed to assess the influence of: 1) socio-economic status, 2) Warning Comprehension, and 3) frequency of disaster event on the action taken based on the issued tropical cyclone warning.	Interregional	Mindanao	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Integrated Vulnerability Assessment Tools Developed	CCC	The project aims develop a tool to integrate all the results of sectoral vulnerability assessment to facilitate a comprehensive look on the overall vulnerability of the area and would then provide a inclusive approach to development.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Sectoral Mitigation Analysis	CCC	These sectoral mitigation analyses would assist government in formulating climate change mitigation policies, prioritizing options and implementing PAPs that would lead to a low emission development pathway that is consistent with our national development priorities.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Emission Factors Developed	CCC	Developing country-specific emission factors will help improve the quality of emissions reporting. Identification of emission factors to be developed would be based on key sources of our emissions as reflected in our most recent national greenhouse gas inventory.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Enhancement of earthquake and volcano monitoring and effective utilization of disaster mitigation information in the Philippines	PHIVOLCS	To establish real-time earthquake monitoring systems, integrated volcano monitoring systems in Taal and Mayon Volcanoes, and portal site of earthquake and volcano disaster mitigation information.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Enhancement of volcano, earthquake and tsunami warning systems for disaster reduction in the Philippines	PHIVOLCS	Will install 240 intensity meters, 19 tsunami sensors, 36 strong motion seismometers.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Human Response to Tropical Cyclone Warning in Less Frequented Areas	300.00					300.00
Integrated Vulnerability Assessment Tools Developed						-
Sectoral Mitigation Analysis						-
Emission Factors Developed						-
Enhancement of earthquake and volcano monitoring and effective utilization of disaster mitigation information in the Philippines						-
Enhancement of volcano, earthquake and tsunami warning systems for disaster reduction in the Philippines						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2014					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Human Response to Tropical Cyclone Warning in Less Frequented Areas						-
Integrated Vulnerability Assessment Tools Developed						-
Sectoral Mitigation Analysis						-
Emission Factors Developed						-
Enhancement of earthquake and volcano monitoring and effective utilization of disaster mitigation information in the Philippines						-
Enhancement of volcano, earthquake and tsunami warning systems for disaster reduction in the Philippines						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2015					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Human Response to Tropical Cyclone Warning in Less Frequented Areas						-
Integrated Vulnerability Assessment Tools Developed						-
Sectoral Mitigation Analysis						-
Emission Factors Developed						-
Enhancement of earthquake and volcano monitoring and effective utilization of disaster mitigation information in the Philippines						-
Enhancement of volcano, earthquake and tsunami warning systems for disaster reduction in the Philippines						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2016					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Human Response to Tropical Cyclone Warning in Less Frequented Areas						-
Integrated Vulnerability Assessment Tools Developed						-
Sectoral Mitigation Analysis						-
Emission Factors Developed						-
Enhancement of earthquake and volcano monitoring and effective utilization of disaster mitigation information in the Philippines						-
Enhancement of volcano, earthquake and tsunami warning systems for disaster reduction in the Philippines						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Human Response to Tropical Cyclone Warning in Less Frequented Areas	300.00					300.00
Integrated Vulnerability Assessment Tools Developed	1,200,000.00					1,200,000.00
Sectoral Mitigation Analysis	6,000.00					6,000.00
Emission Factors Developed	6,000.00					6,000.00
Enhancement of earthquake and volcano monitoring and effective utilization of disaster mitigation information in the Philippines	30,800.00					30,800.00
Enhancement of volcano, earthquake and tsunami warning systems for disaster reduction in the Philippines	41,000.00					41,000.00

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Human Response to Tropical Cyclone Warning in Less Frequented Areas						-
Integrated Vulnerability Assessment Tools Developed	1,200,000.00					1,200,000.00
Sectoral Mitigation Analysis						-
Emission Factors Developed						-
Enhancement of earthquake and volcano monitoring and effective utilization of disaster mitigation information in the Philippines						-
Enhancement of volcano, earthquake and tsunami warning systems for disaster reduction in the Philippines						-

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	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Human Response to Tropical Cyclone Warning in Less Frequented Areas	300.00					300.00
Integrated Vulnerability Assessment Tools Developed	2,400,000.00					2,400,000.00
Sectoral Mitigation Analysis	6,000.00					6,000.00
Emission Factors Developed	6,000.00					6,000.00
Enhancement of earthquake and volcano monitoring and effective utilization of disaster mitigation information in the Philippines	30,800.00					30,800.00
Enhancement of volcano, earthquake and tsunami warning systems for disaster reduction in the Philippines	41,000.00					41,000.00



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			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Rehabilitation of volcano observatories and construction of seismic vaults and housing for volcano monitoring and unmanned seismic stations for earthquake monitoring	PHIVOLCS	Will increase PHIVOLCS monitoring stations to 85 by 2016.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
PHIVOLCS modernization and upgrading program	PHIVOLCS	Upgrading of PHIVOLCS earthquake and volcano observation, monitoring, warning and information systems, equipment and facilities.	Nationwide		9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Enhancing LGU Capacity on Climate Change Adaptation and Disaster Risk Management, and Seal of Disaster Preparedness	DILG	The project aims to build the capacities of the local government units in addressing the impacts of disaster and climate change. It will also help build LGU infrastructure resiliency to cope, withstand and respond to natural disaster and adapt to Climate Change. LGUs are likewise assisted in preparing project proposals for them to access credit financing for the following: a). construction of DR/CC-resilient infrastructure project, b). structural retrofitting for increased resiliency of identified critical infrastructure and c). provision for support equipment for disaster preparedness and response.	Interregional	CAR, I, II, III, IV-A, V, VI, VII, IX, X, XII, CARAGA, ARMM, NCR	9	15	Annual damages and losses (crops and properties) due to natural disasters, environmental hazards, human induced and hydro-meteorological events	
Subsector Outcome B: Sustainably managed natural resources								
Forest Development, Rehabilitation and Protection (a restructured PAP from Forest Development/National Greening Program, Community-Based Forestry Program and Soil Conservation and Watershed Management)	DENR	To produce 1.5 Billion seedlings to be planted in 1.5 M hectares of lands of the public domain 2011-2016.	Nationwide		9	15	Open and denuded forest land area (M ha) reduced	
Clonal Nursery and Production of Quality Planting Materials of Premium and Indigenous Forest Species	DENR	To produce 100 M of quality planting materials starting 2013, including establishment and maintenance of clonal nurseries, seed production areas and mycorrhiza production facilities.	Nationwide		9	15	Open and denuded forest land area (M ha) reduced	
Forestland Management Project (FMP)	DENR	To strengthen forestland management through collaborative and holistic implemetation of comprehensive and sustainable forestland management strategies in three critical river basins,i.e. Upper Magat and Cagayan, Upper Pampanga and Jalaur covering a total area of 182,400 hectaresin Regions 2, CAR, 3 & 6.	Interregional	CAR, II, III, VI	9	15	Open and denuded forest land area (M ha) reduced	

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Rehabilitation of volcano observatories and construction of seismic vaults and housing for volcano monitoring and unmanned seismic stations for earthquake monitoring						-
PHIVOLCS modernization and upgrading program						-
Enhancing LGU Capacity on Climate Change Adaptation and Disaster Risk Management, and Seal of Disaster Preparedness						-
Subsector Outcome B: Sustainably managed natural resources						
Forest Development, Rehabilitation and Protection (a restructured PAP from Forest Development/National Greening Program, Community-Based Forestry Program and Soil Conservation and Watershed Management)	5,489,769.00					5,489,769.00
Clonal Nursery and Production of Quality Planting Materials of Premium and Indigenous Forest Species	848,328.00					848,328.00
Forestland Management Project (FMP)	76,790.00			228,970.00		305,760.00

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	2014					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Rehabilitation of volcano observatories and construction of seismic vaults and housing for volcano monitoring and unmanned seismic stations for earthquake monitoring						-
PHIVOLCS modernization and upgrading program						-
Enhancing LGU Capacity on Climate Change Adaptation and Disaster Risk Management, and Seal of Disaster Preparedness						-
Subsector Outcome B: Sustainably managed natural resources						
Forest Development, Rehabilitation and Protection (a restructured PAP from Forest Development/National Greening Program, Community-Based Forestry Program and Soil Conservation and Watershed Management)	6,208,051.00					6,208,051.00
Clonal Nursery and Production of Quality Planting Materials of Premium and Indigenous Forest Species	557,720.00					557,720.00
Forestland Management Project (FMP)	123,980.00			315,980.00		439,960.00

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	2015					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Rehabilitation of volcano observatories and construction of seismic vaults and housing for volcano monitoring and unmanned seismic stations for earthquake monitoring						-
PHIVOLCS modernization and upgrading program						-
Enhancing LGU Capacity on Climate Change Adaptation and Disaster Risk Management, and Seal of Disaster Preparedness						-
Subsector Outcome B: Sustainably managed natural resources						
Forest Development, Rehabilitation and Protection (a restructured PAP from Forest Development/National Greening Program, Community-Based Forestry Program and Soil Conservation and Watershed Management)	13,448,845.00					13,448,845.00
Clonal Nursery and Production of Quality Planting Materials of Premium and Indigenous Forest Species	1,012,974.00					1,012,974.00
Forestland Management Project (FMP)	139,700.00			849,250.00		988,950.00

