

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
1	CDA-0002	Value Chain Program for Cooperatives	CDA		Chapter 8	This is an intervention project of CDA to ignite the engine of growth for countryside development and prosperity through cooperatives. It aims to conduct a profiling of the coops in the whole country to determine the products and services of cooperatives based on the following industries: 1) agriculture; 2) livestock; 3) fisheries; and others. 2. Provide technical assistance that will strengthen cooperatives as institution and link them to relevant agencies that will assist them in terms of other capacity building, training and marketing.	Nationwide		LFP	2017	2022	5,000,000.00	4,543,585.13	4,997,943.64	5,497,738.01	6,047,511.81	6,652,262.99	32,739,041.58
2	DA-0017	Bureau of Plant Industry - Quarantine Services	DA		Chapter 8	Issuances of Permits/licenses and accreditation of agricultural entities; Monitoring and Enforcement Services	Nationwide		LFP	2017	2022	211,078,000.00	196,402,000.00	-	-	-	-	407,480,000.00
3	DA-0024	Philippine Center for Postharvest Development and Mechanization - Extension Support Education and Training Services	DA		Chapter 8	The PhilMech implements aggressive Extension Support, Education and Training Services for the promotion of appropriate and improved technologies among the various intermediaries, end-users and other stakeholders. Specifically the agency undertakes technology transfer, training and extension of research results to primarily, the intermediaries, e.g. RFOs, LGUs, as well as direct beneficiaries/clients on a limited basis and other stakeholders (manufacturers, policy makers, etc.) of the industry.	Nationwide		LFP	2017	2022	96,311,000.00	77,025,000.00	103,659,000.00	88,421,000.00	89,118,000.00	90,711,000.00	545,245,000.00
4	DA-0025	Philippine Center for Postharvest Development and Mechanization - Development of agricultural mechanization and Post-Harvest technologies	DA		Chapter 8	The agency conducts research and development programs, activities and projects (PAPs) with the aim of developing and/or adapting mechanization and postharvest technologies and processes expected to improve production, reduce quantitative and qualitative losses and eventually increase productivity and profitability among the industry stakeholders. The different programs, projects and activities on research underpin relevant agriculture and fishery mechanization postharvest issues and problems.	Nationwide		LFP	2017	2022	89,158,000.00	99,833,000.00	310,844,000.00	186,717,000.00	202,451,000.00	219,700,000.00	1,108,703,000.00
5	DA-0038	BSWM- National Soil Sampling and Testing for Productivity Improvement in Key Agricultural Production Areas	DA		Chapter 8	The project intends to improve productivity through the development of color-coded agricultural maps and technology promotion on best management practices	Nationwide		LFP	2017	2020	28,235,000.00	37,000,000.00	47,000,000.00	18,000,000.00	-	-	130,235,000.00
6	DA-0040	BSWM-Establishment of Agro-Meteorological Stations in Highly Vulnerable Agricultural Areas: A tool for Climate Change Adaption and in the Development of Local Early Warning System (Agromet Cum Climate Change) (AGROMET)	DA		Chapter 8	The project aims to reduce the vulnerability of the agricultural sector on the impact of climate and related natural disasters through timely and accurate agrometeorological data monitoring, especially the resource-poor farmers and communities.	Nationwide		ODA-US	2011	2017	1,241,561.63	-	-	-	-	-	1,241,561.63
7	DA-0041	Bureau of Plant Industry - Strengthening the National Pesticide Analytical Laboratory	DA		Chapter 8	The project has three components: Provision/procurement of equipment; Improvement of methods of analysis and project implementation, Coordination, Monitoring & Evaluation and Promotion	Region-Specific	NCR	ODA-JICA	2018	2019	-	43,000,000.00	7,000,000.00	-	-	-	50,000,000.00
8	DA-0020	National Rice Program	DA		Chapter 8	Rice Program consist of 6 components/activities: 1. Production Support Services (PSS) 2. Market Development Services (MDS) 3. Extension Support, Education and Training Support Services (ESETS) 4. Research and Development (R&D) 5. Irrigation Network Planning and Contract Management Services; and 6. Provision of Agricultural Equipment and Facilities (PAEF)	Interregional	CAR, Region I, Region II, Region III, Region IVA, Region IVB, Region V, Region VI, Region VII, Region VIII, Region XVIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2022	11,400,377,000.00	43,390,929,000.00	45,994,384,740.00	48,754,047,824.00	51,679,290,694.00	54,780,048,135.00	255,999,077,393.00

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9	DA-0045	Panay Island Upland Sustainable Rural Development Program (PIU-SRDP)	DA		Chapter 8	Project implementation in 5 rural upland municipalities in Panay island with the aim at reviving the "bayanihan spirit" in the rural areas specially in the upland communities using the Saemaul Undung approach focusing on self-help and value reorientation towards the important goal of productivity, sustainability, resilience and equity.	Region-Specific	Region VI	LFP	2017	2022	6,330,000.00	9,215,000.00	9,768,000.00	10,354,000.00	10,975,000.00	11,634,000.00	58,276,000.00
10	DA-0051	Implementation of Various Production Support Services	DA		Chapter 8	These are services for the provision of agricultural fishery inputs to targeted beneficiaries and/or partner entities (e.g., LGUS, CSOs, POs) with the aim of increasing the level of crops, fishery, and livestock and poultry production.	Nationwide		LFP	2017	2022	115,442,998.00	312,129,440.00	78,864,665.00	80,059,788.00	88,717,043.00	88,717,043.00	763,930,977.00
11	DA-0054	Agri & Fishery Product Standards	DA		Chapter 8	Formulation of Agriculture and Fishery Standards	Nationwide		LFP	2017	2022	85,387,000.00	90,510,220.00	95,940,833.00	101,697,283.00	107,799,120.00	114,267,067.00	595,601,523.00
12	DA-0080	RFOXII-Restoring Agricultural Livelihoods in Conflict-Affected Communities in Cotabato Province (OSRO/PH/5O1/NZE)	DA		Chapter 8	The general objective of the project is to contribute to the attainment of sustainable peace and development in Cotabato Province by providing support to the rehabilitation and restoration of agriculture and fisheries-based livelihoods. Immediate objective include the following: i. Restore agriculture and fisheries-based livelihoods of smaller farmers and marginal fishers, including soon-to-be decommissioned combatants and women, and increase their productivity; ii. Enhance the sustainable farming capabilities and increase the farm productivity of the target beneficiaries to ensure household and community food security; and iii. Increase resilience of farming, fishing and related livelihoods against multiple hazards (e.g. natural and human induced).	Region-Specific	Region XII	ODA-FAO	2017	2017	135,000,000.00	-	-	-	-	-	135,000,000.00
13	DA-0083	Philippine Rubber Research Institute - RP-China Cooperation on Capacity Building in Rubber Research, Development and Extension	DA		Chapter 8	The project will support scientific exchange and attendance of RDE workers in local and international trainings, workshops and conferences, especially those organized by the Rubber Research Institute of CATAS. The project will also support the development and enhancement of the national rubber database on production and manufacturing technologies and other related data.	Region-Specific	Region IX	ODA-China	2018	2019	-	2,500,000.00	2,500,000.00	-	-	-	5,000,000.00
14	DA-0103	Meat Safety and Quality Assurance Subprogram	DA		Chapter 8	Strengthening of local meat inspection service Conduct of ISO consultancy	Nationwide		LFP	2017	2022	65,811,000.00	-	-	-	-	-	65,811,000.00
15	DA-0106	BAI - National Animal Identification and Traceability System	DA		Chapter 8	The project will improve the animal recording systems and strengthen the animal identification and traceability system in the country. The backbone of a sound genetic improvement is an organized recording system. Therefore, performance of animal or the so called estimated breeding values can only be determined if there are good recording system.	Nationwide		TBD	2018	2022	-	87,200,000.00	87,200,000.00	87,200,000.00	87,200,000.00	87,200,000.00	436,000,000.00
16	DA-0111	Registration and Licensing	DA		Chapter 8	Registration and Licensing initiatives are directed in addressing the core imperative to better deliver regulatory in the agricultural and fisheries industries 1. Trade facilitation and ease of doing business through rational, transparent regulations, such as standardized procedures for Licensing, Registration and Accreditation of Agri-Fisheries-based enterprises.	Nationwide		LFP	2017	2022	51,168,000.00	69,675,830.00	45,119,144.00	52,767,995.00	55,926,720.00	65,042,073.00	339,699,762.00
17	DA-0112	Automated Collection of Slaughter Data and Issuance of Meat Inspection Certificate	DA		Chapter 8	The aim of the project is to have an accurate data in slaughtered animals and the volume of meat types in the Philippines and to prevent under reporting in meat establishments	Nationwide		TBD	2018	2022	-	20,000,000.00	20,000,000.00	20,000,000.00	20,000,000.00	20,000,000.00	100,000,000.00

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18	DA-0117	Quality Control and Inspection	DA		Chapter 8	Quality control initiatives are directed in addressing the core imperatives to better deliver regulatory in the agricultural and fisheries industries: 1. Assurance of safe and quality products through Improvement/establishment of Quality assurance, soils and animal feeds analysis and pest/diseases diagnostic laboratories 2. Harmonization and Streamlining of DA Regulations through establishments of Standards, Codes of Practice and implementation of pertinent Technical Regulations	Nationwide		LFP	2017	2022	568,125,000.00	423,527,170.00	104,308,790.00	119,699,362.00	124,976,741.00	144,167,842.00	1,484,804,905.00
19	DA-0118	Nationwide Benchmarking on Pollution Load from Slaughterhouses (SLH) and Poultry Dressing Plants (PDPs)	DA		Chapter 8	It is the aim of this project to expand the coverage of the pollution benchmarking from Manila Bay Area to a Nationwide approach covering the Class "AA" and "AAA" SLHs and PDPs and also Class "A" or Locally Registered Meat Establishments (LRMEs)	Nationwide		TBD	2018	2022	-	8,929,920.00	8,929,920.00	8,929,920.00	8,929,920.00	8,929,920.00	44,649,600.00
20	DA-0120	BAR-Strengthening DA-BAR's implementation of Community-based Participatory Action Research (CPAR) through in-depth learning of the "Sustainable Livelihood Framework and Analysis"	DA		Chapter 8	The "Sustainable Livelihood" as a framework/analysis is crucial in providing insights into rural realities and contributes to the design of more realistic people-centered rural development investments as well as increase impact of interventions on rural people's livelihoods	Region-Specific	NCR	TBD	2018	2018	-	4,762,584.24	-	-	-	-	4,762,584.24
21	DA-0124	Rehabilitation of Aquaculture Production Irrigation Systems	DA	BFAR	Chapter 8	The proposed project is aimed at rehabilitating the irrigation system for fishponds use and desiltation of the mariculture parks to improve productivity of major production areas/aquaculture farms in the Region.	Region-Specific	Region I	TBD	2018	2027	-	401,000,000.00	-	-	-	-	401,000,000.00
22	DA-0128	Strategic Management and Utilization of Grouper (SMUG) Project	DA	BFAR	Chapter 8	The project aimed at addressing the management issues in the utilization of groupers (Serranidae) in some of areas where these are raised, the project would also intend to ensure that groupers in the selected project sites are maintained at sustainable levels taking into account the precautionary approach to fisheries management.	Region-Specific	Region IVB	TBD	2018	2019	-	3,097,000.00	3,097,000.00	-	-	-	6,194,000.00
23	DA-0060	ACPC- Agro-Industry Modernization Credit and Financing Program (AMCFP) Administration	DA	ACPC	Chapter 8	"Credit for (i) Agri-fishery production, (ii) Agri-microfinance (farm, non-farm or off-farm income generating activities), (iii) Farm equipment or machineries or working animals acquisition, working capital for trading (iv) Agri-marketing and processing, (v) Agri-enterprise"	Interregional	CAR, Region I, Region II, Region III, Region IVA, Region IVB, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2022	750,000,000.00	50,000,000,000.00	-	-	-	-	50,750,000,000.00
24	DA-0136	Partnership Arrangement for the Establishment and Operation of a Dairy Cattle Production and Rearing Farm Business for Dairy Development	DA	NDA	Chapter 8	The project aims to: To increase the number and quality of local dairy animals through the establishment and operation of dairy cattle production and rearing farm To improve dairy cattle production systems through the creation of local sources of dairy cattle in partnership with the private sector.	Region-Specific	Region IVA	LFP	2018	2018	-	66,912,626.00	-	-	-	-	66,912,626.00
25	DA-0056	Philippine Crop Insurance Corporation - Crop Insurance Services	DA	PCIC	Chapter 8	Provision of free agricultural insurance coverage (Rice, Corn, High Value Crop, Livestock, Non-Crop Asset, Fisheries) to farmers and fisherfolk listed in the Registry System for Basic Sectors in Agriculture (RSBSA)	Interregional	CAR, Region I, Region II, Region III, Region IVA, Region IVB, Region V, Region VI, Region VII, Region VIII, Region XVIII, Region IX, Region X, Region XI, Region XII, Region XIII	LFP	2017	2022	2,500,000,000.00	2,500,000,000.00	4,500,000,000.00	5,500,000,000.00	6,500,000,000.00	7,500,000,000.00	29,000,000,000.00

