

QUARTERLY PHYSICAL REPORT OF OPERATIO

As of March CY 2020

Department  
Agency:  
Operational Unit  
Organizational Code (UACS)

DEPARTMENT OF ENVIRONEMENT AND NATURAL RESOURCES  
ECOSYSTEMS RESEARCH AND DEVELOPMENT BUREAU

Programs/Activities/Projects (P/A/Ps)	Performance Indicators	PHYSICAL TARGET					TOTAL	1ST QUARTER
		1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	TOTAL		
<b>A.III.d.1 MOOE and CO Ecosystems Research and Development Service</b>								
<b>I. General Administration and Support Services (GASS)</b>								
<b>A. General Management and Supervision</b>	Financial reports submitted (no.) (quarterly, monthly, weekly)	16	16	16	16	49	12	
	Annual Procurement Plan prepared and submitted (no.)				1	1	0	
	ERDB building and facilities maintained (no.)	1	1	1	1	1	1	
	Records of ERDB Personnel Updated and Maintained (no.)	320	320	320	320	320	320	
	Service vehicles maintained (no.)	45	45	45	45	45	45	
<b>B. Human Resource Development</b>	Trainings conducted (no.)	3	3			6	1	

<b>C. Administration of Personnel Benefits</b>	Terminal leave benefits paid (no. of personnel)		2	2	3	7	0
<b>II. Support to Operations (STO)</b>							
<b>A. Data Management including Systems Development and Maintenance</b>							
1. Generate and update RDE databases, information/technologies and statistics	ENR-RDE Information systems developed/enhanced (no.)	4	4	4	4	4	4
	ICT equipment procured and maintained (no.)	var	var	var	var	var	
2. Updating, maintenance and management of websites and LAN	Website updated/maintained (no.)	1	1	1	1	1	1
	Internet connection via DSL maintained (no.)	1	1	1	1	1	1
3. Review and validation of reports on ENR statistics	Sectoral statistics reviewed/consolidated and validated (no.)	7		7		14	7
	DENR Statistical Committee Meetings attended (no.)	var	var	var	var	var	
<i>RLIP</i>							

<b>B. Production and Dissemination of Technical Popular Materials in the Conservation and Development of Natural Resources and Environmental</b>							
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<b>Education, including an Encyclopedia on Biodiversity</b>							
1. Packaging and publication of ENR generated technologies/information (technical and popular publications)	ENR technical materials packaged and produced (no.)						
	RISE (no. of new issues)		1		1	2	1
	RISE (no. of copies)		1		1	600	50
	Articles edited and layouted		300		300	8	6
	ERDB Annual Report (no. of copies)		200			200	0
	Audio Visual Services (no. of major activities documented)	2	2	3	3	10	7
2. Maintenance of ENR Library	ENR Library maintained (no.)	1	1	1	1	1	1
<b>C. Legal Services including Operations Against Unlawful Titling of Public Land</b>							
1. Review of MOAs/MOUs	MOAs/MOUs reviewed (no.)	5	5	10	5	25	7

<b>D. Conduct of Special Studies, Design and Development in Support of Forestry, Mining and Environmental Management Operations, including Climate Change Resilience</b>							
1. Conduct/Hosting of International Conferences	International conferences conducted/hosted (no.)		1	1	2	4	0
a. Asia-Pacific R&D Conference on Sustainable Coastal Tourism Management							
b. R&D Congress on Urban Parks and Green Cities: A Sustainable Future in Southeast Asia							
c. Congress on Sustainable and Climate Resilient Watershed Management through Ecosystem Disaster-Risk Reduction (ECO-DRR) in the Asia-Pacific Region							
d. ASEAN Conference on Medicinal Plants							
2. Conference Proceedings	Conference Proceedings prepared and submitted (no.)			1	3	4	
<b>E. Formulation and Monitoring of ENR Sector Policies, Plans, Programs and Projects</b>							
1. Conduct of planning and reprogramming workshop with DENR Central Office, Research Centers and other sectors/bureaus	ERDB Budget Proposal FY 2021 prepared (no.)		1			1	1
	ERDB Work & Financial Plan for FY 2021 prepared (no.)				1	1	0
	Planning & programming workshop/meetings attended (no.)	2	2	2	2	8	5

	Conduct of Research Sector Management Conference/consultation workshops/strategic planning/meetings (no.)	1	1	1	1	4	1
2. Conduct of Annual In-House Review of completed and ongoing RDE programs/projects	Annual in-house review of completed and ongoing RDE programs/projects conducted (no.)				1	1	
3. Attend local/global fora in line with the country's/agency's commitments to various multilateral environmental agreements	Meetings/fora/symposia/conferences attended/participated (no.)	2	2	2	2	8	
	Membership to scientific and technical committees/organizations participated (no.)	2	2	2	2	8	3
4. Provision legislative assistance to Congress	Assistance provided to Congress (no.)	var	var	var	var	var	
5. Review/Revision/Submission of draft policy	Policy recommended based on - Research Projects (no.) - Management Instructions (no.)				4	4	
<b>F. Ecosystems Research, Development and Extension Services</b>							
<b>F.1. ERDB Main Office</b>							
<b><i>F.1.a. Formulation, Coordination, and Monitoring of RDE programs/projects/studies on Forest Ecosystem</i></b>							

1. Formulation of Research Directions on Forest Ecosystem for RDE Centers	Research Agenda on Forest Ecosystem reviewed and monitored (no.)				1	1	
	RDE proposals/projects/outputs on Forest Ecosystem reviewed and evaluated (no.)	var	var	var	var	13	13
2. Research Gap Analysis on Forest Ecosystem	Meetings with other Bureaus/ Offices conducted (no.)	1	1	1	1	4	2
	Research gap on Forest Ecosystem identified and analysed (no.)	var	var	var	var	var	
3. Conduct of Policy Research on Forest Ecosystem	Policy Research conducted (no.)	1	1	1	1	1	ongoing
<b><i>F.1.b. Formulation, Coordination, and Monitoring of RDE programs/projects/studies on Coastal and Freshwater Ecosystems</i></b>							
1. Formulation of Research Directions on Coastal and Freshwater Ecosystems for RDE Centers	Research Agenda on Coastal and Freshwater Ecosystems reviewed and monitored (no.)				1	1	
	RDE proposals/projects/outputs on Coastal and Freshwater Ecosystems reviewed and evaluated (no.)	var	var	var	var	8	8

2. Research Gap Analysis on Coastal and Freshwater Ecosystems	Meetings with other Bureaus/ Offices conducted (no.)	1	1	1	1	4	3
	Research gap on Coastal and Freshwater Ecosystems identified and analysed (no.)	var var	var var	var var	var var	var	
3. Conduct of Policy Research on Coastal and Freshwater Ecosystems	Policy Research conducted (no.)				1	1	ongoing
	Technical assistance provided/rendered						