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	2016					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Rehabilitation of volcano observatories and construction of seismic vaults and housing for volcano monitoring and unmanned seismic stations for earthquake monitoring						-
PHIVOLCS modernization and upgrading program						-
Enhancing LGU Capacity on Climate Change Adaptation and Disaster Risk Management, and Seal of Disaster Preparedness						-
Subsector Outcome B: Sustainably managed natural resources						
Forest Development, Rehabilitation and Protection (a restructured PAP from Forest Development/National Greening Program, Community-Based Forestry Program and Soil Conservation and Watershed Management)	10,273,784.00					10,273,784.00
Clonal Nursery and Production of Quality Planting Materials of Premium and Indigenous Forest Species	1,049,674.00					1,049,674.00
Forestland Management Project (FMP)	140,430.00			1,096,070.00		1,236,500.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Rehabilitation of volcano observatories and construction of seismic vaults and housing for volcano monitoring and unmanned seismic stations for earthquake monitoring	58,750.00					58,750.00
PHIVOLCS modernization and upgrading program	416,019.00					416,019.00
Enhancing LGU Capacity on Climate Change Adaptation and Disaster Risk Management, and Seal of Disaster Preparedness	1,619,464.00					1,619,464.00
Subsector Outcome B: Sustainably managed natural resources						
Forest Development, Rehabilitation and Protection (a restructured PAP from Forest Development/National Greening Program, Community-Based Forestry Program and Soil Conservation and Watershed Management)	35,420,449.00					35,420,449.00
Clonal Nursery and Production of Quality Planting Materials of Premium and Indigenous Forest Species	3,468,696.00					3,468,696.00
Forestland Management Project (FMP)	480,900.00			2,490,270.00		2,971,170.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Rehabilitation of volcano observatories and construction of seismic vaults and housing for volcano monitoring and unmanned seismic stations for earthquake monitoring						-
PHIVOLCS modernization and upgrading program						-
Enhancing LGU Capacity on Climate Change Adaptation and Disaster Risk Management, and Seal of Disaster Preparedness						-
Subsector Outcome B: Sustainably managed natural resources						
Forest Development, Rehabilitation and Protection (a restructured PAP from Forest Development/National Greening Program, Community-Based Forestry Program and Soil Conservation and Watershed Management)						-
Clonal Nursery and Production of Quality Planting Materials of Premium and Indigenous Forest Species						-
Forestland Management Project (FMP)	616,050.00			2,037,900.00		2,653,950.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Rehabilitation of volcano observatories and construction of seismic vaults and housing for volcano monitoring and unmanned seismic stations for earthquake monitoring	58,750.00					58,750.00
PHIVOLCS modernization and upgrading program	416,019.00					416,019.00
Enhancing LGU Capacity on Climate Change Adaptation and Disaster Risk Management, and Seal of Disaster Preparedness	1,619,464.00					1,619,464.00
Subsector Outcome B: Sustainably managed natural resources						
Forest Development, Rehabilitation and Protection (a restructured PAP from Forest Development/National Greening Program, Community-Based Forestry Program and Soil Conservation and Watershed Management)	35,420,449.00					35,420,449.00
Clonal Nursery and Production of Quality Planting Materials of Premium and Indigenous Forest Species	3,468,696.00					3,468,696.00
Forestland Management Project (FMP)	1,096,950.00			4,528,170.00		5,625,120.00



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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Agency Name	Program/Project Description	Spatial Coverage		PDP Chapter	16-Point Agenda Addressed	PDP Results Matrices (RM) Critical Indicators Addressed	Expected Date of Presentation to the ICC (if ICC-able)
			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Land Survey, Disposition and Records Management (A restructured PAP from Land Management Services, Land Surveys - Cadastral, Field Network Survey, Survey of Foreshore, Reservation & Patrimonial Properties and Land Records Management)	DENR	To complete cadastral survey and approval of the remaining 310 cities and municipalities and issuance of residential patents by 2016, and 473,490 agricultural patents by 2015.	Nationwide		9	15	Number of beneficiaries with secured land tenure in residential lands zoned as residential areas	
Protected Areas Development and Management (a restructured PAP from A.III.c.1 Protected Area Management, A.III.c.2 NAPWNC, A.III.c.3 HTNP, A.III.c.4, A.III.c.9 Biodiversity Conservation (part); Mt. Apo, A.III.c.12 Apo and Tubbataha Reef, A.III.c.13 Mts. Banahaw and San Cristobal, A.III.c.14 Mt. Kitanglad, A.III.c.15 Northern Negros NP and Mt. Karlaon, A.III.c.16 Central Cebu NP)	DENR	The Program prescribes a comprehensive set of activities designed to ensure sustainable management of 82 protected areas.	Nationwide		9	15	Extinction of threatened species of wild flora and fauna prevented	
Management of Coastal and Marine Resources/Areas (formerly Coastal and Marine Resources Management)	DENR	To protect and rehabilitate 729,000 ha of coral reefs; To assist 719 LGUs in the effective implementation of ICM plans in consonance of NICMP.	Nationwide		9	15	Percentage of terrestrial, inland water and coastal and marine areas effectively and equitably managed	
Protection and Conservation of Wildlife (a restructured PAP from A.III.c.5 Philippine Eagle, A.III.c.4 Pawikan, A.III.c.7 Tamaraw, A.III.c.9 Biodiversity Conservation Program, A.III.c.10 Tarsier)	DENR	To improve population of 3 threatened species: Philippine Eagle, Tamaraw, and Philippine Cockatoo; to prevent extinction of 221 species of fauna and 526 species of flora; To increase percentage of terrestrial areas and inland water important for biodiversity and ecosystem services under effective management thru NIPAS and other conservation measures: terrestrial (from 2.10% to 8.85%); and Critical Habitats (from 0.0006% to 1.01%).	Nationwide		9	15	Extinction of threatened species of wild flora and fauna prevented	
Integrated Natural Resources Environmental Management Project (INREMP)	DENR	To generate increased revenues of LGUs and POs/IPOs-based watershed enterprise from watershed management, biodiversity conservation and livelihood investments.	Interregional	CAR, VII, X, ARMM	9	15	Open and denuded forest land area (M ha) reduced	
Integrated Coastal Resources Management Project (ICRMP)	DENR	To sustainably manage coastal resources and increase income for coastal communities.	Interregional	II, III, IV-B, V, VII, XI, NCR	9	15	Open and denuded forest land area (M ha) reduced	
Mineral Lands Administration	DENR	To rehabilitate (full and interim rehabilitation) six (6) abandoned mines (Bagacay Mine and 5 others).	Interregional	CAR, III, IV-B, VII, VIII	9	15	Number of abandoned mines rehabilitated	
Watershed Management/Development Program	LWUA	Protection, management and conservation of watersheds in 200 Water Districts.	Nationwide		9, 10	15	Open and denuded forest land area (M ha) reduced	
Addressing Desertification, Land Degradation and Drought in the Philippines Through Strengthening Capacities in the Implementation of Sustainable Land Management (SLM)	DA-BSWM	SLM is a strategic component of the national agriculture program expressed in the Philippine Development Plan 2011-2016. It addresses both processes of agricultural resource degradation and the underlying causes of unsustainability, recommending courses of actions.	Interregional		4, 9	15	Land degradation hotspots with developed sustainable land management (SLM) practices (in ha)	

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Land Survey, Disposition and Records Management (A restructured PAP from Land Management Services, Land Surveys - Cadastral, Field Network Survey, Survey of Foreshore, Reservation & Patrimonial Properties and Land Records Management)	642,959.00					642,959.00
Protected Areas Development and Management (a restructured PAP from A.III.c.1 Protected Area Management, A.III.c.2 NAPWNC, A.III.c.3 HTNP, A.III.c.4, A.III.c.9 Biodiversity Conservation (part); Mt. Apo, A.III.c.12 Apo and Tubbataha Reef, A.III.c.13 Mts. Banahaw and San Cristobal, A.III.c.14 Mt. Kitanglad, A.III.c.15 Northern Negros NP and Mt. Kanlaon, A.III.c.16 Central Cebu NP)	142,706.00					142,706.00
Management of Coastal and Marine Resources/Areas (formerly Coastal and Marine Resources Management)	143,885.00					143,885.00
Protection and Conservation of Wildlife (a restructured PAP from A.III.c.5 Philippine Eagle, A.III.c.4 Pawikan, A.III.c.7 Tamaraw, A.III.c.9 Biodiversity Conservation Program, A.III.c.10 Tarsier)	156,439.00					156,439.00
Integrated Natural Resources Environmental Management Project (INREMP)	15,950.00			176,230.00		192,180.00
Integrated Coastal Resources Management Project (ICRMP)	62,706.00			120,764.00		183,470.00
Mineral Lands Administration	137,792.00					137,792.00
Watershed Management/Development Program						-
Addressing Desertification, Land Degradation and Drought in the Philippines Through Strengthening Capacities in the Implementation of Sustainable Land Management (SLM)						-