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26	DA-0148	Farmers and Fisherfolks Database and Farm Geo-Referencing	DA		Chapter 8	This project aims to create a centralized and nationwide farmers and fisherfolks database that would support various levels of planning, decision-making, and delivery of interventions for the Department of Agriculture. The database contains information on farmers, farm laborers, and fishermen and their farm parcel. The database can significantly improve the delivery of programs and services of the Department of Agriculture while making the data available to other agencies that share the same stakeholders as the DA. It includes conduct of nationwide validation and registration of farmers and updating of the existing farmers registry. This project also includes printing and distribution of farmer's ID card that will serve as a single and standard identification system for all registered farmers. The farmer's ID card can be used as a first level validation and authentication of DA beneficiaries. Along with the ID card, this project will also provide a Farmer's Passbook / booklet that list down all the interventions that the farmers can avail from DA. The booklet will also act as the farmer's own record book of his farming activities.	Nationwide		LFP	2018	2020	-	1,663,060,066.67	1,248,503,666.67	1,248,503,666.67	-	-	4,160,067,400.01
27	DA-0018	Philippine Rural Development Project	DA		Chapter 8	PRDP is a six-year national government platform for a modern and climate-smart agriculture to be pursued through partnerships with local government units and agri-fishery stakeholders. It will take-off from the gains and lessons of various DA programs such as project tracking by geo-tagging and building capacity of LGUs and farming and fishing communities to manage and sustain agri-fishery support infrastructure and services, among others. The Project will operationalize the national and regional Agriculture and Fishery Modernization Plans (AFMPs) through integration of plans at the provincial level. Also, the Project will be guided by the vulnerability and suitability assessment framework, which was initially used for the Central Philippines Rural Development Project (CPRDP) preparation. Also, it will develop value chain roadmaps that will serve as an input in the selection and prioritization of investments in the target areas.	Interregional	CAR, Region I, Region II, Region III, Region IVA, Region IVB, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	ODA-WB	2014	2021	2,151,609,994.00	-	-	-	-	-	2,151,609,994.00
28	DA-0019	Proposed Expansion of the Philippine Rural Development Project	DA		Chapter 8	The proposed expansion of the PRDP with additional financing from the World Bank is critical to maintain the institutional momentum for implementing the reforms and new ways of doing business under PRDP. It is also vital to sustain the unprecedented level of LGU support that has come through the devolved partnership arrangements under the PRDP. Given the fast turnout for infrastructure investments, the proposal to avail of USD 450 Million additional loan proceeds from the World Bank will mainly to cater to the excess demand and the prospective proposals for rural infrastructures.	Interregional	CAR, Region I, Region II, Region III, Region IVA, Region IVB, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	ODA-WB	2017	2021	7,448,516,671.60	8,981,386,696.00	5,825,671,889.70	1,625,080,992.80	-	-	23,880,656,250.10
29	DA-0169	National Food Quantification Study	DA		Chapter 8	The study will be conducted to determine the volume of food consumed by Filipinos, how they are being produced and how much food would be needed in the future (for instance in the next five or ten years) given the population growth and other relevant factors in order to ensure that there would be available and affordable food for the country.	Nationwide		ODA-FAO	2019	2020	-	-	15,651,824.72	-	-	-	15,651,824.72
30	DA-0171	Expansion of Coffee and Cacao Production	DA		Chapter 8	The proposed project is to address the limited supply of coffee and cacao beans that resulted to importation, hence the proposal hopes to increase production of coffee and cacao in CALABARZON through the provision and planting of quality planting materials.	Region-Specific	Region IVA	LFP	2019	2022	-	-	15,000,000.00	20,000,000.00	25,000,000.00	30,000,000.00	90,000,000.00
31	DA-0173	RFOVIII-Improvement of Cacao Planting Materials Production in Region 8	DA		Chapter 8	To aid the production of cacao beans by increasing the propagation of the cacao plant.	Region-Specific	Region VIII	LFP	2019	2024	-	-	2,000,000.00	5,000,000.00	1,000,000.00	1,000,000.00	9,000,000.00

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32	DA-0177	Philippine Fiber Industry Development Authority - Philippine Fiber Industry Regulation Services	DA	PhilFIDA	Chapter 8	Implementation of fiber regulatory standards and licensing of fiber trader. This program includes the following component: i. Quality Control and Inspection (with total cost from 2017-2022 of PHP 225,210,467.87); and ii. Registration and Licensing (with total cost from 2017-2022 of PHP 87,734,026.86).	Nationwide		LFP	2017	2022	50,566,000.00	49,797,000.00	51,577,320.00	52,608,866.40	53,661,043.73	54,734,264.60	312,944,494.73
33	DA-0180	National Halal Agri-Fishery Program	DA		Chapter 8	The Department of Agriculture is one of the core National Government Agencies in Halal Industry Development Program as stipulated on the Republic Act 10817 'Philippine Halal Export Development and Promotion Act'.	Nationwide		LFP	2018	2022	-	44,630,000.00	-	-	-	-	44,630,000.00
34	DA-0039	BSWM- Strengthening and Mainstreaming the Evaluation Mechanism on Land Use Reclassification for Sustainable Land Management	DA		Chapter 8	The project aims to come up with a national protocol consisting of standard manual of operations, data form templates and other technical requirements, to be used by the technical evaluators at both regional and national levels, in order to more efficiently deliver services required by the clientele .	Nationwide		LFP	2018	2022	-	4,156,000.00	3,347,000.00	3,347,000.00	2,000,000.00	2,000,000.00	14,850,000.00
35	DA-0029	National Corn Program	DA		Chapter 8	Corn Program consist of 6 components/activities: 1. Production Support Services (PSS); 2. Market Development Services (MDS); 3. Extension Support, Education and Training Support Services (ESETS); 4. Research and Development (R&D); 5. Irrigation Network Planning and Contract Management Services; and 6. Provision of Agricultural Equipment and Facilities (PAEF)	Interregional	CAR, Region I, Region II, Region III, Region IV, Region IVB, Region V, Region VI, Region VII, Region VIII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2022	2,824,854,000.00	3,507,903,000.00	3,718,377,180.00	3,941,479,810.80	4,177,968,599.45	4,428,646,715.41	22,599,229,305.66
36	DA-0021	National Livestock Program	DA		Chapter 8	The livestock program is a continuing programs of the department that would make food available and affordable; increase income of farmers & fisherfolks; increase resilience to climate change risks. Program objectives includes: increase production efficiency and productivity of livestock (meat, dairy & draft) and poultry(meat, egg & day old chicks); maintain disease free condition; increase export of livestock and poultry and their products; intensify support to research and development Components of the program include: i. Production Support Services (PSS); ii. Market Development Services (MDS); iii. Extension Support, Education and Training Support Services (ESETS); iv. Research and Development (R&D); and v. Provision of Agricultural Equipment and Facilities (PAEF).	Interregional	CAR, Region I, Region II, Region III, Region IV, Region IVB, Region V, Region VI, Region VII, Region VIII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2022	1,598,935,300.00	8,579,357,400.00	2,577,836,438.00	2,071,486,033.48	1,859,171,361.84	1,099,858,690.58	17,786,645,223.90
37	DAR-0002	Sustainable and Resilient Communities Development Project (SURE Communities)	DAR		Chapter 8	SURE Communities Project is envisioned to transform forty (40) targeted Agrarian Reform Community Clusters (ARCC), located nationwide, into sustainable and resilient communities with the ability to assess, manage and monitor its risks and be able to learn innovative skills and build on past experiences and lessons learned. Specifically, SURE Communities would have the following outcomes: 1) Increased Income and Production - The economic viability, increased in income and productivity, of smallholder farmers/ARBs farm business; 2) Improved Access to Climate Resilient Infrastructure and Services; 3) Food and Water Secured ARC Clusters; 4) Reduced Vulnerability; and 5) Strong and Viable FOCs with inclusive community network.	Interregional	CAR, Region I, Region II, Region III, Region IV, Region IVB, Region V, Region VI, Region X, Region XI, Region XII, Region XIII	ODA-JICA	2018	2023	-	-	1,300,000,000.00	2,600,000,000.00	3,600,000,000.00	3,600,000,000.00	11,100,000,000.00
38	DAR-0003	Inclusive Partnerships for Agricultural Competitiveness (IPAC) Project	DAR		Chapter 8	The project aims to enhance access to market and competitiveness of ARBs, smallholder farmers and landless farm workers and their organizations through the implementation of the following inter-related components: a) Support Services for Enhanced Market Linkages b) Investments in Productive Partnerships c) Project Management, Monitoring and Evaluation	Interregional	CAR, Region I, Region II, Region III, Region IV, Region IVB, Region V, Region VI, Region VII, Region VIII, Region X, Region XI, Region XII, ARMM	ODA-WB	2018	2022	-	425,397,290.00	2,940,924,420.00	2,990,271,490.00	2,995,918,380.00	801,880,050.00	10,154,391,630.00