<b><i>F.1.c. Formulation, Coordination, and Monitoring of RDE programs/projects/studies on Urban Ecosystem</i></b>							
1. Formulation of Research Directions on Urban Ecosystem for RDE Centers	Research Agenda on Urban Ecosystem reviewed and monitored (no.)				1	1	
	RDE proposals/projects/outputs on Urban Ecosystem reviewed and evaluated (no.)	var	var	var	var	4	4
2. Research Gap Analysis on Urban Ecosystem	Meetings with other Bureaus/ Offices conducted (no.)	1	1	1	1	4	8
	Research gap on Urban Ecosystem identified and analysed (no.)	1	1	1	1	2	2
3. Conduct of Policy Research on Urban Ecosystem	Policy Research conducted (no.)				1	1	on-going
	Technical assistance provided/ rendered (no.)					20	9



<b>F.1.e. Monitoring and Evaluation of RDE Programs/Projects/Studies' Implementation</b>	RDE Programs/projects/studies monitored and evaluated (no.)	32	32	34	34	34	
	Forest Ecosystem					10	1
	Coastal Zone and Freshwater Ecosystem					9	9
	Urban Ecosystem					5	0
<b>F.1.e. Sustainability of Laboratory and Experimental/Demonstration Services in Support to RDE Programs, Activities and Projects of ERDB Proper and Research</b>							

Centers							
Project 1. Quality Development and Management program for Laboratory Services in Support to RDE PAPs	Research laboratories maintained (no.)	10	10	10	10	10	10
	a. Botany Laboratory cum Hebarium					1	1
	b. Chemistry Laboratory					1	1
	Technical services provided through samples analyzed			3	3	6	3
	c. Entomology Laboratory					1	1
	Insect box sanitized					20	2
	d. Forest Molecular Biology Laboratory					1	1

	e. Microbiology Laboratory					1	1
	f. Pathology Laboratory					1	1
	g. Seed Laboratory					1	1
	Species tested (no.)					4	3
	Observation report submitted (no.)					4	1
	h. Soils Laboratory					1	1
	Technical services provided through samples analyzed (no.)					400	109
	i. Tissue Culture Laboratory					1	1
	Culture maintained (no. of species)					4	10

	j. Zoology Laboratory					1	1
	Voucher specimen cleaned (no.)					20	5
	Laboratory equipment maintained and calibrated (no.)	31	31/20	31/11	31	31/31	31
Project 2: Science-based Management of Experimental Sites and Demonstration Areas in Support to RDE Programs/Projects	Demonstration areas maintained (no.)	2	2	2	2	2	2
Management and Supervision of RDECs' Laboratory and Demonstration Areas	RDECs' laboratory and demo areas managed and monitored (no.)					6	1
<b>E.1.f. Client-Based Technology Transfer and Extension Services for Environment and</b>							

Natural Resources (ENR) Management							
ERDB Main Office RDE Centers							
Project 1. Technology Assessment, Classification and Packaging of ENR Technologies	<b>ERDB Main Office</b> <b>RDE Centers</b>						
- Workshop on the mainstreaming of the outputs to ERDB database	Workshop conducted (no.)	1				1	0
- Reproduction and distribution of Technology Assessment Protocol (TAP) Manual	TAP Manual produced (no. of copies)	100				100	100
- Roll out of TAP	Roll out conducted (no.)	4	2			6	0
- Technology assessment	ENR technologies assessed (no.)	2	2	2		6	0
	Table assessments conducted (no.)	2	2	2		6	0
	Field assessments conducted (no.)	2	2	2		6	0
- Development of database for technology assessment	Database developed (no.)	1	1	1	1	1	1
Project 2. Extension Services on Viable Technologies Through Demonstration Strategies/Areas	ERDB Main Office RDE Centers						
Activity 1. Technology Needs Assessment							

(TNA)							
- Monitoring and consolidation of TNA activities conducted by RDECs	TNA monitoring reports consolidated (no.)		2	2	2	6	0
- Conduct of TNA	Survey or assessment conducted (no.)	1	7	1		9	4
Activity 2. Implementation and Monitoring of Strategic Communication Plan							
- Monitoring of Strategic Communication Plan implementation	Extension sites monitored (no.)		3		3	6	0
	Monitoring reports consolidated (no.)		3		3	6	0
	Monitoring reports analyzed (no.)		3		3	6	0
	Recommendation based on findings formulated (no.)		3		3	6	0
- Implementation of Strategic Communication Plan							
a. Partnership (with public and private organization)	Stakeholders partnered (no.)	3	1		1	5	1
b. Capacity building	Trainings conducted (no.)		7	2		9	0
	Training reports prepared and submitted (no.)			7	2	9	0
	Action plan prepared (no.)			7	2	9	0
c. IEC campaign for promotion of ENR technologies (showcase of ENR	Techno-forum/seminar/symposium/ educational tour conducted (no.)	2	2	1		5	1

technologies)	Techno-forum/seminar/symposium/ educational tour report prepared and submitted (no.)		2	2	1	5	1
	IEC materials produced (no.)	1	5	1		7	2
	Demo Area/Show windows improved and maintained (no.)	1	1	1	1	4	0
	Exhibit conducted/participated (no.)		1	2		3	0
	Press releases prepared (no.)	1	1	1	1	4	15
	Educational/appreciation tour conducted (no.)		2	3	1	6	0
	Media linkages established/ strengthened (no.)		1		1	2	1
	FGD/Meetings conducted (no.)	1	1	1		3	1
d. Progress Tracking	Show window established (no.)			1		1	0
	Monitoring activities conducted (no.)	6	7	8	8	29	1
Activity 3. Strategic Communication Plan	Progress report prepared and submitted (no.)	3	4	4	4	15	0
	Strategic Communication Plan consolidated (no.)				6	6	0
	Strategic Communication Plan prepared and submitted (no.)				6	6	0
	KAP Survey/Stakeholder Analysis report prepared and submitted (no.)				6	6	0

Activity 4. Database Development and Management	Database developed and managed (no.)	1	1	1	1	1	1
Project 3. IEC Campaign on Research Based Information for Sustainable Ecosystems Management	<b>ERDB Main Office RDE Centers</b>						
Activity 1. Production of Printed Knowledge Products and IEC Materials							
- Production of Printed Knowledge Products and IEC Materials	Building Brand Identity for ERDB technologies (Phase 2 - Brand expansion) Production and printing of branding collaterals						
	ERDB Notebooks (no. of copies)		300			300	0
	ERDB Calling Cards (no. of copies)			25000		25000	0
	ERDB Folders/Envelopes (no. of copies)		500			500	0
	Brochure for Technical Assistance (no. of copies)		500			500	0
	Sylvatrop printed (no. of copies)		700		700	1400	0
	Sylvatrop articles reviewed (no. of articles)	5	5	5	5	20	5
	Canopy International printed (no. of copies)		1000		1000	2000	0
	Workshop on the development of Techno-Transfer Manual conducted (no.)			1		1	0
	Technology Transfer and Extension				50	50	0