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2014					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Land Survey, Disposition and Records Management (A restructured PAP from Land Management Services, Land Surveys - Cadastral, Field Network Survey, Survey of Foreshore, Reservation & Patrimonial Properties and Land Records Management)	1,287,489.00					1,287,489.00
Protected Areas Development and Management (a restructured PAP from A.III.c.1 Protected Area Management, A.III.c.2 NAPWNC, A.III.c.3 HTNP, A.III.c.4, A.III.c.9 Biodiversity Conservation (part); Mt. Apo, A.III.c.12 Apo and Tubbataha Reef, A.III.c.13 Mts. Banahaw and San Cristobal, A.III.c.14 Mt. Kitanglad, A.III.c.15 Northern Negros NP and Mt. Kanlaon, A.III.c.16 Central Cebu NP)	654,751.00				60,000.00	714,751.00
Management of Coastal and Marine Resources/Areas (formerly Coastal and Marine Resources Management)	172,787.00					172,787.00
Protection and Conservation of Wildlife (a restructured PAP from A.III.c.5 Philippine Eagle, A.III.c.4 Pawikan, A.III.c.7 Tamaraw, A.III.c.9 Biodiversity Conservation Program, A.III.c.10 Tarsier)	68,279.00					68,279.00
Integrated Natural Resources Environmental Management Project (INREMP)	512,431.00					512,431.00
Integrated Coastal Resources Management Project (ICRMP)	25,912.00			24,445.00		50,357.00
Mineral Lands Administration	128,955.00					128,955.00
Watershed Management/Development Program	50,000.00					50,000.00
Addressing Desertification, Land Degradation and Drought in the Philippines Through Strengthening Capacities in the Implementation of Sustainable Land Management (SLM)						-

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2015					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Land Survey, Disposition and Records Management (A restructured PAP from Land Management Services, Land Surveys - Cadastral, Field Network Survey, Survey of Foreshore, Reservation & Patrimonial Properties and Land Records Management)	392,941.00					392,941.00
Protected Areas Development and Management (a restructured PAP from A.III.c.1 Protected Area Management, A.III.c.2 NAPWNC, A.III.c.3 HTNP, A.III.c.4, A.III.c.9 Biodiversity Conservation (part); Mt. Apo, A.III.c.12 Apo and Tubbataha Reef, A.III.c.13 Mts. Banahaw and San Cristobal, A.III.c.14 Mt. Kitanglad, A.III.c.15 Northern Negros NP and Mt. Kanlaon, A.III.c.16 Central Cebu NP)	3,275,612.05				57,500.00	3,333,112.05
Management of Coastal and Marine Resources/Areas (formerly Coastal and Marine Resources Management)	1,834,593.00					1,834,593.00
Protection and Conservation of Wildlife (a restructured PAP from A.III.c.5 Philippine Eagle, A.III.c.4 Pawikan, A.III.c.7 Tamaraw, A.III.c.9 Biodiversity Conservation Program, A.III.c.10 Tarsier)	107,800.00					107,800.00
Integrated Natural Resources Environmental Management Project (INREMP)	109,220.00			902,550.00		1,011,770.00
Integrated Coastal Resources Management Project (ICRMP)						-
Mineral Lands Administration	156,339.00					156,339.00
Watershed Management/Development Program	50,000.00					50,000.00
Addressing Desertification, Land Degradation and Drought in the Philippines Through Strengthening Capacities in the Implementation of Sustainable Land Management (SLM)						-

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2016					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Land Survey, Disposition and Records Management (A restructured PAP from Land Management Services, Land Surveys - Cadastral, Field Network Survey, Survey of Foreshore, Reservation & Patrimonial Properties and Land Records Management)	249,566.00					249,566.00
Protected Areas Development and Management (a restructured PAP from A.III.c.1 Protected Area Management, A.III.c.2 NAPWNC, A.III.c.3 HTNP, A.III.c.4, A.III.c.9 Biodiversity Conservation (part); Mt. Apo, A.III.c.12 Apo and Tubbataha Reef, A.III.c.13 Mts. Banahaw and San Cristobal, A.III.c.14 Mt. Kitanglad, A.III.c.15 Northern Negros NP and Mt. Kanlaon, A.III.c.16 Central Cebu NP)	3,645,533.80				335,000.00	3,980,533.80
Management of Coastal and Marine Resources/Areas (formerly Coastal and Marine Resources Management)	1,829,643.00					1,829,643.00
Protection and Conservation of Wildlife (a restructured PAP from A.III.c.5 Philippine Eagle, A.III.c.4 Pawikan, A.III.c.7 Tamaraw, A.III.c.9 Biodiversity Conservation Program, A.III.c.10 Tarsier)	254,615.00					254,615.00
Integrated Natural Resources Environmental Management Project (INREMP)	119,450.00			1,006,830.00		1,126,280.00
Integrated Coastal Resources Management Project (ICRMP)						-
Mineral Lands Administration	194,932.00					194,932.00
Watershed Management/Development Program	50,000.00					50,000.00
Addressing Desertification, Land Degradation and Drought in the Philippines Through Strengthening Capacities in the Implementation of Sustainable Land Management (SLM)						-

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Land Survey, Disposition and Records Management (A restructured PAP from Land Management Services, Land Surveys - Cadastral, Field Network Survey, Survey of Foreshore, Reservation & Patrimonial Properties and Land Records Management)	2,572,955.00					2,572,955.00
Protected Areas Development and Management (a restructured PAP from A.III.c.1 Protected Area Management, A.III.c.2 NAPWNC, A.III.c.3 HTNP, A.III.c.4, A.III.c.9 Biodiversity Conservation (part); Mt. Apo, A.III.c.12 Apo and Tubbataha Reef, A.III.c.13 Mts. Banahaw and San Cristobal, A.III.c.14 Mt. Kitanglad, A.III.c.15 Northern Negros NP and Mt. Kanlaon, A.III.c.16 Central Cebu NP)	7,718,602.84				452,500.00	8,171,102.84
Management of Coastal and Marine Resources/Areas (formerly Coastal and Marine Resources Management)	3,980,908.00					3,980,908.00
Protection and Conservation of Wildlife (a restructured PAP from A.III.c.5 Philippine Eagle, A.III.c.4 Pawikan, A.III.c.7 Tamaraw, A.III.c.9 Biodiversity Conservation Program, A.III.c.10 Tarsier)	587,133.00					587,133.00
Integrated Natural Resources Environmental Management Project (INREMP)	757,051.00			2,085,610.00		2,842,661.00
Integrated Coastal Resources Management Project (ICRMP)	88,618.00			145,209.00		233,827.00
Mineral Lands Administration	618,018.00					618,018.00
Watershed Management/Development Program	150,000.00					150,000.00
Addressing Desertification, Land Degradation and Drought in the Philippines Through Strengthening Capacities in the Implementation of Sustainable Land Management (SLM)	42,847.00					42,847.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Land Survey, Disposition and Records Management (A restructured PAP from Land Management Services, Land Surveys - Cadastral, Field Network Survey, Survey of Foreshore, Reservation & Patrimonial Properties and Land Records Management)						-
Protected Areas Development and Management (a restructured PAP from A.III.c.1 Protected Area Management, A.III.c.2 NAPWNC, A.III.c.3 HTNP, A.III.c.4, A.III.c.9 Biodiversity Conservation (part); Mt. Apo, A.III.c.12 Apo and Tubbataha Reef, A.III.c.13 Mts. Banahaw and San Cristobal, A.III.c.14 Mt. Kitanglad, A.III.c.15 Northern Negros NP and Mt. Kanlaon, A.III.c.16 Central Cebu NP)						-
Management of Coastal and Marine Resources/Areas (formerly Coastal and Marine Resources Management)						-
Protection and Conservation of Wildlife (a restructured PAP from A.III.c.5 Philippine Eagle, A.III.c.4 Pawikan, A.III.c.7 Tamaraw, A.III.c.9 Biodiversity Conservation Program, A.III.c.10 Tarsier)						-
Integrated Natural Resources Environmental Management Project (INREMP)	335,710.00			2,358,800.00		2,694,510.00
Integrated Coastal Resources Management Project (ICRMP)						-
Mineral Lands Administration						-
Watershed Management/Development Program	50,000.00					50,000.00
Addressing Desertification, Land Degradation and Drought in the Philippines Through Strengthening Capacities in the Implementation of Sustainable Land Management (SLM)						-