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39	DAR-0007	Smallholder Agri-Enterprise Competitiveness and Social Protection	DAR		Chapter 8	The proposed project is aligned to the essential mandate of DAR in land tenure improvement (LTI) and CARP beneficiary development. It will pursue the achievements of ARCP II and scale up the collaborative undertakings among development partners in sustainable rural communities. Its design will be propelled by DAR's Operational Plan and priority focus in: (i) productivity improvement, reducing post-harvest losses, enhancing the food value chain and increasing farm income; (ii) expanding market connectivity and linkages through assistance in agribusiness development, ICT system and rural infrastructure; (iii) food safety, quality and nutrition as essential social protection measures; and (iv) climate resilience and management of natural resources. The innovative feature of this project is the integration and complementation of social protection and safety nets benefits that aims at broader social and economic development by reducing poverty and inequality and it will be designed in support of the WFP's development objectives laid in its strategic plans.	Interregional	CAR, Region V, Region VII, Region VIII, Region XVIII, Region IX, Region X, Region XII, Region XIII, ARMM	ODA-ADB, ODA-WFP	2018	2022	-	281,278,360.00	2,311,256,317.00	2,353,840,966.00	2,400,810,364.00	652,813,993.00	8,000,000,000.00
40	DA-0133	Production of Tropical Dairy Cattle for the Local Dairy Industry through the Genetic Improvement Program	DA	NDA	Chapter 8	Establish local sources of dairy animals that will provide for a more sustainable supply that will accelerate the increase of the local dairy population together with dairy animal importation. NDA's current upgrading program which taps the native animals to produce the dairy breeds is limited in coverage and needs effective mechanisms that must be in-placed to secure the dairy offspring/calves and raise them to become good performing dairy animals in terms of milk production and animal reproduction. However, upgrading the local or native animal requires a longer period of time to produce the upgraded dairy animals. Another viable approach in accelerating the increase of dairy herd is through the genetic improvement of the local dairy cattle. With the introduction of this method, not only will dairy population be expanded but major advancements in the output, cost and quality of the animal products are anticipated.	Interregional	CAR, Region I, Region II, Region III, Region IVA, Region IVB, Region V, Region VI, Region VII, Region VIII, Region XVIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2018	2022	-	977,823,179.44	995,108,425.24	1,853,348,275.24	2,021,239,197.52	1,963,172,347.52	7,810,691,424.96
41	DA-0132	Rural Dairy Industry Development	DA	NDA	Chapter 8	The project which will involve dairy herd build-up and establishment of milk processing centers. Through these herd build-up strategies, the existing underutilized government stock farms will be able to house more dairy animals. Also, more stock farms will be established to accommodate more dairy animals. Latest technology in animal breeding and milk collection will be made available in these farms/centers. The project moves along the programs of rural industrialization and industry dispersal as provided for in Republic Act 8435, also known as the Agriculture and Fisheries Modernization Act (AFMA). The establishment of milk processing centers and engagement in dairy farming will give opportunities for employment to residents in rural areas near the centers and farms and will reduce propensity to migrate to urban areas.	Interregional	Region IVA, Region V, Region VI, Region VII, Region X, Region XI	LFP	2016	2026	562,086,666.67	2,469,050,347.52	562,086,666.67	518,897,420.22	518,897,420.22	518,897,420.22	5,149,915,941.52
42	DAR-0001	Climate Resilient Integrated Development Project in Agrarian Reform Community (ARC) Clusters	DAR		Chapter 8	The overall goal of the project is to build the climate resiliency of the nine (9) selected ARC Clusters and six (6) ARCs located in the Bicol River Basin, Ilog-Hilabangan River Basin, and Davao River Basin and reduce poverty in eight provinces covered in regions V, X, XI, and the Negros Island Region (NIR). The project has four (4) components: Component 1: Sustainable Agricultural and Rural Enterprise Development Component 2: Community-Based Sustainable Management of Natural Resources Component 3: Investment in Climate Resilient Rural Infrastructure Component 4: Cross Sectoral Response to Climate Risk and Institutional Capabilities	Interregional	Region V, Region XVIII, Region X, Region XI	Others	2019	2024	-	-	500,000,000.00	1,000,000,000.00	1,250,000,000.00	1,250,000,000.00	4,000,000,000.00
43	PCA-0011	PCA Information Systems Strategic Project	CABSEC	PCA	Chapter 8	The project aims to keep the PCA abreast with the advancement in the agricultural, industrial, and ICT sector thru facilitating communication and information exchange in PCA and likewise provide information and other online services to PCA and its clientele.	Nationwide		LFP	2018	2020	-	7,974,101.00	8,725,601.00	1,727,601.00	-	-	18,427,303.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
44	DAR-0004	Mindanao Sustainable Agrarian and Agriculture Development Project (MinSAAD)	DAR		Chapter 8	This development project is envisioned to contribute in the alleviation of poverty, developing agribusiness, generating employment, promoting peace and order and improves quality of life of the target beneficiaries and their communities in the 12 settlements in Mindanao. It aims to increase household income by enabling the ARBs, farmer and their organization to engage in more profitable income-generating activities on a sustainable basis thru the provision of agricultural and agribusiness development support, rural infrastructure and capacity development in the target settlement areas.	Interregional	Region X, Region XI, Region XII	ODA-JICA	2012	2019	1,182,650,000.00	1,180,588,000.00	-	-	-	-	2,363,238,000.00
45	ITDI-0007	National Research and Testing Laboratory for GM Products	DOST	ITDI	Chapter 8	The Laboratory for Genetically Modified (GM) Products will address the needs of local industries on Genetically Modified Organism (GMO) regulations, testing, proper labelling and certifications. It will aid in building capacity of local researchers to perform top-of-the-line researches on GMO.	Region-Specific	NCR	TBD	2018	2020	-	75,100,000.00	45,100,000.00	34,800,000.00	-	-	155,000,000.00
46	LBP-0001	Harnessing Agribusiness Opportunities through Robust and Vibrant Entrepreneurship Supportive of Peaceful Transformation (HARVEST)	LBP		Chapter 8	HARVEST shall be used to finance eligible investments of Agribusiness Corporations, Cooperatives (Farmers/ Producers' Organization), and MSMEs in support of crop production, poultry/livestock production, fish production/fishery development, and agri-services supportive of economic activity (i.e., slaughterhouse, cold storage, etc.)	Region-Specific	ARMM	ODA-JICA	2017	2021	22,000,000.00	286,000,000.00	814,000,000.00	704,000,000.00	374,000,000.00	-	2,200,000,000.00
47	DA-0144	Sugarcane Farm Mechanization Project	DA	SRA	Chapter 8	The Farm Mechanization Program aims to provide farm machineries, equipment and implements to small sugarcane farmers nationwide.	Interregional	Region II, Region III, Region IV, Region V, Region VI, Region VII, Region VIII, Region VIII, Region X, Region XI, ARMM	ODA-China	2018	2022	-	700,000,000.00	700,000,000.00	700,000,000.00	700,000,000.00	700,000,000.00	3,500,000,000.00
48	DA-0116	BSWM - Nationwide Land Use/ Vegetation Database Using Remote Sensing and GIS Technology in Support for Agricultural Decision	DA		Chapter 8	To generate the land-use vegetation database of the Philippines in support to agricultural decision-support system for land use planning and implementation of policies on land resource use and crop zoning.	Nationwide		TBD	2018	2020	-	20,000,000.00	5,000,000.00	-	-	-	25,000,000.00
49	DA-0058	Nationwide Fish Ports Project (Package III)	DA	PFDA	Chapter 8	Rehabilitation / improvement of existing post-harvest facilities and identification of new facilities for construction in the following fish ports: a. Iloilo Fish Port Complex (IFPC) b. Lucena Fish Port Complex (LFPC) c. Davao Fish Port Complex (DFPC) d. Camaligan Fish Port (CFP) e. Sual Fish Port (SFP)	Interregional	Region I, Region IV, Region V, Region VI, Region XI	LFP	2018	2020	-	3,353,440,383.41	-	-	-	-	3,353,440,383.41
50	DA-0172	Market-Driven Quality Tobacco Production	DA	NTA	Chapter 8	A continuing and top priority program of the Agency, the IFOIGAP-TCGS in line with Medium Term Development Plan (MTDP) of the government geared's toward increased utilization, increased yield and improved quality leaf production and increased income capacities of tobacco farmers. It promotes a market-oriented approach of production by involving the tobacco buyer firms, local government units, government financial institutions in the provision of credit/production assistance to tobacco farmer-cooperators. Its activities are: a. Tobacco Contract Growing System (TCGS); b. Integrated Farming and Other Income Generating Activities Projects (IFOIGAP); c. irrigation Support Project for Small Tobacco Farmers (ISPSTF); d. Curing Barn Assistance Project (CBAP); and e. Tobacco Seed and Seedling Production and Distribution	Interregional	CAR, Region I, Region II	LFP	2017	2022	344,054,000.00	529,549,000.00	520,000,000.00	520,000,000.00	520,000,000.00	520,000,000.00	2,953,603,000.00
51	DA-0101	Fish Port and Post-Harvest Development Program	DA	PFDA	Chapter 8	Provision of fishery post-harvest and other infrastructure facilities	Interregional	NCR, Region I, Region II, Region III, Region IV, Region IVB, Region V, Region VI, Region VII, Region VIII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2020	787,715,212.63	880,000,000.00	445,000,000.00	450,000,000.00	205,150,000.00	149,790,000.00	2,917,655,212.63

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)							
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)	
52	DAR-0008	Italian Assistance to the Agrarian Reform Community Development Support Program (IARCDSP)	DAR		Chapter 8	The Project aims to address the following areas of concern in the project areas: i) lack of access to rural infra; ii) poor access to basic social services, iii) low agricultural production, iv) institutional/organizational problems of POs, particularly in the ARCs, v) social problems, and vi) environmental concerns. It has four inter-related components: a. Agricultural and enterprise development (AED); b. Local capacity building and strengthening (LCBS); c. Community infrastructure development support (CIDS); d. Program management.	Interregional	Region XII, ARMM	ODA-Italy	2013	2018	1,030,575,000.00	219,742,000.00	-	-	-	-	1,250,317,000.00	
53	DAR-0009	Convergence on Value-Chain Enhancement for Rural Growth and Empowerment (ConVERGE)	DAR		Chapter 8	The Project ConVERGE aims to help reduce poverty in 11 ARC Clusters in 10 provinces in Regions IX, X, and CARAGA . It aims to enable ARBs and other smallholder farmers to become competitive by helping them develop or expand sustainable livelihood or agribusiness based on key commodities that are deemed competitive in the areas such as muscovado, coco sugar, abaca, rubber rice, coffee, and coconets. It covers 300,512 ARBs and other smallholder farmers. The Project has four (4) components namely, a) Participatory Value-Chain Analysis and Planning to Link Smallholder Farmers to Existing Value Chain Systems, b) Integrated Smallholder Agricultural and Rural Enterprise Development, (I-SHARED), c) Subdivision of Collective CLOAs, and Facilitation of Land Transfer Program, and d) Project Management, Monitoring and Evaluation and Knowledge Management. -Integrated smallholders' agricultural and rural enterprise development; -Project management, monitoring and evaluation (M&E) and knowledge management (KM).	Interregional	Region IX, Region X, Region XIII	ODA-IFAD	2016	2021	275,130,000.00	403,798,000.00	415,642,000.00	213,009,000.00	7,625,000.00	-	-	1,315,204,000.00
54	DA-0100	Bureau of Plant Industry - Introduction of Smart Farm as a Pilot Project and Capacity Building Project	DA		Chapter 8	The proposed project is a grant that shall introduce Korean Smart Farm Greenhouses which aims to provide possible solution to the country's climate change concern being experienced by highland vegetable growers.	Region-Specific	CAR	ODA-Korea	2018	2021	-	17,625,000.00	17,625,000.00	17,625,000.00	17,625,000.00	-	70,500,000.00	
55	DA-0033	Fisheries, Coastal Resource and Livelihood (FishCoRal) Project	DA	BFAR	Chapter 8	The project will address key issues that contribute to the high incidence of poverty among fishermen through the adoption of sustainable management of fishery and coastal resources in fishing communities and promote the engagement of fisherfolk in diversified livelihood activities to augment and diversify sources of income among fishing households in target communities.	Interregional	Region V, Region VIII, Region XIII, ARMM	ODA-IFAD	2016	2020	532,559,000.00	441,080,000.00	403,896,000.00	132,983,000.00	-	-	1,510,518,000.00	
56	DA-0037	Sugar Regulatory Administration - Socialized Credit Program	DA	SRA	Chapter 8	Credit program for the sugarcane farmers for the acquisition of production inputs, farm machineries and implements necessary for the continuous production of sugarcane	Interregional	Region II, Region III, Region IV, Region V, Region VI, Region VII, Region VIII, Region VIII, Region X, Region XI, Region XII	LFP	2017	2022	300,000,000.00	300,000,000.00	300,000,000.00	300,000,000.00	300,000,000.00	300,000,000.00	1,800,000,000.00	
57	DA-0046	Block Farm Program	DA	SRA	Chapter 8	Consolidation of small farms, including farms of agrarian reform beneficiaries, as one larger farm with a minimum area of thirty hectares within a two-kilometer radius in order to take advantage of the economies of scale	Interregional	Region II, Region III, Region IV, Region V, Region VI, Region VII, Region VIII, Region VIII, Region X, Region XI, Region XII	LFP	2017	2022	300,000,000.00	300,000,000.00	300,000,000.00	300,000,000.00	300,000,000.00	300,000,000.00	1,800,000,000.00	
58	DA-0121	PhilMech - Establishment of the Center for Agri-Fisheries Mechanization Engineering Resource Network (Center for AFMechERN)	DA		Chapter 8	The AFMechERN Center will become a national premier repository of mechanization-related data and information that can be accessed by stakeholders either physically or via the world wide web.	Region-Specific	Region III	LFP	2019	2022	-	-	41,050,000.00	24,560,000.00	23,980,000.00	24,270,000.00	113,860,000.00	