	Manual printed (no. of copies)						
Activity 2. Mass Media Campaign of Ecosystem Technologies	Press Releases published (no.)	1	1	1	1	4	0
	Web Releases published (no.)	1	1	1	1	4	10
	TV/Radio guestings facilitated/ coordinated (no.)	1	1	1	1	4	2
	Social Media pages maintained/updated (no.)	1	1	1	1	1	1
	i. Stories uploaded (no.)	3	3	3	3	12	10
	ii. Followers invited (no.)	100	100	100	100	400	1022
	iii. Cover design uploaded (no.)	3	3	3	3	12	1
Activity 3. Visual Communication of Ecosystem Technologies	Exhibit conducted/participated (no.)	1	2	1	2	6	1
	Technology Forum/Technology Transfer Day (no.)				1	1	
	i. Technologies showcased (no.)				10	10	0
	ii. Posters prepared (no.)				20	20	0
	iii. Participants invited (no.)				150	150	0
Activity 4. Technical Assistance for ERDB Clients	Database of technical assistance and experts managed (no.)			1		1	1
	Technical assistance reports prepared (no.)	1	1	1	1	4	1
	Client Feedback Forms consolidated and analyzed (no.)	1	1	1	1	4	1
Activity 5. Database Management for Production of IEC Materials	Database management for production of IEC materials managed/maintained (no.)	1	1	1	1	1	1
Project 4. Evaluation of Transferred ENR	<b>ERDB Main Office</b>						

Technologies cum Documentation of Success Stories of Adoption							
Activity 1. Evaluation of Transferred ENR Technologies	Transferred ENR technologies for evaluation identified (no.)	1				1	1
	Adopters of ENR technologies for evaluation identified (no.)	6				6	3
	Evaluation tool developed (no.)	1				1	1
	Datasets gathered and analyzed (no.)		2	2	2	6	0
	Evaluation reports prepared and submitted (no.)			3	3	6	0
Activity 2. Documentation of Success Stories of Technology Adoption	ENR technology identified (no.)	2				2	1
	Datasets gathered (no.)	1	1	1		3	0
<b>F.2. Research, Development and Extension Centers' Implementation of RDE Programs/ Projects/Studies</b>	Field validation and documentation conducted (no.)	1	1	1		3	0
	Documentation report on success stories of adoption prepared and submitted (no.)				1	1	0
	IEC material prepared for dissemination (no.)				1	1	0
<b>F.2.a. Watershed and Water Resources Research, Development, and Extension Center (WRRDEC)</b>							

<b>1. Program on Forests Ecosystem Resiliency and Sustainability</b>								
<b>Project.</b> Natural Regeneration Status of Pinus kesiya Royle ex Gordon in Forest Reserve and Watersheds in Baguio City (NEW) (February 2020 - June 2021)	Benguet pines status assessed within watershed and forest reserve (no.)		3	3	3		9	
RDE project in the FY 2020 proposal pipeline (NEW proposal stage)	RDE proposal reviewed and approved for implementation (no.)		2	2			4	
<b>2. Program on Emerging Issues</b>				1	1		2	
<b>Project.</b> IPM Development in Forest Plantations in NGP/C Areas within watersheds of Regions I, II, III, and CAR (January 2017 - March 2022)	Regions assessed for pest/diseases infestations (no.)				1		3	0
	Dataset on pests and diseases infestation collected and analyzed (no.) - incidence and severity		1	1	1		2	2
	Plantation sites monitored for pest/disease infestation (no.)					1	1	0
	Database on pest infestation updated (no.)	1	1	1	1		1	0
<b>3. Program on Promoting Ecosystem Health and Sustainability of Urban Areas through Research and Development</b>								
<b>Project.</b> Assessment of the Prevalence of Sinkholes in Baguio City (Proposed New Project for 3rd QTR) (July 2020 - June 2022)								
<b>4. Maintenance of Laboratory in Support to the Centers RDE projects</b>	Laboratory maintained (no.)	1	1	1	1		1	1

F.2.b. Urban and Biodiversity Research Development and Extension Center (UBRDEC)							
<i>1. Program on Forests Ecosystem Resiliency and Sustainability</i>							
Project. Market Chain Analysis of Selected Non-Timber Forest Products for Equitable Revenue Distribution (July 2019 - June 2020)	Market data for non-timber forest products gathered (no. of products)	6	6			5	5
	Market Channel Sites for Non-timber forest products identified and analysed (no.)	10	10			20	20
RDE project in the FY 2020 proposal pipeline ( <i>NEW proposal stage</i> )	RDE proposal reviewed and approved for implementation (no.)	1	1	1	1	1	
<i>2. Program on Ecosystems Dynamics and Sustainable Management of Coastal and Freshwater Ecosystems</i>							
Project. Ecological Characterization and Carrying Capacity of Puerto Princesa Underground River (July 2019 - June 2020)	Water samples collected and assessed (no.)	12	24			36	24
	Carbon dioxide and Oxygen concentrations determined (no. of site)		1			1	0
	Technical information on the biogeochemical processes of Puerto Princesa Underground River (PPUR) generated (no.)		1	1		1	0
	Carrying capacity model of PPUR updated		1	1		1	0

Project. Development of Pagbilao Mangrove Experimental Forest Station (April 2017 - March 2022)	Mangrove nursery maintained (no.)	2	2	2	2	2	2
	Mangrove experimental plantations maintained (no.)	1	1	1	1	1	1
	Mangrove production protocol developed (no.)			2	3	5	0
	Mangrove growth data gathered and analyzed (no.)	1	1	1	1	1	1
Project. Accounting and Mapping of Ecosystem Carbon Stock of Mangrove Forest and C Losses Arising from Deforestation (June 2018 - May 2021)	Sites surveyed (no.)	2	2	1	1	6	1
	Datasets gathered and analyzed						
	- Biomass C Stocks					6	1
- Soil C Stocks and losses			3	3	6	1	
	Biomass Maps generated (no.)				3	6	0
<i>3. Program on Promoting Ecosystem Health and Sustainability of Urban Areas through Research and Development</i>							
Project. Solid Waste Management and Climate Change Readiness of Fast Urbanizing Areas (Proposed New Project for 2nd QTR) (April 2020 - March 2022)							
<i>4. Maintenance of Laboratory in Support to the Centers RDE projects</i>	Laboratory maintained (no.)	1	1	1	1	1	1
<b>F.2.c. Coastal Resources and Ecotourism Research, Development, and Extension Center (CRERDEC)</b>							

1. Program on Ecosystems Dynamics and Sustainable Management of Coastal and Freshwater Ecosystems

Project. Growth variation in selected mangrove plantations as affected by different habitat conditions in the Philippines  
(January 2018 - December 2020)

Growth performance and survival rate measured (no. of parameters)

4 6 4 6 20 2

Growth variation of Mangrove plantations determined (no.)