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Land Survey, Disposition and Records Management (A restructured PAP from Land Management Services, Land Surveys - Cadastral, Field Network Survey, Survey of Foreshore, Reservation & Patrimonial Properties and Land Records Management)	2,572,955.00					2,572,955.00
Protected Areas Development and Management (a restructured PAP from A.III.c.1 Protected Area Management, A.III.c.2 NAPWNC, A.III.c.3 HTNP, A.III.c.4, A.III.c.9 Biodiversity Conservation (part); Mt. Apo, A.III.c.12 Apo and Tubbataha Reef, A.III.c.13 Mts. Banahaw and San Cristobal, A.III.c.14 Mt. Kitanglad, A.III.c.15 Northern Negros NP and Mt. Kanlaon, A.III.c.16 Central Cebu NP)	7,718,602.84				452,500.00	8,171,102.84
Management of Coastal and Marine Resources/Areas (formerly Coastal and Marine Resources Management)	3,980,908.00					3,980,908.00
Protection and Conservation of Wildlife (a restructured PAP from A.III.c.5 Philippine Eagle, A.III.c.4 Pawikan, A.III.c.7 Tamaraw, A.III.c.9 Biodiversity Conservation Program, A.III.c.10 Tarsier)	587,133.00					587,133.00
Integrated Natural Resources Environmental Management Project (INREMP)	1,092,761.00			4,444,410.00		5,537,171.00
Integrated Coastal Resources Management Project (ICRMP)	88,618.00			145,209.00		233,827.00
Mineral Lands Administration	618,018.00					618,018.00
Watershed Management/Development Program	200,000.00					200,000.00
Addressing Desertification, Land Degradation and Drought in the Philippines Through Strengthening Capacities in the Implementation of Sustainable Land Management (SLM)	42,847.00					42,847.00



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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Agency Name	Program/Project Description	Spatial Coverage		PDP Chapter	16-Point Agenda Addressed	PDP Results Matrices (RM) Critical Indicators Addressed	Expected Date of Presentation to the ICC (if ICC-able)
			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Watershed Evaluation for Sustainable Use of Sloping Agricultural Land in the Southern Philippines	DA-BSWM	The aim of this project is to enable improved planning of agricultural development in upland watersheds in the southern Philippines such that agricultural production can be increased and watersheds can be protected - precursors to reducing rural poverty and improving livelihoods.	Interregional	Bohol and Misamis Oriental	4, 9	15	Land degradation hotspots with developed sustainable land management (SLM) practices (in ha)	
Reforestation/Afforestation Project	LLDA	This project aims to restore the watershed's land cover for the improvement of the water resources of the Region.	Region-specific	IV-A	9	15	Open and denuded forest land area (M ha) reduced	
Removing Barriers to Invasive Species Management in Production and Protection Forests in Southeast Asia	DENR	To manage Southeast Asia forests and biodiversity sustainably by reducing negative environmental, economic and human consequences of Invasive Alien Species.	Region-Specific	XII	9	15	Extinction of threatened species of wild flora and fauna prevented	
Protected Areas Management Enhancement in the Philippines (PAME)	DENR	To improve protection and management of Key Biodiversity Areas in the Philippines.	Nationwide		9	15	Extinction of threatened species of wild flora and fauna prevented	
Unified Mapping Project	DENR	The project will provide detailed geospatial information to serve the requirements of various government agencies, through a nationwide image acquisition, and large to medium-scale topographic base mapping program that shall fit and provide the requirements of the government mapping activities.	Nationwide		9	15	Increased number of protected areas (PAs) with National Integrated Protected Areas System (NIPAS) maps; Increased number of LGUs with delineated municipal waters certified by neighboring LGUs; Completed maps for all provinces	
Topographic Base Mapping for Peace and Development in Mindanao	DENR	The project will update 227 medium scale maps of Mindanao for planning, monitoring and assessment, and decision-making.	Interregional	IX, X, XI, XII, XIII, ARMM	9	15	Number of beneficiaries with secured land tenure in public agricultural A&D lands completed by 2015	
Philippine Geoportal Project	DENR	The project will provide an on-line gateway that would integrate and provide access to geographically-referenced data generated by NAMRIA and other government agencies, the academe and other organizations. NAMRIA's maps shall serve as the standard basemap.	Nationwide		9	15	Number of beneficiaries with secured land tenure in public agricultural A&D lands completed by 2015	
Topographic Base Mapping and Geodetic Surveys [formerly Mapping and Remote Sensing]	DENR	The program will produce and update topographic base maps at various scales for use as reference in development planning, environmental management and in support to geo-hazard mapping.	Nationwide		9	15	Number of beneficiaries with secured land tenure in public agricultural A&D lands completed by 2015	
Resource Assessment and Mapping (formerly incorporated with Mapping and Remote Sensing)	DENR	This program will provide updated ENR data and statistics of the country's land resources, mainly through the analysis and interpretation of satellite imageries.	Nationwide		9	15	Completed maps for all the provinces	

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Watershed Evaluation for Sustainable Use of Sloping Agricultural Land in the Southern Philippines						-
Reforestation/Afforestation Project						-
Removing Barriers to Invasive Species Management in Production and Protection Forests in Southeast Asia	3,060.24			7,703.90		10,764.14
Protected Areas Management Enhancement in the Philippines (PAME)				172,250.00		172,250.00
Unified Mapping Project	1,549,500.00					1,549,500.00
Topographic Base Mapping for Peace and Development in Mindanao						-
Philippine Geoportals Project						-
Topographic Base Mapping and Geodetic Surveys [formerly Mapping and Remote Sensing]	325,872.00					325,872.00
Resource Assessment and Mapping (formerly incorporated with Mapping and Remote Sensing)	105,727.00					105,727.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2014					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Watershed Evaluation for Sustainable Use of Sloping Agricultural Land in the Southern Philippines						-
Reforestation/Afforestation Project						-
Removing Barriers to Invasive Species Management in Production and Protection Forests in Southeast Asia	5,919.01			3,854.00		9,773.01
Protected Areas Management Enhancement in the Philippines (PAME)				141,510.00		141,510.00
Unified Mapping Project						-
Topographic Base Mapping for Peace and Development in Mindanao						-
Philippine Geoportal Project	194,375.00					194,375.00
Topographic Base Mapping and Geodetic Surveys [formerly Mapping and Remote Sensing]	297,605.00					297,605.00
Resource Assessment and Mapping (formerly incorporated with Mapping and Remote Sensing)	76,894.00					76,894.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2015					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Watershed Evaluation for Sustainable Use of Sloping Agricultural Land in the Southern Philippines						-
Reforestation/Afforestation Project						-
Removing Barriers to Invasive Species Management in Production and Protection Forests in Southeast Asia	5,280.60			1,812.20		7,092.80
Protected Areas Management Enhancement in the Philippines (PAME)				91,425.00		91,425.00
Unified Mapping Project	1,429,000.00					1,429,000.00
Topographic Base Mapping for Peace and Development in Mindanao						-
Philippine Geoportals Project	100,000.00					100,000.00
Topographic Base Mapping and Geodetic Surveys [formerly Mapping and Remote Sensing]	360,849.00					360,849.00
Resource Assessment and Mapping (formerly incorporated with Mapping and Remote Sensing)	102,054.00					102,054.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2016					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Watershed Evaluation for Sustainable Use of Sloping Agricultural Land in the Southern Philippines						-
Reforestation/Afforestation Project						-
Removing Barriers to Invasive Species Management in Production and Protection Forests in Southeast Asia						-
Protected Areas Management Enhancement in the Philippines (PAME)				53,636.00		53,636.00
Unified Mapping Project	334,308.00					334,308.00
Topographic Base Mapping for Peace and Development in Mindanao						-
Philippine Geoportals Project	100,000.00					100,000.00
Topographic Base Mapping and Geodetic Surveys [formerly Mapping and Remote Sensing]	404,962.00					404,962.00
Resource Assessment and Mapping (formerly incorporated with Mapping and Remote Sensing)	101,868.00					101,868.00

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Watershed Evaluation for Sustainable Use of Sloping Agricultural Land in the Southern Philippines	1,295.00					1,295.00
Reforestation/Afforestation Project						-
Removing Barriers to Invasive Species Management in Production and Protection Forests in Southeast Asia	14,259.84			13,370.10		27,629.94
Protected Areas Management Enhancement in the Philippines (PAME)				458,821.00		458,821.00
Unified Mapping Project	3,312,808.00					3,312,808.00
Topographic Base Mapping for Peace and Development in Mindanao						-
Philippine Geoportal Project	394,375.00					394,375.00
Topographic Base Mapping and Geodetic Surveys [formerly Mapping and Remote Sensing]	1,389,288.00					1,389,288.00
Resource Assessment and Mapping (formerly incorporated with Mapping and Remote Sensing)	386,543.00					386,543.00

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Watershed Evaluation for Sustainable Use of Sloping Agricultural Land in the Southern Philippines						-
Reforestation/Afforestation Project						-
Removing Barriers to Invasive Species Management in Production and Protection Forests in Southeast Asia						-
Protected Areas Management Enhancement in the Philippines (PAME)						-
Unified Mapping Project	333,760.00					333,760.00
Topographic Base Mapping for Peace and Development in Mindanao						-
Philippine Geoportals Project						-
Topographic Base Mapping and Geodetic Surveys [formerly Mapping and Remote Sensing]	1,619,848.00					1,619,848.00
Resource Assessment and Mapping (formerly incorporated with Mapping and Remote Sensing)	182,358.00					182,358.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Watershed Evaluation for Sustainable Use of Sloping Agricultural Land in the Southern Philippines	1,295.00					1,295.00
Reforestation/Afforestation Project	-					no cost reflected in the submission
Removing Barriers to Invasive Species Management in Production and Protection Forests in Southeast Asia	14,259.84			13,370.10		27,629.94
Protected Areas Management Enhancement in the Philippines (PAME)				458,821.00		458,821.00
Unified Mapping Project	3,646,568.00					3,646,568.00
Topographic Base Mapping for Peace and Development in Mindanao	-					no cost reflected in the submission
Philippine Geoportal Project	394,375.00					394,375.00
Topographic Base Mapping and Geodetic Surveys [formerly Mapping and Remote Sensing]	3,009,136.00					3,009,136.00
Resource Assessment and Mapping (formerly incorporated with Mapping and Remote Sensing)	568,901.00					568,901.00