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PhP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
59	DA-0077	RFOX-A Rural Development Project for MIC Zone in the Philippines (RDPMZP)	DA		Chapter 8	The project aims to contribute to increase household income and improve socio-economic condition in the area. Specifically, the project shall provide agricultural and social infrastructure, improve access to production technologies, and enhance the social capacity of the community by utilizing the Korean experience on rural development and agriculture technology transfer. Major Components: a. Construction of Rural Infrastructure; a.1 Construction of farm-to-market roads, road crossing and small bridge. a.2 Construction of Solar and Mechanical Dryer. a.3 Construction of Multi-Purpose Covered Court. a.4 Provision of Small-Scale Water Supply, b. Promotion of Korean Technology on Protected Cultivation through the Greenhouse Technology; and c. Capacity building activities in the form of local and international training as well as dispatch of experts shall be provided under the project.	Region-Specific	Region X	ODA-Korea	2018	2018	-	119,189,210.00	-	-	-	-	119,189,210.00
60	DA-0044	Sugar Regulatory Administration - Research and Development Program	DA	SRA	Chapter 8	Strengthening RDE programs for improved productivity	Interregional	Region II, Region III, Region IV, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII	LFP	2017	2022	243,410,000.00	300,000,000.00	300,000,000.00	300,000,000.00	300,000,000.00	300,000,000.00	1,743,410,000.00
61	DA-0122	Provision of production related support services to clients	DA	PCC	Chapter 8	This aims to provide production related services to clients in order to create a herd base of genetically improved calves	Interregional	Region I, Region II, Region III, Region IV, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII	LFP	2017	2022	221,827,000.00	244,009,700.00	268,410,670.00	295,251,737.00	324,776,910.70	357,254,601.77	1,711,530,619.47
62	DA-0034	Integrated Marine Environment Monitoring System-Phase 2 (PHILO Project Phase 2)	DA	BFAR	Chapter 8	This project will serve as the Phase 2 of the Phase 1 implementation of BFAR's Vessel Monitoring System (VMS) and integration of various databases including fishing vessel registry, ocean and weather data, stock assessment data, IUUF records and other regulatory information. The PHILO project is dedicated to set up an integrated operational fisheries and marine environment monitoring center in the Philippines. Through this project, BFAR will be able to monitor fishing vessels and combat illegal fisheries in order to protect the maritime resource in a sustainable way, support the national fishing industry, and promote seafood products for export.	Interregional	NCR, Region I, Region II, Region III, Region IV, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	ODA-France	2016	2019	613,813,080.00	289,032,600.00	252,156,460.00	-	-	-	1,155,002,140.00
63	DA-0115	Drive-thru Facility Inspection Facilities in all International Ports of Entry	DA		Chapter 8	These facilities are to be used as inspection areas for all imported agricultural products, especially for imported meat and meat products.	Interregional	NCR, Region IV, Region VII, Region XI, Region XII	TBD	2018	2022	-	240,000,000.00	240,000,000.00	240,000,000.00	240,000,000.00	240,000,000.00	1,200,000,000.00
64	PCA-0001	Coconut Fertilization Project (CFP)	CABSEC	PCA	Chapter 8	This is a quick turn-around approach to increase coconut productivity by using cost-effective and environment-friendly fertilizers.	Nationwide		LFP	2014	2022	140,337,000.00	348,500,000.00	365,000,000.00	365,000,000.00	365,000,000.00	365,000,000.00	1,948,837,000.00
65	PCA-0002	Coconut Planting and Replanting Program (CPRP)	CABSEC	PCA	Chapter 8	The project promotes coconut planting in open and suitable areas and replanting of senile and unproductive coconut trees and those damaged by natural calamities using farmers' preferred variety sourced within the locality.	Nationwide		LFP	2014	2022	400,550,000.00	1,263,125,000.00	1,263,781,250.00	1,264,470,312.50	1,265,193,828.13	1,265,953,519.53	6,723,073,910.16
66	PCA-0003	Coconut Enterprise Development Program - Coconut Intercropping & Livestock Integration Project	CABSEC	PCA	Chapter 8	CIP involves intercropping of annual, biennial and perennial crops in coconut lands to maximize the land efficiency. This also includes livestock raising under coconut.	Nationwide		LFP	2014	2022	200,000,000.00	645,265,000.00	683,340,000.00	683,340,000.00	683,340,000.00	683,340,000.00	3,578,625,000.00
67	PCA-0004	Coconut Enterprise Development Program - Community/Household-level Coconut Processing Project (CHLCP)	CABSEC	PCA	Chapter 8	CHLCP aims to promote coconut-based enterprises in the different COED sites geared towards increased productivity and income and job generation. It also aims to foster the entrepreneurial skills of the community or household members of the community.	Nationwide		LFP	2014	2022	160,000,000.00	131,170,000.00	108,850,000.00	110,100,001.00	110,100,002.00	110,100,003.00	730,320,006.00
68	PCA-0005	Coconut Enterprise Development Program - Agro-Industrial Hub Development Project	CABSEC	PCA	Chapter 8	The project is the attempt of PCA to pursue agri-industrial strategy with the end-view of addressing problems and challenges faced by the coconut farming sector such as lack of infrastructure, inadequacy of capital, lack of entrepreneurial environment and the absence of proper policy framework that causes low productivity and high poverty incidence in coconut farming communities.	Nationwide		LFP	2014	2020	210,885,000.00	493,500,000.00	458,500,000.00	572,500,000.00	-	-	1,735,385,000.00
69	PCA-0006	Commercial Manufacturing of Coir-based Composites for Housing Materials: Coir-Cement Boards and Hollow Boards	CABSEC	PCA	Chapter 8	Aims to develop a technically sound and financially viable venture in coconut fiber processing through the commercial production of coconut fiber composites for housing and packaging materials with high marketability.	Region-Specific	Region IX	LFP	2018	2022	-	6,000,000.00	3,600,000.00	3,600,000.00	3,600,000.00	3,600,000.00	20,400,000.00
70	PCA-0007	National Coconut Hybridization Program	CABSEC	PCA	Chapter 8	Produced PCA's recommended hybrids including newly developed hybrids with special traits for high value products	Nationwide		LFP	2017	2022	-	10,000,000.00	11,000,000.00	11,000,000.00	11,000,000.00	11,000,000.00	54,000,000.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