1 1 1 1 1 1

Project. Development of Mangrovetum for Biodiversity Conservation Towards Ecotourism  
(January 2018 - December 2020)

Mangrovetum maintained and protected (no.)

3 3 3 3 3 3

Dataset on physical and growth parameters gathered and analyzed (no.)

3 3 3 3 3 1

Project. Microplastic Contamination Determination of Selected Major Water Bodies of the Philippines (October 2018 - September 2020)	Water samples collected and analyzed for microplastic contamination (no. )	120				120	0
	Water bodies assessed with microplastic contamination (no.)	10	10	10		10	0
RDE project in the FY 2020 proposal pipeline (NEW proposal stage)	RDE proposal reviewed and approved for implementation (no.)	1	1	1	1	1	
<i>2. R&amp;D Program on Emerging Issues</i>							
Carrying Capacity Assessment of Ecotourism Sites (June 2019 - Decemeber 2020)	Carrying capacity of ecotourism sites assessed (no. of sites) - Coron and Puerto Galera	2	2	2	2	2	0
<b>Capacity Buidling of DENR personnel on the</b> conduct of carrying capacity assessment	DENR personnel capacitated on carrying capacity assessment of ecotourism sites by cluster (no.)		3			3	0
<b>3. Maintenance of Laboratory in Support to the</b> <i>Centers RDE projects</i>	Laboratory maintained (no.)	1	1	1	1	1	1
<b>F.2.d. Agroforestry Research, Development, and</b>							

Extension Center (ARDEC)							
<b>1. Program on Forest Ecosystem Resiliency and Sustainability</b>							
Project. Phytological control of cogon ( <i>Imperata cylindrica</i> (L.) Beau) using tree seedlings applied with biofertilizer and combination of NPK and vermicast in degraded ancestral domain area, Talaingod, Davao del Norte	Experimental plots maintained (no.)	36	36	36	36	36	36
	Live fence maintained (linear meter)		800	800	800	800	800
	Rainfall data monitored (no.)			3	3	12	3
	Biological datasets collected and analyzed (no.) - survival - height - diameter - health		4	4	4	4	4
Project. Control and management of invasive alien species (IAS) ( <i>Piper aduncum</i> L.) to improve productivity and biodiversity of Lake Sebu, South Cotabato	Pilot areas protected, maintained and monitored (has.)	5	5	5	5	5	5
	Dataset (pests and diseases, growth performance, and survival of planted indigenous tree species) collected and analyzed (no.)	3	3	3	3	12	3
Project. Data Integration and Analysis on the Impact of CBFM Livelihood Projects in Selected Areas of the Philippines (Proposed New Project for 3rd QTR)	Live fence maintained (linear meter)	13,000	13,000	13,000	13000	1300	866
	Demonstration area/learning site established and maintained (no.)	1	1	1	1	1	1



(July 2020 - June 2021)							
RDE project in the FY 2020 proposal pipeline (NEW proposal stage)	RDE proposal reviewed and approved for implementation (no.)	2	2	2	2	2	
2. Maintenance of Laboratory in Support to the Centers RDE projects	Laboratory maintained (no.)	1	1	1	1	1	1
<b>F.2.e. Forest and Wetland Research, Development and Extension Center (FWRDEC)</b>							
<i>1. Program on Forests Ecosystem Resiliency and Sustainability</i>							
Project. Performance of different cloned climax species interplanted in existing tree plantation within mined-out areas of Carmen Copper Corporation (CCC) (May 2017 - December 2021)	Growth performance dataset (survival, height, diameter, and health status) collected (no.)	1	1	1	1	4	4
	Installed micro-climate device monitored, maintained, and protected (no.)	1	1	1	1	1	1
	Experimental plots monitored, maintained, and protected (no.)	3	3	3	3	3	3
	Database on micro-climatic data updated (no.)	1	1	1	1	1	1
	Soil samples collected and analyzed for NPK and heavy metals (no.)	22		22		44	22
Project. Establishment of Demonstration Areas (September 2018 - August 2022)	Demonstration area maintained and monitored (no.)	4	4	4	4	4	1

<p>Project. Development of Propagation and Plantation Establishment and Management Protocol of Lapnisan (<i>Aquilara</i> spp.) (Proposed New Project for 3rd QTR) (July 2020 - June 2025)</p>	<p>Growth dataset collected (no. of sites)</p>	4	4	4	4	4	1
<p><i>2. Program on Ecosystems Dynamics and Sustainable Management of Coastal and Freshwater Ecosystems</i></p>							
<p>Project. Greenhouse gas (GHG) flux measurements and microbial diversity assessment in disturbed and managed peatlands (January 2018 - Dec. 2019)</p>	<p>Soil and water quality assessed (no. of sites)</p>	1	1			1	0
	<p>GHG flux measurements measured (no. of sites)</p>	1	1			1	0
	<p>Emission rate of Greenhouse gasses (GHG) within peatland area determined (no. of GHG)</p>			3	3	3	0
<p>Project. Inventory, Survey, Mapping, and Assessment of Philippine Peatland Forest Areas (Proposed New Project for 3rd QTR) (July 2020 - June 2025)</p>							
<p>RDE project in the FY 2020 proposal pipeline (NEW proposal stage)</p>	<p>RDE proposal reviewed and approved for implementation (no.)</p>	1	1	1	1	1	
<p><i>3. R&amp;D Program on Emerging Issues</i></p>							
<p>Development of Integrated Pest Management for Industrial Tree Plantation Species (ITPs) and other Forest Plantations in Mindanao in Response</p>	<p>Database developed and maintained (no.)</p>	2	2	2	2	2	2

<p>to Climate Change (January 2018 - December 2020)</p>	<p>Dataset on pests and diseases infestation collected and analyzed (no.) - incidence - disease severity - plant height - root collar diameter</p> <p>Project sites surveyed and monitored (no.)</p> <p>GIS map on Pest and Disease distribution generated (no.)</p> <p>Key pests and diseases in forest nurseries/ITPs/other forest plantations identified and mapped (no.)</p> <p>Integrated pest and disease management strategies for ITPs evaluated (no.)</p> <p>Economic Threshold Level (ETL) and Economic Injury Level (EIL) models of major pest of Falcata developed (no.)</p> <p>Laboratory maintained (no.)</p>	4	4	4	4	4	4
		3	3	3	3	12	12
		3	3	3	3	12	3
		var.	var.	var.	var.	2	2
				1	1	2	0
					2	2	0
<p>4. Maintenance of Laboratory in Support to the Centers RDE projects</p>	<p>Laboratory maintained (no.)</p>	1	1	1	1	1	1
<p><b>F.2.f. Toxic and Hazardous Wastes Research, Development, and Extension Center (THWRDEC)</b></p>							