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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Agency Name	Program/Project Description	Spatial Coverage		PDP Chapter	16-Point Agenda Addressed	PDP Results Matrices (RM) Critical Indicators Addressed	Expected Date of Presentation to the ICC (if ICC-able)
			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Protection and Rehabilitation of Coastal Ecosystem for an Improved Climate Change Adaptation in the Philippines as a contribution to the Coral Triangle	DENR	To contribute to improved governance of Marine Protected Areas (MPAs) for increased climate change adaptation and conservation of biodiversity in the Philippines.	Region-Specific	VI	9	15	Percentage of terrestrial, inland water and coastal and marine areas effectively and equitably managed	
Conservation and Adaptive Management of Globally Important Agricultural Heritage Systems - Ifugao Rice Terraces (GIAHS-IRT)	DENR	The program aims to provide systematic support to conservation and adaptive management of GIAHS from site to national global level strategy project implementation. Seven countries including Philippines, Chile, China, Peru, Tunisia, Algeria, and Morocco.	Region-Specific	CAR	9	15	Percentage of terrestrial, inland water and coastal and marine areas effectively and equitably managed	
Expanding and Diversifying the National System of Terrestrial Protected Areas in the Philippines (EDNSTPAP) or New Conservation Areas project in the Philippines (NewCAPP)	DENR	To expand and strengthen terrestrial PA system in the Philippines by developing new PA models and building capacity for effective management of the system.	Interregional	CAR, III, IV-A, IV-B, VII, VIII, XIII	9	15	Percentage of terrestrial, inland water and coastal and marine areas effectively and equitably managed	
Camiguin Coastal Resource Management Project (CCRMP)	DENR	To improve integrity and increased productivity of marine and coastal resources while providing sustainable economic activities towards an improved quality of life of coastal communities.	Region-Specific	X	9	15	Percentage of terrestrial, inland water and coastal and marine areas effectively and equitably managed	
Community-Based Forest and Mangrove Management Project in Panay and Negros (CBFMMP)	DENR	To contribute to the improvement of environmental conditions and reduction of poverty in Panay and Negros by enabling participating People's Organizations (Pos) to manage forests and mangroves sustainably and adopt productive upland farming systems, improve food security and living conditions, and improve access to market.	Interregional	VI, VII	9	15	Percentage of terrestrial, inland water and coastal and marine areas effectively and equitably managed	
Subsector Outcome C: Environmental quality for a cleaner and healthier environment improved								
HCFC Phase-out Management Plan	DENR	The project will assist the Philippines to achieve compliance with the phase-out targets for HCFC (Annex C, Group 1 substances) by developing an overarching strategy for phase-out.	Nationwide		9	15	Total Suspended Particulate (TSP) level in Metro Manila and major urban centers with levels above 90ug/Ncm	
Final closure, rehabilitation and revegetation of Existing Sanitary Landfills (SLFs)	MMDA	Closure and revegetation of two (2) open dumpsites located at San Mateo, Rizal and Carmona, Cavite to reduce environmental degradation such as the contamination of soil, air and ground water resources thus providing a healthier environment for all residents nearby the area.	Region-specific	NCR	9	15	Solid waste diversion rate	

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Protection and Rehabilitation of Coastal Ecosystem for an Improved Climate Change Adaptation in the Philippines as a contribution to the Coral Triangle				54,517,496.00		54,517,496.00
Conservation and Adaptive Management of Globally Important Agricultural Heritage Systems - Ifugao Rice Terraces (GIAHS-IRT)	47,200.00			22,000.00		69,200.00
Expanding and Diversifying the National System of Terrestrial Protected Areas in the Philippines (EDNSTPAP) or New Conservation Areas project in the Philippines (NewCAPP)				36,081.00		36,081.00
Camiguin Coastal Resource Management Project (CCRMP)	500.00			11,952.61		12,452.61
Community-Based Forest and Mangrove Management Project in Panay and Negros (CBFMMP)	18,280.00			106,470.00		124,750.00
Subsector Outcome C: Environmental quality for a cleaner and healthier environment improved						
HCFC Phase-out Management Plan	500.00					500.00
Final closure, rehabilitation and revegetation of Existing Sanitary Landfills (SLFs)						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2014					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Protection and Rehabilitation of Coastal Ecosystem for an Improved Climate Change Adaptation in the Philippines as a contribution to the Coral Triangle				15,779,584.00		15,779,584.00
Conservation and Adaptive Management of Globally Important Agricultural Heritage Systems - Ifugao Rice Terraces (GIAHS-IRT)						-
Expanding and Diversifying the National System of Terrestrial Protected Areas in the Philippines (EDNSTPAP) or New Conservation Areas project in the Philippines (NewCAPP)				14,148.00		14,148.00
Camiguin Coastal Resource Management Project (CCRMP)	500.00			1,277.81		1,777.81
Community-Based Forest and Mangrove Management Project in Panay and Negros (CBFMMP)	8,600.00			90,000.00		98,600.00
Subsector Outcome C: Environmental quality for a cleaner and healthier environment improved						
HCFC Phase-out Management Plan	625.00					625.00
Final closure, rehabilitation and revegetation of Existing Sanitary Landfills (SLFs)						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2015					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Protection and Rehabilitation of Coastal Ecosystem for an Improved Climate Change Adaptation in the Philippines as a contribution to the Coral Triangle						-
Conservation and Adaptive Management of Globally Important Agricultural Heritage Systems - Ifugao Rice Terraces (GIAHS-IRT)						-
Expanding and Diversifying the National System of Terrestrial Protected Areas in the Philippines (EDNSTPAP) or New Conservation Areas project in the Philippines (NewCAPP)				7,771.00		7,771.00
Camiguin Coastal Resource Management Project (CCRMP)						-
Community-Based Forest and Mangrove Management Project in Panay and Negros (CBFMMP)	4,110.00			27,740.00		31,850.00
Subsector Outcome C: Environmental quality for a cleaner and healthier environment improved						
HCFC Phase-out Management Plan	129.00					129.00
Final closure, rehabilitation and revegetation of Existing Sanitary Landfills (SLFs)						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2016					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Protection and Rehabilitation of Coastal Ecosystem for an Improved Climate Change Adaptation in the Philippines as a contribution to the Coral Triangle						-
Conservation and Adaptive Management of Globally Important Agricultural Heritage Systems - Ifugao Rice Terraces (GIAHS-IRT)						-
Expanding and Diversifying the National System of Terrestrial Protected Areas in the Philippines (EDNSTPAP) or New Conservation Areas project in the Philippines (NewCAPP)						-
Camiguin Coastal Resource Management Project (CCRMP)						-
Community-Based Forest and Mangrove Management Project in Panay and Negros (CBFMMP)						-
Subsector Outcome C: Environmental quality for a cleaner and healthier environment improved						
HCFC Phase-out Management Plan	3,840.00					3,840.00
Final closure, rehabilitation and revegetation of Existing Sanitary Landfills (SLFs)						-

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Protection and Rehabilitation of Coastal Ecosystem for an Improved Climate Change Adaptation in the Philippines as a contribution to the Coral Triangle				70,297,080.00		70,297,080.00
Conservation and Adaptive Management of Globally Important Agricultural Heritage Systems - Ifugao Rice Terraces (GIAHS-IRT)	47,200.00			22,000.00		69,200.00
Expanding and Diversifying the National System of Terrestrial Protected Areas in the Philippines (EDNSTPAP) or New Conservation Areas project in the Philippines (NewCAPP)				58,000.00		58,000.00
Camiguin Coastal Resource Management Project (CCRMP)	1,000.00			13,230.42		14,230.42
Community-Based Forest and Mangrove Management Project in Panay and Negros (CBFMMP)	30,990.00			224,210.00		255,200.00
Subsector Outcome C: Environmental quality for a cleaner and healthier environment improved						
HCFC Phase-out Management Plan	5,094.00					5,094.00
Final closure, rehabilitation and revegetation of Existing Sanitary Landfills (SLFs)	310,000.00					310,000.00