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			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
71	PCA-0008	Seed Farm Development Program	CABSEC	PCA	Chapter 8	The main purpose of the program is to increase the long-term capability of the PCA to mass-produce and distribute high yielding coconuts varieties for an accelerated and focused planting and replanting program. Quality seeds means quality yields. The program will also include partnership with public and private entities to establish local seed farms nationwide. This project is crucial for the development of the coconut industry. The project will be one of the foundation of a quality planting program in the country. It will also be the medium for common farmers to benefit from the researches in hybrid varieties of coconut.	Nationwide		LFP	2018	2022	-	45,870,000.00	29,885,000.00	37,057,000.00	23,000,000.00	26,000,000.00	161,812,000.00
72	PCA-0009	Development of PCA Ubay Seedgarden	CABSEC	PCA	Chapter 8	To transform Seedgarden as Coconut Based Agri-Eco Tourism Park engaged in the production of quality planting materials and showcasing coconut based productivity and processing technologies. With endorsement of PDC Bohol and yet to be endorsed by RDC Region VII.	Region-Specific	Region VII	LFP	2018	2022	-	20,000,000.00	-	-	-	-	20,000,000.00
73	PCAARRD-0020	Pinoy S&T Services for Farmers and Entrepreneurs (PSF) Program	DOST	PCAARRD	Chapter 8	To rehabilitate and increase the production of <i>Holothuria scabra</i> in La Union through the adoption of sea ranching technology for sea cucumber. Specific: 1. To adopt sea ranching technology for <i>Holothuria scabra</i> through the STCBF program; 2. To develop farmer's skills in sea ranching of sea cucumber; 3. To enhance active participation of the community, LGUs, and other cooperating agencies in promoting the application of <i>H. scabra</i> sea ranching technology; 4. To adopt sea ranching technology of sea cucumber as alternative source of livelihood for the community; and 5. To facilitate policy and legal support from LGU for the production of sea cucumber through sea ranching. Includes the Community Based Farm on Sea Cucumber Production in La Union project	Region-Specific	Region I	LFP	2015	2018	1,287,980.00	-	-	-	-	-	1,287,980.00
74	PCAARRD-0022	National Mussel S&T Program - PROGRAM B. IMPROVED GROW-OUT TECHNOLOGY FOR SUSTAINABLE MUSSEL INDUSTRY	DOST	PCAARRD	Chapter 8	To develop a model on mussel site selection for new expansion area Includes the following projects: 1) Causes and management of mass mortality in the culture of green mussel, <i>Perna viridis</i> , old. (Mussel Die-off Syndrome in Aklan: Cause, Effect and Management); 2) Modeling for site selection for expansion to new culture area (old title); and 3) Production of safe mussels using environment-friendly culture methods in sites near urban areas old (Pilot-testing of Mussel Grow-out Technology).	Region-Specific	Region II	LFP	2015	2018	2,937,723.00	-	-	-	-	-	2,937,723.00
75	PCAARRD-0024	Advancement of Science for the Sustainable Utilization and Conservation of Forest Genetic Resources of <i>falcata</i> and <i>yemane</i>	DOST	PCAARRD	Chapter 8	The project was conceptualized and formulated in line with PCAARRD's Industry Strategic Plan (ISP) for Industrial Tree Plantation to build the level of understanding and techniques on the best use of available genetic base of key plantations species, <i>falcata</i> (<i>Paraserianthes falcata</i> (L.) Nielsen), and <i>yemane</i> (<i>Gmelina arborea</i> Roxb), in order to achieve a 30% increase in yield from plantations from the current 2013 yield level which is approximately 60 cu m ha-1. Specifically, it aims to (a) field test genetic materials from available plantations of <i>falcata</i> and <i>yemane</i> , (b) determine the genetic characteristics of field-tested materials of <i>falcata</i> and <i>yemane</i> ; (c) deploy the first generation breeding populations of <i>falcata</i> and <i>yemane</i> in strategic areas for tree plantation development in the Philippines, and (d) train a network of R&D technical officers that will lead and/or support the long-term tree genetics R&D and breeding programs.	Region-Specific	Region X	LFP	2014	2017	5,519,241.00	-	-	-	-	-	5,519,241.00
76	PCAARRD-0025	Alternative Crop Shelter Design for High-Value Crops (Broccoli, Lettuce, Strawberry) Production in the Highlands	DOST	PCAARRD	Chapter 8	Assess crop shelter design for improved durability and functionality suitable for specific highland crops and conditions; monitor temperature & humidity variations inside and outside the crop shelters over the growing seasons; evaluate the effect of shading on crop water requirements; evaluate the performance of HVCs under diff. surface covering mats. in protected environment; pilot test developed prototype under actual field conditions.	Region-Specific	CAR	LFP	2015	2017	568,602.00	-	-	-	-	-	568,602.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)							
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)	
77	PCAARRD-0026	Genomic applications in Mud Crab Aquaculture and Resource Management	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Developing Genomic Resources for Stock Delineation and Sustainable Development of mud crabs; and 2) Integrating Genomics with Image Analysis and Geographic Information System Technology (GIS) for Improved Rearing of Mud Crabs The first project aims to employ genomic resources to generate information and technologies towards the sustainable development of capture-and culture-based production of mudcrab species occurring in the Philippines: <i>S. serrata</i> , <i>S. olivacea</i> , and <i>S. tranquebarica</i> . To develop genomic resources based on SNP markers for <i>S. serrata</i> , <i>S. olivacea</i> , and <i>S. tranquebarica</i> to facilitate studies of genetic stock delineation of natural populations across the Philippine archipelago. To identify management units for <i>S. serrata</i> , <i>S. olivacea</i> and <i>S. tranquebarica</i> in selected marine biogeographic regions, with a focus on areas with existing and emerging mud crab hatcheries. The second project's main objective is to use genomics and genetics approaches integrated with more recent computing technologies, geographic information systems (GIS) and image analysis research to deliver solutions for some practical mud crab production issues.	Region-Specific	NCR	LFP	2015	2018	9,843,308.00	4,884,317.00	-	-	-	-	-	14,727,625.00
78	PCAARRD-0027	Adoption of Refined Commercial Scale Mud Crab Hatchery/Nursery System in Alaminos City, Pangasinan	DOST	PCAARRD	Chapter 8	Roll out of the technology on commercial mud crab hatchery/nursery system to produce and maintain a reliable supply of mud crab seed stock in Alaminos, Pangasinan and nearby provinces. Objectives: 1. Establish a model commercial mud crab hatchery/nursery system 2. Adapt the technology on improved commercial mud crab hatchery/nursery system 3. Capacitate the project team on mud crab commercial scale hatchery/nursery technology 4. Strengthen the academe and government partnership in the promotion, establishment and management of commercial scale I mud crab hatchery/nursery system 5. Produce 380,000 crablets for nursery and grow-out ponds per year 6. Publish and disseminate at least 500 copies of IEC materials on mud crab hatchery/nursery technology 7. Promote mud crab hatchery/nursery technology in coastal towns and city of Pangasinan	Region-Specific	Region I	LFP	2015	2017	960,939.00	-	-	-	-	-	-	960,939.00
79	PCAARRD-0028	Application of Genomic Information in Dairy Buffalo Breeding Program	DOST	PCAARRD	Chapter 8	Includes the Genotyping the Philippine Water Buffaloes Using Medium Density 90K Buffalo SNP panel project. The proposed R&D project aims to improve milk production efficiency and rate of genetic gain of the Philippine dairy buffaloes through the use of genomic information in breeding and selection	Region-Specific	Region III	LFP	2015	2018	2,875,633.50	-	-	-	-	-	2,875,633.50	
80	PCAARRD-0030	Assessing the Efficiency and Prospects of Tunnel Ventilation Technology for the Swine and Poultry Industry in the Philippines	DOST	PCAARRD	Chapter 8	The study aims to assess the efficiency and prospects of tunnel Ventilation technology for the swine and poultry industry in the Philippines 1. Determine the state-of-the-art of the tunnel Ventilation technology for the swine and poultry industry in the Philippines and abroad; 2. Document the extent of adoption of tunnel Ventilation technology for the swine and poultry industry in the Philippines; 3. Determine the effect of the technology in the technical performance and efficiency of swine and poultry production; 4. Assess the financial viability of the tunnel vent technology in swine and poultry production; 5. Estate the environmental benefits and costs associated with 6. Determine the prospects for a more widespread use of the technology in the Philippines	Region-Specific	Region IVA	LFP	2016	2017	2,175,881.00	-	-	-	-	-	-	2,175,881.00
81	PCAARRD-0032	Development of Decision Support System for Enhancing Climate Change Resiliency of Smallholder Upland Farmers in Selected Communities in CALABARZON, Philippines	DOST	PCAARRD	Chapter 8	To develop develop decision support system to enhance community resiliency to combat climate change	Region-Specific	Region IVA	LFP	2017	2019	2,531,602.40	1,149,308.80	1,299,308.80	-	-	-	4,980,220.00	

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)							
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)	
82	PCAARRD-0033	Enhancing Milk Production of Water Buffaloes through S&T Interventions	DOST	PCAARRD	Chapter 8	The program aims to increase the annual milk production of purebred dairy buffaloes (DF) in the NIZ (province of Nueva Ecija) from 500,000 kg to 2,000,000 kg and of crossbred buffaloes in San Agustin, Isabela from 17,000 g to 190,000 kg within the program implementation period. Moreover, the program aspires to develop a milk quality and safety assurance systems as well as technology transfer modality to promote utilization of new information and technology as part of the routine farm practices of dairy buffalo farmers in identified dairy development impact zones. The bottom line of these R&D initiatives is to improve productivity and efficiency of buffalo milk production and consequently increased income for dairy farmers.	Region-Specific	Region III	LFP	2016	2018	19,707,273.00	16,512,267.00	-	-	-	-	-	36,219,540.00
83	PCAARRD-0034	Establishment of S&T Model Farm on Free Range Darag Native Chicken in Dumarao, Capiz	DOST	PCAARRD	Chapter 8	General: To develop and showcase the package of technologies on free range Native chicken production. Specifically, the project aims: 1. To promote wider adoption of the full application of package of technologies to attain technology convergence of free range native chickens for the existing poultry raisers in the Province of Capiz; 2. To achieve increase farm production and profitability of free range native chicken-raisers respectively through the full adoption of POT on free range Native Chicken production; 3. To strengthen linkages/partnerships with farmer cooperators (from production to marketing); 4. To develop and produce IEC materials and video presentation of STMF on free range Native Chicken production POT. 5. To train poultry raisers in the 33 barangays of Dumarao, Capiz.	Region-Specific	Region VI	LFP	2016	2018	1,882,736.00	-	-	-	-	-	-	1,882,736.00
84	PCAARRD-0035	Mass Production and Release of the Parasitoid, Comperiella sp. Against Coconut Scale Insect, Aspidiotus rigidus	DOST	PCAARRD	Chapter 8	To mass produce efficiently the Comperiella sp. for inoculative release in the field particularly in the new areas of coconut scale invasion.	Region-Specific	NCR	LFP	2015	2017	917,467.12	-	-	-	-	-	-	917,467.12
85	PCAARRD-0036	National Aquafeeds R&D Program	DOST	PCAARRD	Chapter 8	Includes the Field Trial of Protein Enriched Copra Meal (PECM) as Feed Protein for Tilapia, Milkfish and Shrimp Aquaculture project	Region-Specific	Region VI	LFP	2016	2018	5,263,814.00	-	-	-	-	-	-	5,263,814.00
86	PCAARRD-0037	Farms and Industry Encounters through the Science and Technology Agenda (FIESTA)	DOST	PCAARRD	Chapter 8	The Regional-FIESTA is a multi-commodity/multi-technology experiential promotional strategy that combines activities such as exhibits, techno-fora, farmer's field day, cooking/art contest and other cultural festive activities merge with Science and Technology that aims to support PCAARRD's R&D Results Utilization banner program. Objectives: 1. Showcase regional AANR technologies and products to various audience, stakeholders, and publics through a mix of different communication and promotion strategies; 2. To match technologies to potential adopters; and 3. To utilize and monitor the R&D Results of various R&D programs and projects supported by DOST and PCAARRD	Nationwide		LFP	2017	2022	4,500,000.00	4,500,000.00	4,500,000.00	4,500,000.00	-	-	-	18,000,000.00
87	PCAARRD-0039	National Mudcrab S&T Program: Program A. Refinement of Mudcrab Hatchery Technology	DOST	PCAARRD	Chapter 8	Includes the Sustainable production of mudcrab through selective breeding projects. To develop selective breeding techniques for the genetic improvement of Mudcrab <i>S. serrata</i>	Region-Specific	NCR	LFP	2016	2018	2,891,325.00	1,481,482.00	-	-	-	-	-	4,372,807.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