1. Program on Promoting Ecosystem Health and Sustainability of Urban Areas through Research and Development							
Project. Development of low-cost adsorbents from rice, coconut, sugarcane and maize residues for the removal of hexavalent chromium in tannery wastewater (October 2018 - September 2020)	Adsorption Kinetic parameters determined (no. of sets)	1	3			4	0
	Adsorption Equilibrium parameters determined (no. of sets)			2	2	4	0
	Water quality parameters determined (no. of datasets)			2	2	4	0
	Low-cost adsorbents characterized thru Fourier Transform Infrared (FTIR) spectroscopy and Scanning Electronic Microscope (SEM)					12	12
Project. Screening of selected bamboo species capable to uptake heavy metal pollutants from the soil (October 2018 - June 2020)	Heavy metal content analyzed (no.) (lead, mercury, cadmium, arsenic, chromium).	5	5			5	0
	Heavy metal absorptive capacity of selected bamboo species determined (no.)				6	6	0
Project. Development of Barangay Management System for Household Hazardous Wastes in Quezon City, Metro Manila (NEW) (February 2020 - March 2021)							
Project. Bioremediation of Wastewater Quality in Selected Esteros and Pasig River Tributaries using Asian Clams ( <i>Corbicula flumenea</i> )							

(Proposed New Project for 3rd QTR) (July 2020 - June 2021)							
RDE project in the FY 2020 proposal pipeline (NEW proposal stage)	RDE proposal reviewed and approved for implementation (no.)	1	1	1	1	1	
<b>Project Management and Supervision</b>							
<b>Fixed Expenditures and Mandatories</b>							
<b>III. Operations</b>							
<b>A. Natural Resources Conservation and Development Program</b> <i>Forest and Watershed Management Sub-Program</i> <i>Forest Development, Rehabilitation and Maintenance and Protection</i>							
1. Maintenance and Operation of Clonal Nurseries and Production of Quality Planting Materials	Clonal nurseries maintained (no.) Quality planting materials of idigenous forest tree species produced (no.)	6 30,000	6 30,000	6 6	6 6	6 60,000	6 49,586
ERDB Main Office		1 5,000	1 5,000	1 1	1 1	1 10,000	1 16,615
Research Centers:							
1) WWRRDEC		1 5,000	1 5,000	1 1	1 1	1 10000	1 5,080
2) UBRDEC		5,000	5,000	1	1	10000	12,107
3) CRERDEC		5,000	5,000	1	1	1	1
4) FWRDEC		5,000	5,000	1	1	10000	3,659
				1	1	1	1

5) ARDEC		5,000	5,000	1	1	10000	6,000
		5,000	5,000			1 10000	1 6,125
2. Plantation Establishment and Development	Area planted (has.)			60	60	120	0
ERDB Main Office				10	10	20	0
Research Centers:							
1) WWRRDEC				10	10	20	0
2) UBRDEC				10	10	20	0
3) CRERDEC				10	10	20	0
4) FWRDEC				10	10	20	0
5) ARDEC				10	10	20	0
3. Maintenance and Protection of Established Developed Plantations for the 1st year	Plantation maintained and protected (has.)				120	120	0
ERDB Main Office					20	20	0
Research Centers:							
1) WWRRDEC					20	20	0
2) UBRDEC					20	20	0
3) CRERDEC					20	20	0
4) FWRDEC					20	20	0
5) ARDEC					20	20	0
4. Maintenance and Operation of Production Area and Production of Hi-Q Vam 1	Production facilities maintained and operationalized (no.)	4	4	4	4	4	4
	Hi-Q Vam 1 inoculants harvested and packed with acceptable spore count, viability, and purity (tons)		200	250	250	700	0
	Hi-Q Vam 1 distributed to DENR Regional offices (tons)	218	60	56		334	7.8
5. Maintenance/Operationalization of Forest Tree Seed Centers (FTSC)	Forest Tree Seed Center (FTSC) maintained/operationalized (no.)	6	6	6	6	6	6

ERDB Main Office		1	1	1	1	1	1
Research Centers:							
1) WWRRDEC		1	1	1	1	1	1
2) UBRDEC		1	1	1	1	1	1
3) CRERDEC		1	1	1	1	1	1
4) FWRDEC		1	1	1	1	1	1
5) ARDEC		1	1	1	1	1	1
	Phenological calendar updated (no.)	5	5	10	10	30	2
	Seeds validated (species/seedlot)	var.	var.	var.	var.	var.	5
	Seed documented and registered (no.)		30	30	30	90	15
	Seed protocol developed (no. of species)	10	20	20	20	30	0
	Seed disposed and distributed (no.)	var.	var.	var.	var.	var.	-
<b>6. Other Related Activities</b>							
a) Impact Assessment of 2015 NGP sites	NGP sites assessed (no.)	3	9	8		20	0
	Database system on the biological, physical, socio-economic, and spatial characteristics of assessed 2015 NGP sites developed (no.)				1	1	0
	Executive summary submitted (no.)				20	20	0
b) Special studies	Special studies conducted (no.)	4	4	4	4	4	0
b.1. Growth performance of seed planting materials from different sources (MMNF, Clonal, PO)	Planting materials produced thru MMNF, Clonal, and PO (no.)	300	300			600	0
	Experimental sites established (sites)			2		2	0

	Growth data gathered (no.) - survival, height, diameter				3	3	0
b. 2. Carbon sequestration potential of selected NGP sites	NGP sites assessed for carbon sequestration potential (no. of provinces)	1	2	3	2	8	0
	Inputs to policy on carbon sequestration provided (no.)				1	1	0
b. 3. Assessment of Field performance of Planted QPMs for NGP	Experimental sites maintained (no.)	3	3	3	3	3	3
	Quality Planting Materials (QPMs) assessed (datasets per site) - diameter, height, survival	3	3	3	3	3	3
b. 4. Time and Motion study on the Production of QPMs using rooted cuttings through macro-somatic cloning and seed-based propagation technologies	Seedlings produced (no.)		300	300		600	0
	Cuttings produced (no.)		600			600	0
	Efficiency of propagation technologies assessed and documented (no.)			2	2	2	0
b.5. Soil Mapping for the preparation of Forest Soils Map	Soil properties/parameters analyzed (no.)				10	10	0
	Maps generated (no.)				3	3	0
c) Maintenance and protection of experimental forests	Experimental forests maintained and protected (no.)	24	24	24	24	24	24
ERDB Main Office (maintained under LESD)		1	1	1	1	1	1
Research Centers:							
1) WWRRDEC		4	4	4	4	4	4
2) UBRDEC		5	5	5	5	5	5
3) CRERDEC		6	6	6	6	6	6
4) FWRDEC		7	7	7	7	7	7
5) ARDEC		1	1	1	1	1	1