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Protection and Rehabilitation of Coastal Ecosystem for an Improved Climate Change Adaptation in the Philippines as a contribution to the Coral Triangle						-
Conservation and Adaptive Management of Globally Important Agricultural Heritage Systems - Ifugao Rice Terraces (GIAHS-IRT)						-
Expanding and Diversifying the National System of Terrestrial Protected Areas in the Philippines (EDNSTPAP) or New Conservation Areas project in the Philippines (NewCAPP)						-
Camiguin Coastal Resource Management Project (CCRMP)						-
Community-Based Forest and Mangrove Management Project in Panay and Negros (CBFMMP)						-
Subsector Outcome C: Environmental quality for a cleaner and healthier environment improved						
HCFC Phase-out Management Plan	8,934.00					8,934.00
Final closure, rehabilitation and revegetation of Existing Sanitary Landfills (SLFs)						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Protection and Rehabilitation of Coastal Ecosystem for an Improved Climate Change Adaptation in the Philippines as a contribution to the Coral Triangle				70,297,080.00		70,297,080.00
Conservation and Adaptive Management of Globally Important Agricultural Heritage Systems - Ifugao Rice Terraces (GIAHS-IRT)	47,200.00			22,000.00		69,200.00
Expanding and Diversifying the National System of Terrestrial Protected Areas in the Philippines (EDNSTPAP) or New Conservation Areas project in the Philippines (NewCAPP)				58,000.00		58,000.00
Camiguin Coastal Resource Management Project (CCRMP)	1,000.00			13,230.42		14,230.42
Community-Based Forest and Mangrove Management Project in Panay and Negros (CBFMMP)	30,990.00			224,210.00		255,200.00
Subsector Outcome C: Environmental quality for a cleaner and healthier environment improved						
HCFC Phase-out Management Plan	14,028.00					14,028.00
Final closure, rehabilitation and revegetation of Existing Sanitary Landfills (SLFs)	310,000.00					310,000.00



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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Agency Name	Program/Project Description	Spatial Coverage		PDP Chapter	16-Point Agenda Addressed	PDP Results Matrices (RM) Critical Indicators Addressed	Expected Date of Presentation to the ICC (if ICC-able)
			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Manila Bay Clean-Up, Rehabilitation and Preservation Program	DILG	The program aims mainly to clean-up the Manila bay in order to prevent the continuous cycle of man-made pollution. This is in compliance with the Supreme Court Decision dated 18 December 2008 and Resolution dated 15 February 2011 mandating the DILG to direct all LGUs in Regions III, IV-A and NCR within the Manila Bay watershed area to monitor business establishments' and households' compliance to having hygienic septic tanks and wastewater treatment facilities. These LGUs are also required to implement Solid Waste Management Act (RA 9003), Clean Water Act (RA 9275) and Urban Development and Housing Act of 1992 (RA 7279).	Interregional	III, IV-A, NCR	9	15	BOD level within the water criteria	
Implementation of Clean Air Regulations	DENR	The program aims to improve air quality in Metro Manila and other cities outside MM by reducing the concentration of Total Suspended Particulates (TSP) to within the national air quality guideline value of 90 micrograms per normal cubic meter (ug/Ncm) Under the program, the Bantay Tsimneya and Anti Smoke Belching (ASB) campaign will be strengthened. Continuous formulation of science-based air quality policies/ abatement measures/strategies and enhanced IEC campaign on air pollution control from area sources will be conducted, To have a more comprehensive analysis of air quality, automatic PM10 and PM2.5 equipment in the Seventeen (17) cities in Metro Manila and 16 Regions will be installed.	Nationwide		9	15	Total Suspended Particulate (TSP) level in Metro Manila and major urban centers with levels above 90ug/Ncm	
Implementation of Clean Water Regulations	DENR	The program aims to improve water quality of priority rivers and other critical water bodies including lakes and bays through continuous massive clean-up, monitoring of industries and rehabilitation of esteros/rivers through partnership agreements such as the Adopt-an-estero program. Establishment of additional water quality management areas (WQMAs) will also be prioritized. It is also targeted that by end of CY 2016, Thirty four (34) WQMAs will be designated and operationized. Disclosure programs such as beachwatch and industrial ecowatch will be pursued.	Nationwide		9	15	BOD level within the water criteria	
Manila Bay Rehabilitation Program	DENR	The program aims to clean-up/rehabilitate Manila Bay to bring water quality to SB classification that is fit for swimming, skin diving and other forms of contact recreation. through strict implementation of identified activities to reduce pollution load discharging into the Manila Bay by 2017.	Interregional	NCR, III, IV-A	9	15	BOD level within the water criteria	

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Manila Bay Clean-Up, Rehabilitation and Preservation Program	30,000.00					30,000.00
Implementation of Clean Air Regulations	316,195.00					316,195.00
Implementation of Clean Water Regulations	171,276.00					171,276.00
Manila Bay Rehabilitation Program	150,000.00					150,000.00

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2014					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Manila Bay Clean-Up, Rehabilitation and Preservation Program	30,000.00					30,000.00
Implementation of Clean Air Regulations	539,245.00					539,245.00
Implementation of Clean Water Regulations	143,240.00					143,240.00
Manila Bay Rehabilitation Program	150,000.00					150,000.00

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2015					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Manila Bay Clean-Up, Rehabilitation and Preservation Program	30,000.00					30,000.00
Implementation of Clean Air Regulations	618,839.00					618,839.00
Implementation of Clean Water Regulations	256,340.00					256,340.00
Manila Bay Rehabilitation Program	1,104,000.00					1,104,000.00

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2016					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Manila Bay Clean-Up, Rehabilitation and Preservation Program	30,000.00					30,000.00
Implementation of Clean Air Regulations	455,839.00					455,839.00
Implementation of Clean Water Regulations	256,340.00					256,340.00
Manila Bay Rehabilitation Program	1,104,000.00					1,104,000.00

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Manila Bay Clean-Up, Rehabilitation and Preservation Program	120,000.00					120,000.00
Implementation of Clean Air Regulations	1,930,118.00					1,930,118.00
Implementation of Clean Water Regulations	827,196.00					827,196.00
Manila Bay Rehabilitation Program	2,508,000.00					2,508,000.00

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Manila Bay Clean-Up, Rehabilitation and Preservation Program	120,000.00					120,000.00
Implementation of Clean Air Regulations						-
Implementation of Clean Water Regulations						-
Manila Bay Rehabilitation Program						-

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Manila Bay Clean-Up, Rehabilitation and Preservation Program	240,000.00					240,000.00
Implementation of Clean Air Regulations	1,930,118.00					1,930,118.00
Implementation of Clean Water Regulations	827,196.00					827,196.00
Manila Bay Rehabilitation Program	2,508,000.00					2,508,000.00



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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Agency Name	Program/Project Description	Spatial Coverage		PDP Chapter	16-Point Agenda Addressed	PDP Results Matrices (RM) Critical Indicators Addressed	Expected Date of Presentation to the ICC (if ICC-able)
			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Implementation of Ecological Solid Waste Management Regulations	DENR	To achieve the goal of 50% waste diversion in Metro Manila and in other areas outside MM by end of 2016, the program will continue the strict implementation of LGU-wide ESWM system comprising of segregation at source, segregated collection and establishment of Materials Recovery Facilities. Sustainable interventions to reduce waste and mobilise community participation form part of the program. The program will include the establishment of appropriate ESWM System in Home Owners Association in Metro Manila and in commercial establishments, public and private schools and public markets.	Nationwide		9	15	Solid waste diversion rate	
Laguna de Bay Institutional Strengthening and Community Participation (LISCOP) Project	LLDA	The project consists of various environmental initiatives to improve water quality of the lake and river tributaries. The subprojects under LISCOP contribute to increasing fish catch through enhanced water quality and more effective environmental regulation and control of effluent discharge from industrial, commercial and other business activities in the Lake Region.	Region-specific	IV-A	9	15	BOD level within the water criteria	
"Adopt-a-River"/ River Clean-up	LLDA	One of the components of River Rehabilitation Program is Adopt-a-River project where multi-stakeholders such as local governments, industries adopt portion of river/tributary in their towards water improvement of the Lake.	Region-specific	IV-A	9	15	BOD level within the water criteria	
Lake Seeding in Laguna de Bay and Seven Crater Lakes	LLDA	This project aims to improve fish production in open areas to benefit marginalized fisherfolk.	Region-specific	IV-A	9	15	BOD level within the water criteria	
Natural Water Treatment System around Laguna de Bay	LLDA	LLDA introduced the concept of natural wastewater treatment system through a partnership with the UASID Environmental Cooperation-Asia (ECO-Asia) in collaboration with Chia Nan University of Taiwan and Calamba Water District. The natural wastewater treatment system treat wastewater discharge using plants suitable for the purpose.	Region-specific	IV-A	9	15	BOD level within the water criteria	
Integrated Persistent Organic Pollutants Project (IPOPs)	DENR	To assist the Philippines in minimizing the risk of human and environmental exposure to POPs by strengthening the regulatory and monitoring framework and improving capacity for and providing demonstrations of, safe management of PCBs reduction of release of unintentionally produced POPs, and reduction of exposure to POPs in contaminated sites.	Interregional	NCR, III, VI & X	9	15	Total Suspended Particulate (TSP) level in Metro Manila and major urban centers with levels above 90ug/Ncm	
Philippine Chillers Energy Efficiency Project (PCEEP)	DENR	The project is aims to replace CFC and non-CFC based inefficient chillers with new and more energy efficient new technology chillers through provision of financial subsidy and technical assistance to a significant number of enterprises in the private and public sectors.	Interregional	NCR, VII, XI	9	15	Total Suspended Particulate (TSP) level in Metro Manila and major urban centers with levels above 90ug/Ncm	