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			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
88	PCAARRD-0040	Nationwide Clonal Adaptation Trial and Innovation of Propagation Techniques of Newly Introduced High-Yielding and Promising Rubber Clones	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Technology Adaptation and Performance Trial of Recommended Rubber and Other Promising Rubber Clones in the Philippines; 2) Innovation of Root Trainer Technique and Precision Grafting Technology for Rapid Propagation of Quality Planting Materials of Rubber; and 3) Development of Efficient Techniques on Tissue Culture, Somatic Embryogenesis and In-Vivo for Rapid Propagation in Rubber. Proj 1. The general objective is to enhance production of rubber through adoption of suitable rubber clones in the Philippines. Proj 2. The general objective of this research is to develop and/or evaluate the applicability of new and innovative techniques in the production of quality and low cost planting materials of rubber. Proj 3. The use of rubber plants derived from somatic embryogenesis and other tissue culture techniques offer good promise because plants developed from this method will eliminate the problem of stock and scion incompatibility.	Region-Specific	Region IX	LFP	2015	2018	9,901,968.00	-	-	-	-	-	9,901,968.00
89	PCAARRD-0041	NATIONAL AQUAFEEDS R&D PROGRAM PROGRAM D. IMPROVEMENT OF MICROALGAE PASTE PRODUCTION FOR AQUACULTURE	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Pilot-testing of microalgae paste as feed for shrimp and milkfish hatcheries and 2) Development of packaging and storage systems for microalgae paste. General Objective: To determine the feasibility and viability of using microalgae paste as larval feed in milkfish and shrimp hatcheries. Specific Objectives : 1. To complete the larval rearing production cycles for milkfish and shrimp using the UPV microalgae paste as feed. 2. To determine the growth and survival of shrimp and milkfish larvae in hatcheries using microalgae paste. 3. To compare the nutritional impact of using the microalgae paste in shrimp and milkfish larvae against the conventional hatchery protocol. 4. To compare the operating cost of hatcheries utilizing the microalgae paste against the conventional hatchery using internally grown microalgae. 5. To compare the cost benefit of conventional hatchery with the full complement of natural food tank against a hatchery with reduced or no algal tanks. 6. To come up with a new protocol using algal paste in milkfish and shrimp hatcheries.	Region-Specific	Region VI	LFP	2016	2018	3,414,284.00	-	-	-	-	-	3,414,284.00
90	PCAARRD-0042	Pilot Testing and Production of Microbial Consortia Based Stimulants for Improved Productivity of Bittergourd and Bell Pepper	DOST	PCAARRD	Chapter 8	To produce and pilot test two microbial-based stimulants for increase productivity of bell pepper and bittergourd	Region-Specific	Region IVA	LFP	2017	2018	2,403,600.00	1,932,000.00	-	-	-	4,335,600.00	
91	PCAARRD-0043	Pilot Testing of Impeller-Type Compact Rice Mill in Selected Rice Growing Regions	DOST	PCAARRD	Chapter 8	The prototype impeller-type rice mill would be subjected to different field conditions and modified accordingly. The project aims to evaluate the socio-economic and technical viability and acceptability of the pilot-commercial unit to prospect end-users. Specifically, the project aims to: determine the specific operational and management requirements to safely and profitably utilize the developed rice mill technology; identify various socio-economic factors that enhance/hinder the utilization of the developed rice mill technology; and, determine the economic implications in the use and adoption of the technology.	Region-Specific	Region III	LFP	2016	2017	954,211.00	-	-	-	-	-	954,211.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PhP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
92	DA-0175	National Dairy Authority - Dairy Herd Build-Up Program	DA	NDA	Chapter 8	<p>The main concern of this program is to ensure the increase in both local dairy stocks and local milk production. Increase in local dairy stocks can be realized through the procurement of dairy animals and the production of local dairy animals.</p> <p>Procurement of dairy animals can be through importation and purchase of local born dairy animals. Infusion of dairy animals via importation includes activities such as supervision of animal importation and animal distribution to identified recipients. Island born dairy animals up for sale by dairy farmers without loan obligation to NDA are bought-back and distributed to other farmers.</p> <p>Production of local dairy animals includes activities like breeding thru artificial insemination, upgrading of local animals into dairy breed and the application of technologies that will fast-track the production of dairy animals. Animal health and nutrition services are also provided to improve the productivity of the dairy animals. Credit facilities for the provision of farm production inputs are available to stakeholders.</p>	Interregional	CAR, Region I, Region II, Region III, Region IV, Region IVB, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2022	78,220,000.00	153,567,752.00	164,941,400.00	169,965,800.00	222,000,000.00	219,000,000.00	1,007,694,952.00
93	PCAARRD-0045	Pinoy S&T Services for Farmers and Entrepreneurs Program (PSF)	DOST	PCAARRD	Chapter 8	<p>The project aims to establish community-based forage production modules to ensure year-round supply of quality feeds for goats and support the raw materials needs of the Technomart project on pelletized feeds in Bongabon, Nueva Ecija. Specific:</p> <p>1. To promote wider adoption of science-based technologies on forage production for goat through the STCBF modality in Bongabon, Nueva Ecija; 2. To strengthen the capabilities of goat farmers on recommended technologies to produce forage for a 5-doe level (1.82t DM/year) goat module farm and 1.7t leaf meal/year as raw material for forage-based pellet production; and 3. To enhance active participation and empower the community particularly the LGU of Bongabon in promoting the establishment of 2ha forage modules as a goat-based enterprise capable of producing 54.68t DM/year to provide feed for a 50-doe level goat farm and raw materials for foragebased pellet production.</p>	Region-Specific	Region III	LFP	2014	2017	474,179.60	-	-	-	-	-	474,179.60
94	PCAARRD-0046	Plantation Management Strategies for Natural Stands and Newly Established Stands of Sago Palm in Visayas and Mindanao	DOST	PCAARRD	Chapter 8	<p>The project aims to conserve and expand productivity of sago palm plantation for flour/starch production. Specifically, it aims to: a) develop cultural management protocols for natural and newly established sago palm plantation; b) develop and manage 9 hectares of sago palm plantation (6 has. natural stands and 3 has. new plantation); c) train at least 30 sago palm growers/technicians; d) produce IEC material on sago palm plantation management and publish 1 scientific paper in a refereed journal; and e) develop policy recommendations for the sustainable management of sago plantations.</p>	Region-Specific	Region VIII	LFP	2016	2019	1,485,362.00	1,588,562.00	-	-	-	-	3,073,924.00
95	PCAARRD-0049	S&T Community Based Farm on Strengthening the Abaca Production Through Rehabilitation and Nursery Management in Sogod, Southern Leyte	DOST	PCAARRD	Chapter 8	<p>Abaca fiber is one of the major agricultural exports of the Philippines known as the Manila hemp. The plant is grown in most part of the Philippines with the key growing areas spread across Bicol, Eastern Visayas and Southern Mindanao regions. A major challenge faced by the abaca industry in Eastern Visayas is the low productivity brought about by the prevalence of disease particularly the abaca bunchy top virus (ABTV). Being one of the major crops in the region and as income-generating industry in the agriculture sector, there is a need to invest more in the abaca industry. 1. To improve farm productivity and increase the productivity and increase the production of quality fiber from the current 20kg/ha/yr to 1200 kg/ha/yr starting 2017 due to use of high yielding and virus-resistant hybrids (HYVs). 2. To showcase the S&T based farming of abaca through the establishment of 2 demonstrations and 4 nurse farms for HYVs abaca. 3. To provide common service facilities to the 4 identified barangays. 4. To build capabilities of beneficiaries through trainings. 5. To build and enhance active linkages with other NGAs, SUCs, LGUs, farmer groups, processors and market clients.</p>	Region-Specific	Region VIII	LFP	2014	2017	369,370.00	-	-	-	-	-	369,370.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
96	PCAARRD-0050	S&T Community-based Model Farm on Bamboo and Bamboo Woven Products: An Eco/Agri Tourism Theme Park in Maasin, Iloilo City	DOST	PCAARRD	Chapter 8	General objective: Showcase tourism-technology convergence through the demonstration of S&T-based technologies on increasing bamboo production in Maasin, Iloilo as an ecotourism destination; Specific Objectives: 1. Develop a model that would showcase S&T-based technologies in managing bamboo farm for increased and sustained production of bamboo poles as a special feature in Maasin, Iloilo as an ecotourism destination; 2. Promote wider adoption of science-based technologies on bamboo rehabilitation and plantation development; 3. Enhance active participation of local community members adjacent to Maasin, Iloilo, particularly farmers from the municipalities of Alimodian and Janiuay; 4. Identify the gender roles and responsibilities of men and women participating in the production of woven bamboo products in Maasin, Iloilo.	Region-Specific	Region VI	LFP	2015	2018	1,044,604.00	854,604.00	-	-	-	-	1,899,208.00
97	PCAARRD-0053	Science and Technology Community-based Farms (STCBF) on Improved Nursery Management, Budwood Garden Establishment, and Intercropping Schemes to Promote and Expand Rubber Farming in Cotabato Province	DOST	PCAARRD	Chapter 8	This project aims to showcase the recommended budwood garden and nursery management and intercropping schemes to improve the productivity and profitability of the rubber smallholders in selected pilot areas of Makilala and Kidapawan City in Cotabato province through the S&T Community-Based Farm (STCBF) approach.	Region-Specific	Region XII	LFP	2016	2020	1,071,660.00	337,600.00	275,600.00	275,600.00	-	-	1,960,460.00
98	PCAARRD-0054	Science and Technology Model Farm (STMF) on Mango Production in Pampanga	DOST	PCAARRD	Chapter 8	Showcases the economic advantages of applying the Package of Technology into a commercial scale mango farm. Objectives: 1) To promote wider adoption of the POT on mango through the STMF modality 2) To capacitate the farmer cooperators and adopters on improved crop management and practices on mango production 3) To establish collaboration and convergence of various stakeholders, LGUs, NGAs, and local organizations on extensive technology transfer initiatives and commercialization of the S&T interventions.	Region-Specific	Region III	LFP	2015	2017	40,000.00	-	-	-	-	-	40,000.00
99	PCAARRD-0056	Smarter Approaches to Reinvigorate Agriculture as an Industry (SARAI) in the Philippines (Phase II)	DOST	PCAARRD	Chapter 8	The project will expand the operation of SARAI to cover more crops, and to involve more partner institutions following its initial efforts. The crops to be added are the following: mango, sugarcane, tomato, eggplant, cucurbit, peanut, soy bean, mungbean, and cassava. In addition to its current activities, Project SARAI Phase 2 intends to incorporate the economic aspect to address the growing uncertainties of changing prices regarding sustainable agricultural crop production. The main objective of this program is to develop and implement science-based crops and cropping system technologies, protocols and long-term strategies geared towards maximizing crop yield and minimizing adverse environmental and climate impacts on the following crops: mango, sugarcane, tomato, eggplant, cucurbit, peanut, soy bean, mungbean, and cassava. The program will also continue the crop forecasting and monitoring for the first six priority crops.	Region-Specific	Region IVA	LFP	2017	2020	6,000,000.00	12,000,000.00	12,000,000.00	5,000,000.00	-	-	35,000,000.00
100	PCAARRD-0057	Optimization of the Production and Use of Formulated N, P, and K Nanofertilizers in Selected Agricultural Crops	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Optimization of the Production and Use of Formulated N, P, and K Nanofertilizers in Selected Agricultural Crops; 2) characterization of 'Carabao' and other Mango Varieties with Resistance to Fruit Fly and Anthracnose; 3) Development of Application Protocol and Field Verification of Formulated N, P, and K Nanofertilizers in Corn; 4) Development of Application Protocol and Field Verification of Formulated N, P, and K Nanofertilizers in Vegetables; 5) Development of Application Protocol and Field Verification of Formulated N, P, and K Nanofertilizers in Sugarcane; 6) Development of Application Protocol and Field Verification of Formulated N, P, and K Nanofertilizers in Coffee and Cacao; and 7) Development of Application Protocol and Field Verification of Formulated N, P, and K Nanofertilizers in Banana.	Nationwide		LFP	2017	2019	20,133,914.00	14,930,885.00	15,225,285.00	-	-	-	50,290,084.00
101	DA-0104	Research for Development - Conduct of researches with the PCC's thematic areas	DA	PCC	Chapter 8	Research being carried out at PCC covers wide disciplinary areas such as breeding and genetics, biotechnology, nutrition and forage/pasture, animal health, reproductive physiology, management, product development, socio-economics and policy.	Interregional	Region I, Region II, Region III, Region IV, Region IVB, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII	LFP	01-01-2017	12-31-2022	121,882,000.00	134,070,200.00	147,477,220.00	162,224,942.00	178,447,436.20	196,292,179.82	940,393,978.02