d) Conduct of Trainings/Workshops/ Seminar	Trainings/workshops/seminars conducted (no.)		1			2	0
	- Phenological calendar and seed testing		1			1	0
	- Carbon Sequestration Potential		1			1	0
	IEC materials produced (no.)				2	2	0
e) Technical assistance/support to NGP Regional implementers	Technical assistance provided (no.)	var.	var.	var.	var.	var.	3
	- Turned-over clonal nurseries					var.	
	- De-listed Seed sources					var.	1
	- Bamboo Plantations					var.	2
	- Mangrove Plantations					var.	
	Guidelines/Techno Bulletin on the Monitoting & Evaluation of Mangrove and Beach Forest finalized (no.)				1	1	0
f) UPLB project (Integrated Research and Development for High Value Forest Crops)	Propagation protocols of high value forest crops developed (no.)				3	3	
	DNA analyzed (no. of population)		20	20	20	20	
	Field gene bank maintained (ha.)	0.5	0.5	0.5	0.5	0.5	
<b>7. Project Management and Supervision</b>							
<b>ERDB Main Office</b>							
a) Joint Assessment and Evaluation	Sites monitored and evaluated (no.)						
	- Turned-over clonal nurseries (regions)	3	5	5	3	16	0
	- Distribution and use of Mycorrhiza Mycorrhiza (regions)	6	6	4		16	0
	- Retained Seed sources (sites)	14	25			39	1
	- Bamboo Plantations (regions)		6	6	3	15	0
	- Mangrove Plantations (regions)	5	5	3		13	0
b) Submission of Reports	Report prepared and submitted (no.)						
	- Monthly	3	3	3	3	12	3
	- Quarterly	1	1	1	1	4	1

	- Semi-annual - Annual		1		1	1	0 0
c) Conduct and participation in the NGP consultation meetings/workshops	NGP consultation meetings/workshops attended (no.)	var.	var.	var.	var.	var.	2
8. Hiring of Project Development Officers	Project Development Officers hired (no.)	4	4	4	4	4	4
<b>B. Environmental and Natural Resources</b>							
Natural Resources Assessment Sub-Program							
B.1. Vulnerability Assessment							
1. Provision of technical assistance in the inclusion of climate resiliency aspect in the implementation of vulnerability assessment	Vulnerability assessment implementation assisted (no.)			11	3	14	0
2. Review of 2019 VA reports submitted by regional offices with characterization report	Vulnerability assessment reports reviewed and evaluated (no.) (CY 2019 targets)	3	3			6	5
	Workshop/training on vulnerability assessment report writing conducted (no.)				1	1	0
B.2. Natural Resources Accounting and Valuation Program							
1. Conduct of workshop/training	Ecosystem Valuation training module prepared (no.)		1			1	
2. Conduct of Resources Valuation study	Ecosystem services valued (no.)		1	1	1	1	


PMS and M&E							
Fixed Expenditures/Mandatories							

Prepared by:

Reviewed by:

Recommended

**EDUVIGES T. GIBAS**  
Project Evaluation Officer III

  
**MARIE ABBIE GAIL L. DELA CUEVA**  
Chief, PMISU

**MAYUMI QUI**  
A

PHYSICAL ACCOMPLISHMENT					REMARKS
2ND QUARTER	3RD QUARTER	4TH QUARTER	TOTAL	VARIANCE AS OF MARCH	
			12	4	
			0	1	Fourth quarter target. Annual procurement plan for FY 2021.
			1		Constant target. ERDB building and facilities are regularly maintained. Maintenance activity include: replacement of roof, dilapidated room partitions, door knobs, and the likes.
			320		Constant target.
			45		Constant target. Activities include: change oil, regular servicing, replacement of tires and the likes
			1	5	Technology assessment training scheduled on March 10-12, 2020 was postponed as precautionary measure to CoVID-19.

			0	7	Documents were already prepared and submitted for processing.
					<b>MOOE and CO</b>
					MOOE and CO
			4		Constant target and continuing activity
					Initial coordination to KISS was already done for the list of ICT equipment to be purchased
			1		Constant target and continuing activity
			1		Constant target and continuing activity
			7	7	Main Office and 7 RDECs statistical report for the 3rd and 4th quarter of FY 2019 were already submitted to DENR-SDRMD last 13 March 2020.

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			0	4	All activities were put on-hold due to CoVID-19, awaiting further instruction from DENR Central Office. Advisories on the initial postponement of the conference proper were already posted in the ERDB website for the International Conferences.
				4	
			1		1st and 2nd quarter continuing activity
			0	1	4th quarter target
			5	3	EAGLE Workshop (January 28-31, 2020) UWM Workshop (January 7-8, 2020) EAGLE Meeting (February 14, 2020)

			1	3	SPMS Indicators Meeting (February 21, 2020) NGP Implementers workshop (March 11-13, 2020) 1st Management Conference (March 4-5, 2020)
				1	
				8	
			3	5	Protect Wildlife Protect Steering Committee meeting (February 04, 2020) World Water Day Steering Committee meeting (February 5 and 26, 2020)
				4	4th quarter target



			1	Continuing activity based on the identified research gaps, reviewed proposals, and mentoring of Research Centers technical staff.
		13		Target based on the ERDB Mother WFP is varied. Annual targets shall be based on the total number of proposals reviewed under Forest Resiliency and Sustainable Program.
		2	2	Among the proposals reviewed, one (1) proposal for project extension "Integrated Pest Management" under WWRDEC was reviewed and approved.
		ongoing		Continuing activity.
		8	1	Continuing activity based on the identified research gaps, reviewed proposals, and mentoring of Research Centers technical staff.
				Target based on the ERDB Mother WFP is varied. Annual targets shall be based on the total number of proposals reviewed under Ecosystems Dynamics and Sustainable Management of Coastal and Freshwater Ecosystems