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Implementation of Ecological Solid Waste Management Regulations	84,630.00					84,630.00
Laguna de Bay Institutional Strengthening and Community Participation (LISCOP) Project						-
"Adopt-a-River"/ River Clean-up						-
Lake Seeding in Laguna de Bay and Seven Crater Lakes						-
Natural Water Treatment System around Laguna de Bay						-
Integrated Persistent Organic Pollutants Project (IPOPs)				74,140.00		74,140.00
Philippine Chillers Energy Efficiency Project (PCEEP)				60,460.00		60,460.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2014					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Implementation of Ecological Solid Waste Management Regulations	84,630.00					84,630.00
Laguna de Bay Institutional Strengthening and Community Participation (LISCOP) Project						-
"Adopt-a-River"/ River Clean-up						-
Lake Seeding in Laguna de Bay and Seven Crater Lakes						-
Natural Water Treatment System around Laguna de Bay						-
Integrated Persistent Organic Pollutants Project (IPOPs)	21,500.00			54,400.00		75,900.00
Philippine Chillers Energy Efficiency Project (PCEEP)				49,740.00		49,740.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2015					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Implementation of Ecological Solid Waste Management Regulations	1,084,630.00					1,084,630.00
Laguna de Bay Institutional Strengthening and Community Participation (LISCOP) Project						-
"Adopt-a-River"/ River Clean-up						-
Lake Seeding in Laguna de Bay and Seven Crater Lakes						-
Natural Water Treatment System around Laguna de Bay						-
Integrated Persistent Organic Pollutants Project (IPOPs)				18,130.00		18,130.00
Philippine Chillers Energy Efficiency Project (PCEEP)				29,050.00		29,050.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2016					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Implementation of Ecological Solid Waste Management Regulations	1,084,630.00					1,084,630.00
Laguna de Bay Institutional Strengthening and Community Participation (LISCOP) Project						-
"Adopt-a-River"/ River Clean-up						-
Lake Seeding in Laguna de Bay and Seven Crater Lakes						-
Natural Water Treatment System around Laguna de Bay						-
Integrated Persistent Organic Pollutants Project (IPOPs)				13,630.00		13,630.00
Philippine Chillers Energy Efficiency Project (PCEEP)				5,710.00		5,710.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Implementation of Ecological Solid Waste Management Regulations	2,338,520.00					2,338,520.00
Laguna de Bay Institutional Strengthening and Community Participation (LISCOP) Project						-
"Adopt-a-River"/ River Clean-up						-
Lake Seeding in Laguna de Bay and Seven Crater Lakes						-
Natural Water Treatment System around Laguna de Bay						-
Integrated Persistent Organic Pollutants Project (IPOPs)	21,500.00			160,300.00		181,800.00
Philippine Chillers Energy Efficiency Project (PCEEP)				144,960.00		144,960.00

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Implementation of Ecological Solid Waste Management Regulations						-
Laguna de Bay Institutional Strengthening and Community Participation (LISCOP) Project						-
"Adopt-a-River"/ River Clean-up						-
Lake Seeding in Laguna de Bay and Seven Crater Lakes						-
Natural Water Treatment System around Laguna de Bay						-
Integrated Persistent Organic Pollutants Project (IPOPs)						-
Philippine Chillers Energy Efficiency Project (PCEEP)						-

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Implementation of Ecological Solid Waste Management Regulations	2,338,520.00					2,338,520.00
Laguna de Bay Institutional Strengthening and Community Participation (LISCOP) Project						no cost reflected in the submission
"Adopt-a-River"/ River Clean-up						no cost reflected in the submission
Lake Seeding in Laguna de Bay and Seven Crater Lakes						no cost reflected in the submission
Natural Water Treatment System around Laguna de Bay						no cost reflected in the submission
Integrated Persistent Organic Pollutants Project (IPOPs)	21,500.00			160,300.00		181,800.00
Philippine Chillers Energy Efficiency Project (PCEEP)				144,960.00		144,960.00



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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Agency Name	Program/Project Description	Spatial Coverage		PDP Chapter	16-Point Agenda Addressed	PDP Results Matrices (RM) Critical Indicators Addressed	Expected Date of Presentation to the ICC (if ICC-able)
			Nationwide/ Interregional/ Region-Specific	Region				
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Non-Combustion Technologies for Destroying POPs	DENR	To demonstrate the viability of available non-combustible technologies for use in the destruction of obsolete POPs stockpiles and the clean-up and remediation of POPs contaminated soils or sediments.	Interregional	NCR & III	9	15	Total Suspended Particulate (TSP) level in Metro Manila and major urban centers with levels above 90ug/Ncm	
Manila Third Sewerage Project (MTSP)	DENR	To identify essential adjustments to administrative, institutional and regulatory.	Region-Specific	NCR	9	15	Water quality of priority river systems (by BOD water criteria: Class C <= 7mg/L; Class D >7mg/L & >= 10mg/L)	
<b>Subsector Outcome D*: Crosscutting strategies</b>								
Formulation and Monitoring of ENR Sector Policies, Plans, Programs and Projects (includes all sectors and Management of Forestland and Forest Resources and Forest Boundary Delineation and Land Use Allocation)	DENR	To conduct baseline resource assessment/ reassessment/ monitoring of biodiversity status, valuation studies, impact assessment, preparation/ updating of climate-resilient plans.	Nationwide		9	15		
Technology Transfer and Extension Services (a restructured PAP from Research, Development and Extension Programs, and Ecosystems Research and Development Service)	DENR	The program implements projects on climate change, upland and coastal area development, water resources development, development of standards/technologies on land disposition, allocation and land use management, mines and degraded areas, biodiversity, environment, and technology transfer and commercialization.	Nationwide		9	15		
Geosciences Development Service [formerly Detailed Geohazard Assessment and Mapping]	DENR	To assess and map 1,634 LGUs to determine susceptibility to landslide and flooding.	Nationwide		9	15		
Enforcement of Laws, Rules and Regulations: Permit issuance and monitoring of forest and forest resource use; Operations against illegal environment and natural resources activities (formerly Forest Protection)	DENR	To protect the 4M untenured forest areas and to monitor the 11.567 M hectares under management arrangement.	Nationwide		9	15		
National REDD+ Mechanism for Greenhouse Gas Reduction and Conservation of Biodiversity in the Philippines (REDD+ Readiness)	DENR	To reduce GHG emission from deforestation and forest degradation and to achieve co-benefits (biodiversity conservation and livelihood improvement).	Nationwide		9	15		
Philippine Poverty and Environmental Initiative (PPEI)	DENR	Strengthened capacities of local communities including LGUs to access and manage assets and revenue from environmental and mineral resources for local development.	Interregional	CAR, V, VII, XI	9	15		
National Program Support to Environmental and Natural Resources Management Project (NPS-ENRMP)	DENR	To assist the DENR to improve efficiency and effectiveness in implementing its core functions and services and assist GOP in enhancing ecosystem services for global and additional local benefits.	Nationwide		9	15		
<b>Total Investment Targets</b>								

\*Crosscutting PAPs address all PDP-RM critical indicators under the Chapter.

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2013					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(J)	(K)	(L)	(M)	(N)	(O)
Non-Combustion Technologies for Destroying POPs						-
Manila Third Sewerage Project (MTSP)	300.00					300.00
<b>Subsector Outcome D*: Crosscutting strategies</b>						
Formulation and Monitoring of ENR Sector Policies, Plans, Programs and Projects (includes all sectors and Management of Forestland and Forest Resources and Forest Boundary Delineation and Land Use Allocation)	80,319.00					80,319.00
Technology Transfer and Extension Services (a restructured PAP from Research, Development and Extension Programs, and Ecosystems Research and Development Service)	127,236.00					127,236.00
Geosciences Development Service [formerly Detailed Geohazard Assessment and Mapping]	347,369.00					347,369.00
Enforcement of Laws, Rules and Regulations: Permit issuance and monitoring of forest and forest resource use; Operations against illegal environment and natural resources activities (formerly Forest Protection)	460,931.00					460,931.00
National REDD+ Mechanism for Greenhouse Gas Reduction and Conservation of Biodiversity in the Philippines (REDD+ Readiness)				55,650.00		55,650.00
Philippine Poverty and Environmental Initiative (PPEI)				2,066.70		2,066.70
National Program Support to Environmental and Natural Resources Management Project (NPS-ENRMP)				828,650.00		828,650.00
<b>Total Investment Targets</b>	<b>11,536,669.24</b>	<b>-</b>	<b>-</b>	<b>56,420,884.21</b>	<b>-</b>	<b>67,957,553.45</b>

\*Crosscutting PAPs address all PDP-RM critical indicators under the Chapter.