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
102	PCAARRD-0059	Organic Production of Quality Planting Materials of Selected Vegetables, Legumes, Herbs and Fruit Trees	DOST	PCAARRD	Chapter 8	The project aims to study the organic production of quality planting materials of selected vegetables, legumes, herbs and fruit trees.	Region-Specific	Region IVA	LFP	2017	2018	2,536,678.00	1,375,312.00	-	-	-	-	3,911,990.00
103	PCAARRD-0060	Pilot Testing and Utilization of Rapid Bioassay for Pesticide Residues (RBPR) System in the Philippines	DOST	PCAARRD	Chapter 8	The project aims to: 1) Adopt the RBPR technology for acetylcholinesterase and pyrethroid tests for pesticide residues; 2) Set up production areas of RBPR test kits for utilization and training of core analysts to be based on identified major trading posts; 3) Develop protocol for pesticide residue monitoring of vegetables for pre and post harvest monitoring for vegetables using RBPR; 4) Pilot test RBPR stations in strategic areas of vegetable trade in Metro Manila, Benguet, Laguna, and Quezon; 5) Establish the utilization of RBPR technology in monitoring the pesticide residue of vegetables in the Philippines for farmer growers; and 6. Promote the RBPR technology to appropriate regulatory bodies.	Nationwide		LFP	2015	2017	841,351.60	-	-	-	-	-	841,351.60
104	PCAARRD-0062	Pilot Testing of a Local Riding-Type Transplanter	DOST	PCAARRD	Chapter 8	The general objective is to conduct pilot testing and assess the acceptability of the local riding-type rice transplanter performance in rice farmer's fields. Its specific objectives are to: 1) assess the actual field performance of the local riding-type rice transplanter allowing the farmers to operate the commercial prototype; 2) Fine tune the commercial prototype based on the actual field performance, durability test results, and the preference of the farmers in terms of operation; 3) Determine the appropriate materials needed for reliable and quality unit; 4) To determine technical viability (machine performance), economic viability (benefit-cost) and social acceptability (machine operation and cost) of the prototype; and 5) To identify and accredit manufacturers for mass production.	Nationwide		LFP	2016	2018	1,079,321.00	1,810,000.00	-	-	-	-	2,889,321.00
105	DA-0102	Operation and maintenance of Integrated Laboratories	DA		Chapter 8	Strengthening of the Integrated Laboratories would mean improved services in terms of research, extension, regulations and market assistance.	Interregional	CAR, Region I, Region II, Region III, Region IV, Region IVB, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII	LFP	2018	2022	-	35,000,000.00	485,000,000.00	140,000,000.00	140,000,000.00	140,000,000.00	940,000,000.00
106	PCAARRD-0064	Pilot-testing of other Rice Mechanization technologies (FIR dryer) (proj. 2)	DOST	PCAARRD	Chapter 8	The project aims to pilot-test other Rice Mechanization technologies (FIR dryer).	Region-Specific	Region III	LFP	2017	2018	4,500,000.00	4,500,000.00	-	-	-	-	9,000,000.00
107	PCAARRD-0065	Piloting a Profitable and Sustainable Commercial Scale Zampen Native Chicken Breeding Operation	DOST	PCAARRD	Chapter 8	The project aims to evaluate the economic potentials and sustainability of commercial scale production of breeder Zampen native chickens. Specifically, the project aims to: 1) validate the breeding efficiency and production performance of breeder quality Zampen native chickens in larger scale at SRPPF and JHCSC; 2) establish and evaluate the economic viability of Zampen native chicken in commercial scale operations; and 3) enhance the capability of native chicken farmer cooperators, SRPPF employees and inmates and JHCSC animal science faculty in establishing a sustainable native chicken production units.	Region-Specific	Region IX	LFP	2016	2018	1,518,252.16	1,481,648.00	-	-	-	-	2,999,900.16
108	PCAARRD-0066	S&T Based Farm on the Use of Trichoderma Microbial Inoculant (TMI) for Increased Survival and Early Establishment of Tree Crops in Cacao-Coffee Agroforestry System for the Aytas (Magbukun Tribe) in Kanawan Negritos Reservation Area in Morong, Bataan (Old Title: Establishment of Species-based Cacao-Coffee Agroforestry System in Kanawan Negritos Rese	DOST	PCAARRD	Chapter 8	The general objective of the project is to integrate the use of compost and Trichoderma microbial inoculant (TMI) in Aytas agroforestry system to ensure higher survival rate and establishment of tree crops in reforestation site and in farm lots of Aytas families in Kanawan Negrito Reservation Area in Morong, Bataan, thereby presenting a long term livelihood option for the IPs as well as conserving and expanding the remaining forest in the reservation. Its specific objectives are: 1) To Improve the coffee, cacao and other tree seedlings' survival and establishment in the grassland site (10 ha) and increase Aytas farmers' annual crop yields (200 m2) with the use of TMI and Trichoderma-generated compost; 2) To engage the Aytas to plant coffee and cacao and maintain their tree crops in their family farm lots; and 3) To continue reforestation of brush land (10 ha) contiguous to the remaining forest patches in KNRA.	Region-Specific	Region III	LFP	2016	2018	662,808.80	662,808.80	-	-	-	-	1,325,617.60

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

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			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)	
109	PCAARRD-0068	S&T Community-based Farms (STCBF) for a Sustainable Cacao Production in Bukidnon	DOST	PCAARRD	Chapter 8	General objectives: This project aims to promote cacao HYV new plantations for a Climate Change-Primed and Sustainable Cacao Production in Bukidnon / Northern Mindanao through the Science and Technology Community-Based Farms (STCBF) approach. Specific Objectives: a) To establish one hectare organic cacao HYV bud-wood garden and nursery (accredited by BPI) in CMU, Bukidnon; b) To capacitate the rural people of Bukidnon in organic cacao HYV budwood garden and nursery operations and intercropping with annuals; c) To showcase and encourage wider adoption of organic HYV budwood garden and nursery and intercropping with annual crops for cacao; d) To enhance the active participation of and empower the community, particularly, the LGU/s and local organizations in promoting HYV budwood garden and nursery, intercropping with annuals, and water impounding for cacao production; and e) To identify and evaluate the norms, roles and responsibilities of men and women in the production of cacao.	Region-Specific	Region X	LFP	2016	2019	720,326.86	1,218,192.86	497,866.00	-	-	-	2,436,385.72	
110	PCAARRD-0069	S&T Community-based Farms (STCBF) on Promoting Rubber Plantations in the Province of Basilan, ARMM	DOST	PCAARRD	Chapter 8	The general objective of the project is to upscale the application of S&T interventions and expand the area for rubber through massive production of high quality planting materials, thereby, increasing productivity of rubber in Basilan Province.	Region-Specific	ARMM	LFP	2015	2017	1,995,060.00	-	-	-	-	-	1,995,060.00	
111	PCAARRD-0071	Socio-demographic profiling of the farming sector	DOST	PCAARRD	Chapter 8	The project aims to carry out socio-demographic profiling of the farming sector.	Nationwide		LFP	2017	2018	2,000,000.00	2,500,000.00	-	-	-	-	4,500,000.00	
112	PCAARRD-0073	STCBF for Sweetpotato Production in Central Luzon	DOST	PCAARRD	Chapter 8	The project aims to establish sweet potato production in Central Luzon.	Region-Specific	Region III	LFP	2017	2018	2,383,349.50	2,319,206.50	-	-	-	-	4,702,556.00	
113	PCAARRD-0074	Suitability assessment and database development for enhanced mussel culture management using geospatial technologies	DOST	PCAARRD	Chapter 8	The project will assess and analyze suitable areas for mussel culture in the Philippines using available geospatial technologies. Specifically, it will: 1) Identify potential sites (including non-traditional areas) for mussel culture based on established criteria; and 2. Develop database to identify suitable areas for mussel culture.	Region-Specific	NCR	LFP	2016	2017	1,129,842.00	-	-	-	-	-	1,129,842.00	
114	PCAARRD-0079	Technology Demonstration and Capacity Building for Lowland Vegetable Production	DOST	PCAARRD	Chapter 8	The project aims to demonstrate matured technologies on vegetable production through modalities in a year-round basis taking into consideration the principles of productivity, creativity, and profitability. Specific: 1) To establish demonstration areas for matured and packaged crop production technologies on tomato, eggplant, pole sitao, and bitter gourd; 2)To showcase NSIC-approved lowland and open-pollinated varieties of vegetables, use of biological control agents, botanicals, microbial inoculants, and other matured production technologies; and 3) To promote economically-viable vegetable production through trainings, field days, and distribution of IEC materials.	Region-Specific	Region IVA	LFP	2015	2018	1,119,966.00	-	-	-	-	-	1,119,966.00	
115	PCAARRD-0082	Use of Carrageenan Plant Food Supplement (PFS) for Selected Cool-Season Crops (lettuce, broccoli, cabbage, and strawberry) in Protected Production System	DOST	PCAARRD	Chapter 8	The project generally aims to determine the effect of foliar carrageenan PFS and synthetic fertilizer combinations on the growth, quality, and yield of selected cool-season crops (lettuce, broccoli cabbage, and strawberry) under greenhouse conditions. It specifically aims to : 1) To evaluate the effects of various levels and frequency of carrageenan PFS applications on the growth and yield of selected cool-season crops; 2) To identify the optimum levels and frequency of carrageenan supplement application to maximize yields of the test crops; 3)To evaluate the effects of carrageenan PFS on the incidence of major insect pests and diseases of selected crops; 4) To determine the effect of carrageenan PFS on the quality of produce; 5) To validate preliminary test results in selected farmers' fields; and 6) To conduct a benefit-cost analysis on the use of carrageenan PFS in the production of the selected crops	Region-Specific	CAR	LFP	2016	2018	1,963,094.00	2,000,000.00	-	-	-	-	-	3,963,094.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
116	PCAARRD-0083	Utilization of DNA Marker Selection in Breeder and Commercial Swine Farm Units	DOST	PCAARRD	Chapter 8	The proposed R&D project implemented thru private public partnership aspires to promote the utilization of the newly developed gene marker technology in breeding and selection in local swine population to increase productivity and improve production efficiency of the Philippine swine industry. It aims to: 1) Promote the utilization and adoption of molecular methods of selection by local swine raisers to improve prolificacy and production efficiency thru the use of a private-sector operated swine genomics service laboratory; 2) Validate and estimate the effect of favorable genotype on different traits both at the level of nucleus (purebred GGP, GP) and commercial herds; and 3) Provide assistance in the use of genomic information in the breeding program for individual herds.	Region-Specific	Region III	LFP	2016	2018	3,343,099.00	268,415.00	-	-	-	-	3,611,514.00
117	PCAARRD-0084	Utilization of Modified Drip Irrigation for Production of High Quality Onion and Garlic	DOST	PCAARRD	Chapter 8	The project aims to increase yield in vegetable production by 30% through the use of low pressure drip irrigation technologies.	Region-Specific	Region III	LFP	2016	2018	911,538.00	923,538.00	-	-	-	-	1,835,076.00
118	DA-0110	Cooperative Biological Engagement Program Partnership with the Philippines to Enhance the Biosafety and Biosecurity Posture at Department of Agriculture Regional Animal Diagnostic Laboratories (RADDLs)	DA		Chapter 8	The partnership aims to safely secure and consolidate select agents in the Philippines; enhance its Biosafety and Biosecurity (BS&S) and Biosurveillance (BSV) standards; and strengthen its ability to detect, diagnose, surveil, and report emerging and re-emerging pathogens of national and international concern, in accordance with the World Health Organization (WHO) International Health Regulations 2005 (IHR), and World Organization for Animal Health (OIE) Guideline.	Interregional	Region III, Region VII, Region X, Region XII	TBD	2017	2019	240,000,000.00	320,000,000.00	80,000,000.00	-	-	-	640,000,000.00
119	PCAARRD-0087	Verification and Development of Climate Change-Resilient Production Strategies for Citrus	DOST	PCAARRD	Chapter 8	The project aims to verify and develop climate change-resilient production strategies for Citrus	Region-Specific	Region II	LFP	2017	2018	2,500,000.00	2,400,000.00	-	-	-	-	4,900,000.00
120	PCAARRD-0089	Tiger Shrimp (Penaeus monodon) Genomics Program	DOST	PCAARRD	Chapter 8	Includes the Genomic Markers for Assessment of Inbreeding and Morphophenotype-genotype Association Mapping in Penaeus monodon project. The general goal of this project is to expand the genetic resources necessary for sustaining a genetic improvement program for P. monodon in the country.	Region-Specific	NCR	LFP	2015	2017	1,721,162.00	-	-	-	-	-	1,721,162.00
121	PCAARRD-0090	Assessment of the closed season policy on round scad	DOST	PCAARRD	Chapter 8	Objective: to assess the closed season policy on round scad	Region-Specific	Region VI	LFP	2017	2018	4,000,000.00	1,000,000.00	-	-	-	-	5,000,000.00
122	PCAARRD-0091	Analysis of the Effects of Transaction Costs on Technology Adoption in Selected Agri Industries	DOST	PCAARRD	Chapter 8	To analyze the effects of transaction costs on technology adoption in selected agri industries	Region-Specific	Region IVA	LFP	2017	2018	3,000,000.00	2,000,000.00	-	-	-	-	5,000,000.00
123	PCAARRD-0093	Application of Yeast Biocon Agents Under Field and Packinghouse Conditions	DOST	PCAARRD	Chapter 8	To study the effect of Yeast Biocon agents application under field and packinghouse conditions	Region-Specific	Region IVA	LFP	2017	2018	1,503,740.00	2,500,000.00	-	-	-	-	4,003,740.00
124	PCAARRD-0094	Assessment of policies affecting harvest and transport of bamboo poles & culms	DOST	PCAARRD	Chapter 8	To assess the policies affecting harvest and transport of bamboo poles & culms	Region-Specific	Region IVA	LFP	2017	2018	4,000,000.00	1,000,000.00	-	-	-	-	5,000,000.00
125	PCAARRD-0101	Coconut-based Intercropping of Banana and Corn as Livelihood Options for Communities in Barangay Camansihay, Tacloban Leyte: An S&T Community-based Approach (STCBF)	DOST	PCAARRD	Chapter 8	Study the effectiveness of coconut-based intercropping of Banana and Corn as livelihood options for communities in Barangay Camansihay, Tacloban Leyte using an S&T Community-based Approach (STCBF)	Region-Specific	Region VIII	LFP	2016	2018	1,151,974.00	-	-	-	-	-	1,151,974.00
126	PCAARRD-0104	Conservation, Improvement and Profitable Utilization of the Philippine Native Pigs in Eastern Visayas	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Native Pig Breeding And Production As Sustainable Livelihood Option In Calamity Prone Areas and 2) Developing A Weather Resilient Local Resource-Based Free Range Production Management Systems For Native Pigs.	Region-Specific	Region VIII	LFP	2015	2020	2,489,625.00	1,489,358.00	1,432,448.00	-	-	-	5,411,431.00
127	PCAARRD-0105	Development and Promotion of Milkfish Satellite Hatcheries in Major Milkfish Producing Areas of the Philippines	DOST	PCAARRD	Chapter 8	To develop and promote Milkfish Satellite Hatcheries in major milkfish producing areas of the Philippines	Region-Specific	Region VI	LFP	2015	2017	3,827,888.00	-	-	-	-	-	3,827,888.00
128	PCAARRD-0106	Development and Verification of Soil and Water Management Strategies for Citrus Production	DOST	PCAARRD	Chapter 8	To develop and verify soil and water management strategies for Citrus production	Region-Specific	Region II	LFP	2017	2018	2,500,000.00	2,400,000.00	-	-	-	-	4,900,000.00
129	PCAARRD-0107	Development of a Dry Format RT-Lamp and Test Kits for Classical Swine Fever Virus (CSFV) and Porcine Reproductive and Respiratory Syndrome Virus (PRRSV)	DOST	PCAARRD	Chapter 8	To develop a dry format RT-Lamp and test kits for Classical Swine Fever Virus (CSFV) and Porcine Reproductive and Respiratory Syndrome Virus (PRRSV)	Region-Specific	Region XII	LFP	2017	2018	2,151,097.00	1,400,832.00	-	-	-	-	3,551,929.00
130	PCAARRD-0108	Development of a Drying system for Seaweeds	DOST	PCAARRD	Chapter 8	To develop a Drying system for Seaweeds	Region-Specific	Region IVA	LFP	2015	2017	577,479.20	-	-	-	-	-	577,479.20