				<p>Among the proposals reviewed, one (1) proposal for project extension "GHG Flux Measurement and Carbon Stock Assessment of Peatlands" was reviewed and approved.</p>
		3	1	<p>West Philippine Sea Strategic Plan Consultation/ Program Review (12-14 Feb. 2020)  Small Wokshop on Mangrove Road Map (06 Feb.)  “Philippines’ Eastern Seaboard Coastal Resilience Project (CRP)” Proposal to the Green Climate Fund (GCF) Workshop (10 March)</p>
		ongoing		<p>For water hyacinth project, preparation for laboratory processing of samples is on-going. Water samples were submitted to BIOTECH for heavy metals (Pb, Cd, and Cr) and BOD determination. Data assesmbly for <i>in-situ</i> water analysis is on-going. This include the following parameters, temp, pH, salnity, conductivity, cholorphyll and blue green algae.</p> <p>Presentation of Reference Materials on Sustainable Efforts done by DENR through Reversion of Dis-used Fishpond Lease Agreement Areas to Mangrove Forests (06 March 2020)</p> <p>6th Watershed Multi-sectoral Technical Evaluation Committee (WMTEC) (05 March 2020)</p> <p>Inputs on the UN General Assembly Resolution (03 March 2020)</p>

			1		Continuing activity based on the identified research gaps, reviewed proposals, and mentoring of Research Centers technical staff.
			4		<p>Target based on the ERDB Mother WFP is varied. Annual targets shall be based on the total number of proposals reviewed under Ecosystems Health and Sustainability of Urban Areas through Research and Development.</p> <p>Among the proposals reviewed, one (1) proposal for FY 2020 implementation "Development of Barangay Management System for Household Hazardous Wastes" was reviewed and approved.</p>
			8	-4	
			2		Target is varied based on the ERDB Mother WFP. Prepared and submitted a proposals for the Smart City and Smart Solution Project for possible assistance under the 2020 K-City network Global Cooperation Program.
			on-going		A proposal titled "Development of Strategies for Climate Resilient and Sustainable Urban Areas for Inclusive Growth" for review.
			9	11	<p>Assistance rendered:</p> <ol style="list-style-type: none"> <li>1. Performance Assessment for the Eagle Awards</li> <li>2. Inputs to HB No.3180 "An Act Commissioning a Research on Climate Change Drinking Water</li> </ol>

					Adpatation" 3. Inputs to UN General Assembly Resolution 73/333 Note and Questionnaire to guide the Way Forward 4. Inputs to House Bill Nos. 265, 1117, 3351, and 4860 amending the Wildlife Act and House Resolution No. 248 "Directing the Committee on Natural Resources to conduct an investigation in aid of legislation, into the illegal wildlife trade in the Philippines and Review of Relevamt Existing Laws"
					Nine (9) projects still under proposal stage for review
			1 9	9	IPM in WWRRDEC, February 5-8, 2020  CZFERD targets on monitoring are under the following centers:  UBRDEC •Ecological carrying capacity PPUR •Development of PMEF •Carbon Mapping and Accounting FWRDEC •GHG petlands •Predictive tool on fish kill CRERDEC •Microplastic determination in selected water bodies • Growth variation of mangroves • Carrying capacity in Siargao and Bohol
			0	5	No targets for the quarter

			10		Continuing Activity
			1		Updated the information in the database such as scientific names, family names of each specimens collected dated 2013.
					No herbarium specimens were pressed and processed as of this month.
			1		Assisted an agriculture student from UPLB requested on the processing of herbarium specimen.
					The cleanliness and orderliness of the Chemistry Laboratory is continuously done.
					Preparation of documents for repair and calibration of 2 fumehoods are ongoing.
			3	3	1. Oven drying of wood debris collected from mangrove of Guimaras for the project Mangrove Carbon Accounting and Mapping
					2. Proximate analysis of Mongo-Tablea Spread samples from LSPU thesis student Ms. Corina Ruga
					3. Total NPK analysis of compost from saw dust and vegetable scraps from LSPU thesis student Kristeffanie Ann B. Ballarbari
			1		Regularly maintained the cleanliness of laboratory.
			2	18	
			1		Regularly maintained the cleanliness of

			1		laboratory. Regularly maintained the cleanliness of laboratory.
			1		Regularly maintained the cleanliness of laboratory.
			1		
			3	1	Initial seed testing (seed count, %MC, and seed health) of Katong Matsing and Moraceae species. These species were included in the list/database of collected species
			1	3	Monitoring of the Forest Tree Seed Center (FTSC) will be conducted in WWRRDEC, CRERDEC and ARDEC on the 2nd quarter of this year
					Regularly maintained the cleanliness of laboratory.
			1		Regularly maintained the cleanliness of laboratory.
			109	291	
			1		Ten species is being maintained at the Tissue Culture Laboratory. This include the following:
			10	-6	<i>Giant bamboo (D. asper)</i> , <i>Kwayan Tinik (B. blumeana)</i> , <i>Bagras (E. deglupta)</i> , <i>Bignay (A. bunius)</i> , <i>Mamalis (P. pentandrum )</i> , <i>Mangium (A. mangium)</i> , <i>Moluccan sau (P. falcataria)</i> , <i>Lagundi (V. negundo )</i> , <i>Molave (V. parviflora )</i> ,

			1 5 31	15	<p>and Lipote (<i>S. polycephaloides</i>)</p> <p>Regularly maintained the cleanliness of laboratory.</p> <p>Laboratory equipment are regularly maintained Canvass of service provider for the calibration of these equipment is still on process. Calibration shall commence 2nd quarter of this year</p>
			2 1	5	<p>Continuing activity</p> <p>Continued maintenance of the two (2) demonstration areas:</p> <p>1. Los Baños Experiment Station (LBES)</p> <ul style="list-style-type: none"> <li>- LBS Facilities (including Jamboree Site)</li> <li>- Conservation Breeding of <i>Sus philippenensis</i></li> <li>- Butterfly Sanctuary</li> <li>- Rattan Genebank</li> </ul> <p>2. Research and Development Demonstration Zone (RDZ)</p> <ul style="list-style-type: none"> <li>- RDZ Facilities</li> <li>- Bamboo and Rattan Gallery</li> <li>- Butterfly Garden</li> <li>- Bamboo and Nursery Garden</li> <li>- Charcoal Briquetting and Material Recovery Facility</li> </ul> <p>Monitoring of RDECs' laboratories shall be done on the 2nd quarter of this year.</p>

			0	1	Roll out with RDECs was postponed. Re-scheduling of the said activity will undergo further discussion.
			100		
			0	6	
			0	6	
			0	6	
			0	6	
			1	0	



0

6

4

5

0

6

Targets are set for 2nd quarter

0

6

0

6

0

6

1

4

0

0

0

9

0

9

0

9

1

4

			1	4	
			2	5	
			0	4	
			0	3	
			15	-11	
			0	6	
			1	1	
			1	2	
			0	1	
			1	28	
			0	15	
			0	6	Targets are set for 4th quarter to be conducted by RDECs
			0	6	Submission by RDECs are set on the 4th quarter
			0	6	Consolidation shall be done on the 4th quarter based on the submission of RDECs

1

Ongoing update of database with the data from 2019 annual reports of the RDECs

0

300

0

25000

0

500

0

500

0

1400

5

15

0

2000

0

1

0

50

			0	4	
			10	-6	
			2	2	
			1		
			10	2	
			1022	-622	
			1	11	
			1	5	
				1	
			0	10	
			0	20	
			0	150	
			1		
			1	3	
			1	3	
			1		

			1		
			3	3	
			1		
			0	6	
			0	6	
			1	1	
			0	3	
			0	3	
			0	1	
			0	1	

				9	Project shall be revised to accommodate the priority of the Secretray re Benguet pine status
				4	
				2	
		0		3	Target is set for 2nd quarter
		2			
				3	
		0		1	Target is set for 2nd quarter
		0		1	Target is set for 4th quarter
		1			Constant target and continuing activity.