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2014					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(P)	(Q)	(R)	(S)	(T)	(U)
Non-Combustion Technologies for Destroying POPs						-
Manila Third Sewerage Project (MTSP)	300.00					300.00
Subsector Outcome D*: Crosscutting strategies						
Formulation and Monitoring of ENR Sector Policies, Plans, Programs and Projects (includes all sectors and Management of Forestland and Forest Resources and Forest Boundary Delineation and Land Use Allocation)	396,514.00					396,514.00
Technology Transfer and Extension Services (a restructured PAP from Research, Development and Extension Programs, and Ecosystems Research and Development Service)	31,581.00					31,581.00
Geosciences Development Service [formerly Detailed Geohazard Assessment and Mapping]	500,608.00					500,608.00
Enforcement of Laws, Rules and Regulations: Permit issuance and monitoring of forest and forest resource use; Operations against illegal environment and natural resources activities (formerly Forest Protection)	240,461.00					240,461.00
National REDD+ Mechanism for Greenhouse Gas Reduction and Conservation of Biodiversity in the Philippines (REDD+ Readiness)				60,950.00		60,950.00
Philippine Poverty and Environmental Initiative (PPEI)						-
National Program Support to Environmental and Natural Resources Management Project (NPS-ENRMP)						-
<b>Total Investment Targets</b>	<b>12,879,428.41</b>	<b>-</b>	<b>-</b>	<b>16,535,888.81</b>	<b>60,000.00</b>	<b>29,475,317.21</b>

\*Crosscutting PAPs address all PDP-RM critical indicators under the Chapter.

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2015					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(V)	(W)	(X)	(Y)	(Z)	(AA)
Non-Combustion Technologies for Destroying POPs						-
Manila Third Sewerage Project (MTSP)						-
<b>Subsector Outcome D*: Crosscutting strategies</b>						
Formulation and Monitoring of ENR Sector Policies, Plans, Programs and Projects (includes all sectors and Management of Forestland and Forest Resources and Forest Boundary Delineation and Land Use Allocation)	1,451,074.00					1,451,074.00
Technology Transfer and Extension Services (a restructured PAP from Research, Development and Extension Programs, and Ecosystems Research and Development Service)	129,842.00					129,842.00
Geosciences Development Service [formerly Detailed Geohazard Assessment and Mapping]	395,704.00					395,704.00
Enforcement of Laws, Rules and Regulations: Permit issuance and monitoring of forest and forest resource use; Operations against illegal environment and natural resources activities (formerly Forest Protection)	2,153,462.67					2,153,462.67
National REDD+ Mechanism for Greenhouse Gas Reduction and Conservation of Biodiversity in the Philippines (REDD+ Readiness)				74,700.00		74,700.00
Philippine Poverty and Environmental Initiative (PPEI)						-
National Program Support to Environmental and Natural Resources Management Project (NPS-ENRMP)						-
<b>Total Investment Targets</b>	<b>29,870,338.31</b>	<b>-</b>	<b>-</b>	<b>2,002,428.20</b>	<b>57,500.00</b>	<b>31,930,266.51</b>

\*Crosscutting PAPs address all PDP-RM critical indicators under the Chapter.

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	2016					
	NG	GOCC/ GFIs	LGUs	ODA Grant	Private Sector	Subtotal
(A)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Non-Combustion Technologies for Destroying POPs						-
Manila Third Sewerage Project (MTSP)						-
Subsector Outcome D*: Crosscutting strategies						
Formulation and Monitoring of ENR Sector Policies, Plans, Programs and Projects (includes all sectors and Management of Forestland and Forest Resources and Forest Boundary Delineation and Land Use Allocation)	725,537.00					725,537.00
Technology Transfer and Extension Services (a restructured PAP from Research, Development and Extension Programs, and Ecosystems Research and Development Service)	124,125.00					124,125.00
Geosciences Development Service [formerly Detailed Geohazard Assessment and Mapping]	391,377.00					391,377.00
Enforcement of Laws, Rules and Regulations: Permit issuance and monitoring of forest and forest resource use; Operations against illegal environment and natural resources activities (formerly Forest Protection)	1,076,731.33					1,076,731.33
National REDD+ Mechanism for Greenhouse Gas Reduction and Conservation of Biodiversity in the Philippines (REDD+ Readiness)				68,900.00		68,900.00
Philippine Poverty and Environmental Initiative (PPEI)						-
National Program Support to Environmental and Natural Resources Management Project (NPS-ENRMP)						-
<b>Total Investment Targets</b>	<b>24,118,185.13</b>	<b>-</b>	<b>-</b>	<b>2,244,776.00</b>	<b>335,000.00</b>	<b>26,697,961.13</b>

\*Crosscutting PAPs address all PDP-RM critical indicators under the Chapter.

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Total (2013-2016)					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AH)	(AI)	(AJ)	(AK)	(AL)	(AM)
Non-Combustion Technologies for Destroying POPs	192,360.00					192,360.00
Manila Third Sewerage Project (MTSP)	600.00					600.00
<b>Subsector Outcome D*: Crosscutting strategies</b>						
Formulation and Monitoring of ENR Sector Policies, Plans, Programs and Projects (includes all sectors and Management of Forestland and Forest Resources and Forest Boundary Delineation and Land Use Allocation)	2,653,444.00					2,653,444.00
Technology Transfer and Extension Services (a restructured PAP from Research, Development and Extension Programs, and Ecosystems Research and Development Service)	412,784.00					412,784.00
Geosciences Development Service [formerly Detailed Geohazard Assessment and Mapping]	1,635,058.00					1,635,058.00
Enforcement of Laws, Rules and Regulations: Permit issuance and monitoring of forest and forest resource use; Operations against illegal environment and natural resources activities (formerly Forest Protection)	3,931,586.00					3,931,586.00
National REDD+ Mechanism for Greenhouse Gas Reduction and Conservation of Biodiversity in the Philippines (REDD+ Readiness)				260,200.00		260,200.00
Philippine Poverty and Environmental Initiative (PPEI)				2,066.70		2,066.70
National Program Support to Environmental and Natural Resources Management Project (NPS-ENRMP)				828,650.00		828,650.00
<b>Total Investment Targets</b>	<b>83,545,880.61</b>	<b>-</b>	<b>-</b>	<b>78,681,498.95</b>	<b>452,500.00</b>	<b>162,679,879.56</b>

\*Crosscutting PAPs address all PDP-RM critical indicators under the Chapter.

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Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Continuing Investment Targets					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)
Non-Combustion Technologies for Destroying POPs						-
Manila Third Sewerage Project (MTSP)						-
Subsector Outcome D*: Crosscutting strategies						-
Formulation and Monitoring of ENR Sector Policies, Plans, Programs and Projects (includes all sectors and Management of Forestland and Forest Resources and Forest Boundary Delineation and Land Use Allocation)						-
Technology Transfer and Extension Services (a restructured PAP from Research, Development and Extension Programs, and Ecosystems Research and Development Service)						-
Geosciences Development Service [formerly Detailed Geohazard Assessment and Mapping]						-
Enforcement of Laws, Rules and Regulations: Permit issuance and monitoring of forest and forest resource use; Operations against illegal environment and natural resources activities (formerly Forest Protection)						-
National REDD+ Mechanism for Greenhouse Gas Reduction and Conservation of Biodiversity in the Philippines (REDD+ Readiness)						-
Philippine Poverty and Environmental Initiative (PPEI)						-
National Program Support to Environmental and Natural Resources Management Project (NPS-ENRMP)						-
<b>Total Investment Targets</b>	<b>4,818,660.00</b>	-	-	<b>4,396,700.00</b>	-	<b>9,215,360.00</b>

\*Crosscutting PAPs address all PDP-RM critical indicators under the Chapter.

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Annex B2: List of Non-Core Investment Programs and Projects (Non-CIPs) with Annual Investment Targets By Source of Financing

Program/Project Title	Investment Targets In Thousand Pesos (PhP '000)					
	Overall Total					
	NG	GOCC/GFIs	LGUs	ODA Grant	Private Sector	Total
(A)	(AT)	(AU)	(AV)	(AW)	(AX)	(AY)
Non-Combustion Technologies for Destroying POPs	192,360.00					192,360.00
Manila Third Sewerage Project (MTSP)	600.00					600.00
<b>Subsector Outcome D*: Crosscutting strategies</b>						
Formulation and Monitoring of ENR Sector Policies, Plans, Programs and Projects (includes all sectors and Management of Forestland and Forest Resources and Forest Boundary Delineation and Land Use Allocation)	2,653,444.00					2,653,444.00
Technology Transfer and Extension Services (a restructured PAP from Research, Development and Extension Programs, and Ecosystems Research and Development Service)	412,784.00					412,784.00
Geosciences Development Service [formerly Detailed Geohazard Assessment and Mapping]	1,635,058.00					1,635,058.00
Enforcement of Laws, Rules and Regulations: Permit issuance and monitoring of forest and forest resource use; Operations against illegal environment and natural resources activities (formerly Forest Protection)	3,931,586.00					3,931,586.00
National REDD+ Mechanism for Greenhouse Gas Reduction and Conservation of Biodiversity in the Philippines (REDD+ Readiness)				260,200.00		260,200.00
Philippine Poverty and Environmental Initiative (PPEI)				2,066.70		2,066.70
National Program Support to Environmental and Natural Resources Management Project (NPS-ENRMP)				828,650.00		828,650.00
<b>Total Investment Targets</b>	<b>88,364,540.61</b>	<b>-</b>	<b>-</b>	<b>83,078,198.95</b>	<b>452,500.00</b>	<b>171,895,239.56</b>

\*Crosscutting PAPs address all PDP-RM critical indicators under the Chapter.