			5		Non-timber forest products
			20		
				1	
			24	12	
			0	1	Target is set for 2nd quarter
			0	1	Target is set for 2nd quarter
			0	1	Target is set for 2nd quarter

			2		Constant target and continuing activity
			1		Constant target and continuing activity
			0	5	Target is set for 3rd and 4th quarter
			1		Constant target and continuing activity
			1	5	
			1	5	Field is done in Olas, Lagonoy, Camarines Sur
			1	5	
			0	6	Target activities for 3rd and 4th quarters
			1		Continuing activity



			2	18	
			1		Continuing activity. Data gathered from the ten sites are consolidated and analyzed.
			3		
			1	2	<p>Most of the planted mangroves have already attained the flowering stage, and in fact, some mangrove species were able to bear fruits and mature propagules and seeds like busain, pototan, pototan lalaki, tangal, malatangal, api-api, bungalon, bungalon puti, tabau, bakauan babae, bakauan lalaki, bakauan bangkau among others. Thus, monitoring the phenological characteristics of mangroves will provide us relevant information for improving/updating Mangrove Seed Calendar.</p> <p>Some of the mangrove species have been developing peculiar root systems distinct to each species; which are their means of adaptive capacity to thrive in a very harsh site conditions. For instance, the Rhizophora group tends to develop stilt or prop roots; pneumatophores for the</p> <p>The activities are focusing on growth data collection for estimating biomass yield and carbon sequestration, monitoring of the development of matured fruits/propagules for seed germination and viability</p>

			0	120	testing, and preparation of management plans for future undertakings in collaboration with the people's organizations such as development of a mangrove ecotourism park, seed sources, and the like.
			0	10	Field assessment for Sablayan, Occidental Mindoro was postponed due to the enhanced community quarantine. Target activities shall be conducted in April to May 2020
			0	1	
			0	2	Initial coordination with PENRO and DoT of Oriental Mindoro was cancelled due to the enhanced community quarantine. Coordination shall be done upon clearance with DENR CO.
			0	3	Awaiting the approval of the CARCAP Manual by DENR PTWG and or clearance to DENR CO
			1		Constant and continuing activity

			36		
			800		
			3	9	
			4		Quarterly assessment
			5		
			3	9	
			866	434	The 434 linear meter live fence/firebreak for repair
			1		

			1	2	Plant tissue and Soil Laboratory located at Nabunturan, Compostela Valley
			4		Quarterly data gathering
			1		
			3		
			1		
			22	22	
			1	3	

			1	3	
			0	1	Assessment shall be done after the enhanced community quarantine is lifted
			0	1	Assessment shall be done after the enhanced community quarantine is lifted
			0	3	Target is set for 3rd quarter
				1	
			2		

			4		
			12		
			3	9	
			2		
			0	2	
			0	2	
			1		Constant target and continuing activity

			0	4	Job contract for the analysis of samples for kinetic experiments is still on process
			0	4	Submission of samples for Cr(VI) analysis is expected before the end of March after the approval of the job contract.
			0	4	Target is set for 2nd quarter
			0	12	Target is set for 3rd quarter
			0	5	Preparation, packaging and labelling of bamboo tissue samples for HM analysis were conducted. Samples for submission to Intertek, Makati for analysis.
			0	6	Target is set for 3rd quarter. Refers to six (6) bamboo species  Approved for implementation starting April 2020 to March 2021.

				1	
					Mandatories such as electricy, water, and the likes GAD impositions Youth impositions Senior impositions Anti Red Tape impositions
					MOOE and CO
					MOOE and CO
			6 49,586	10414	Ongoing maintenance and operation of clonal nurseries
			1 16,615	-6615	
			1 5,080 1 12,107 1 3,659 1	4920  -2107  6341	



			6,000 1 6,125	4000 3875	
			0	120	Targets are set for 3rd and 4th Quarter
			0	20	
			0	20	
			0	20	
			0	20	
			0	20	
			0	20	
			0	120	Targets are set for 4th Quarter
			0	20	
			0	20	
			0	20	
			0	20	
			0	20	
			4	0	Ongoing maintenance and operation of Hi-Q Vam1 facilities
			0	700	Targets are set for 2nd - 4th quarters
			7.8	326.2	
			6		Constant target and continuing activity

			1		
			1		
			1		
			1		
			1		
			1		
			2	28	
			5		
			15	75	Target is set for 2nd quarter
			0	30	
			-		Seeds disposed and distributed shall be based on official request made to the Tree Seed Center
			0	20	Target sites already assigned to teams during levelling off workshop. Field assessment shall start after clearance to domestic travel is granted in reference to the enhanced community quarantine.
			0	1	
			0	20	
			0	4	
			0	600	
			0	2	

			0	3	
			0	8	
			0	1	
			3		
			3		
			0	600	Targets are set for 2nd - 4th Quarter
			0	600	
			0	2	Targets are set for 2nd - 4th Quarter
			0	10	Targets are set for 4th quarter
			0	3	Targets are set for 4th quarter
			24	0	Constant target and continuing activity
			1		
			4		
			5		
			6		
			7		
			1		

			0	2	
			0	1	
			0	1	
			0	2	
			3		
			1		
			2		
			0	1	
				3	Funds to be downloaded to UPLB, separate WFP WFP still for UPLB's revision
				20	
				0.5	
			0	16	National SO is still being prepared by FMB Field assessment/evaluation shall start after clearance for domestic travel is granted in reference to the enhanced community quarantine.
			0	16	
			1	38	
			0	15	
			0	13	
			3	9	
			1	3	

			0 0	1 1	
			2		
			4		
			0	14	Reconciled with DENR Regional Offices the CY 2020 targets for Watershed Characterization cum VA as per list provided by DENR-CO Planning
			5		One in Region 12, three in Region 6 and one in Region 10
			0	1	
				1	
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ed by:

Approved by:

**INTOS-NATIVIDAD**  
Assistant Director

  
**NONITO M. TAMAYO, CESO IV**  
Director