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
131	PCAARRD-0109	Development of a National Pork Traceability System	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Ensuring Food Safety and Quality Along the Supply Chain Through Product Traceability: An ICT-Based Pork Traceability System Model and 2) Molecular Traceability: DNA-Based Verification of Meat Product Information.	Region-Specific	Region IVA	LFP	2014	2017	3,862,793.00	-	-	-	-	-	3,862,793.00
132	PCAARRD-0110	Development of a Real time Monitoring System for Production of Important Crops for Food Security	DOST	PCAARRD	Chapter 8	To develop a real time monitoring system for production of important crops for food security	Region-Specific	NCR	LFP	2017	2020	6,000,000.00	6,000,000.00	14,000,000.00	10,000,000.00	-	-	36,000,000.00
133	DA-0043	Sugar Regulatory Administration - Scholarship Program	DA	SRA	Chapter 8	The scholarship program given to dependents of sugarcane industry farmers and workers is geared towards producing the necessary expertise in relevant fields of discipline that the SRA and the industry need for the attainment of its goals and targets under the sugarcane roadmap	Interregional	Region II, Region III, Region IVA, Region V, Region VI, Region VII, Region VIII, Region VIII, Region X, Region XI, Region XII	LFP	2017	2022	10,000,000.00	100,000,000.00	100,000,000.00	100,000,000.00	100,000,000.00	100,000,000.00	510,000,000.00
134	PCAARRD-0112	Development of Micro-propagation Protocol for Four Economically Important Bamboo Species in the Philippines	DOST	PCAARRD	Chapter 8	To develop a micro-propagation protocol for four economically important bamboo species in the Philippines	Region-Specific	Region IVA	LFP	2016	2019	2,784,668.53	488,233.00	976,465.53	903,030.53	-	-	5,152,397.59
135	PCAARRD-0113	Development of Molecular Diagnostic Tools for Armored Scale Insects (Hemiptera: Diaspididae) and Their Natural Enemies on Coconut and Associated Crops - Phase 2	DOST	PCAARRD	Chapter 8	To develop molecular diagnostic tools for Armored Scale Insects (Hemiptera: Diaspididae) and their natural enemies on coconut and associate crops	Region-Specific	Region IVA	LFP	2017	2018	144,662.84	-	-	-	-	-	144,662.84
136	PCAARRD-0114	Development of Multiple Strains of Plant Growth Promoting Rhizobacteria-based Biofertilizer for Sustainable Lowland Rice Production	DOST	PCAARRD	Chapter 8	To develop of multiple strains of plant growth promoting Rhizobacteria-based biofertilizer for sustainable lowland rice production	Region-Specific	Region III	LFP	2016	2019	773,164.00	1,571,149.00	398,993.00	-	-	-	2,743,306.00
137	PCAARRD-0115	Development of Philippine Native Chicken and Itik Pinas Breed Information System	DOST	PCAARRD	Chapter 8	To develop Philippine Native Chicken and Itik Pinas Breed Information System	Region-Specific	Region IVA	LFP	2017	2018	3,271,175.00	1,727,900.00	-	-	-	-	4,999,075.00
138	PCAARRD-0116	Development of Philippine Native Pig Breed Information System	DOST	PCAARRD	Chapter 8	To develop the Philippine Native Pig Breed Information System	Region-Specific	Region VIII	LFP	2017	2018	2,705,478.00	2,294,480.00	-	-	-	-	4,999,958.00
139	DA-0093	Philippine-Sino Center for Agricultural Technology-Technical Cooperation Program Phase III	DA		Chapter 8	To establish an agricultural technology research and demonstration center focus on Hybrid Rice breeding technology to realize rice sufficiency of the Philippine, with three major breeding focuses, namely: super hybrid rice, pest-resistant and high grain quality rice hybrids, and technology demonstration with capability training on AxR seed production utilizing the six hybrid rice varieties, namely: P8, P9, P12, M38, LP937 (M78) and LP 331 to major hybrid rice producing provinces/regions: Ilocos Norte, Central Luzon, Oriental Mindoro and Davao Oriental	Interregional	Region I, Region III, Region IVB, Region XI	ODA-China	2018	2020	-	167,933,333.33	167,933,333.33	167,933,333.34	-	-	503,800,000.00
140	PCAARRD-0118	Development of Strategies for propagules and Shoot Production of Three Bamboo Species in Pampanga	DOST	PCAARRD	Chapter 8	To develop strategies for propagules and shoot production of three Bamboo species in Pampanga	Region-Specific	Region III	LFP	2016	2019	792,937.00	1,585,874.00	1,585,874.00	-	-	-	3,964,685.00
141	PCAARRD-0119	Development of tissue culture techniques for mass production of selected bamboo species	DOST	PCAARRD	Chapter 8	To develop tissue culture techniques for mass production of selected bamboo species	Region-Specific	Region VIII	LFP	2017	2019	1,943,230.00	1,273,480.00	1,283,290.00	-	-	-	4,500,000.00
142	PCAARRD-0120	Disease Management for Improved Mud Crab Production	DOST	PCAARRD	Chapter 8	Includes the Prevention and Mitigation of Diseases in Mud crab Culture project.	Region-Specific	NCR	LFP	2015	2017	435,931.00	-	-	-	-	-	435,931.00
143	PCAARRD-0121	Drought and Crop Assessment and Forecasting 2 a.k.a Agricultural Drought Management (ADAN)	DOST	PCAARRD	Chapter 8	Drought and Crop Assessment and Forecasting	Region-Specific	NCR	LFP	2017	2019	7,000,000.00	7,000,000.00	6,000,000.00	-	-	-	20,000,000.00
144	PCAARRD-0122	Durian Tree Management for Optimum Production	DOST	PCAARRD	Chapter 8	Management of Durian tree for optimum production	Region-Specific	Region XII	LFP	2017	2020	3,228,597.99	3,133,197.99	2,319,658.49	773,219.50	-	-	9,454,673.97
145	PCAARRD-0123	Effect of Nanomaterials on the Soil Microbial Community and Microbial Inoculants	DOST	PCAARRD	Chapter 8	Effect of Nanomaterials on the Soil Microbial Community and Microbial Inoculants	Region-Specific	Region IVA	LFP	2016	2018	2,329,531.40	629,183.50	-	-	-	-	2,958,714.90
146	PCAARRD-0125	Enhanced Productivity/unit area through Integration of Cacao in Coconut, Rubber and Banana Farms	DOST	PCAARRD	Chapter 8	To enhance productivity/unit area through integration of Cacao in Coconut, Rubber and Banana farms	Region-Specific	Region XII	LFP	2017	2019	2,500,000.00	3,000,000.00	1,500,000.00	-	-	-	7,000,000.00
147	PCAARRD-0126	Enhancement of Hatchery and Nursery Practices for a Reliable Supply of Quality Seeds for the Green-tipped Mussel (Perna viridis) Farming	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Refinement of Broodstock Maintenance, Spawning, Larval and Spat Rearing Technologies for Sustained Seed Production of the Green Mussel (Perna viridis); 2) Development of Remote Setting and Nursery Technologies for the Green Mussel (Perna viridis); 3) Development of Depuration and Relaying Techniques for Philippine Green Mussels; and 4) Genetic characterization and selective breeding of green mussel, Perna viridis.	Region-Specific	Region VIII	LFP	2014	2017	3,619,793.00	-	-	-	-	-	3,619,793.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
148	PCAARRD-0127	Enhancing Competitiveness of Philippine "Carabao" Mango through Varietal Improvement Program	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Characterization of 'Carabao' and other Mango Varieties with Red Blush and Thick Peel, and Development of Hybrids; 2) Characterization of 'Carabao' and other Mango Varieties with Resistance to Fruit Fly and Anthracnose; and 3) Identification of Molecular Markers in 'Carabao' and other Mango Varieties Associated with Red Blush, Thick Peel, and Resistance to Anthracnose and Fruit Fly	Region-Specific	Region IVA	LFP	2015	2021	5,693,078.00	5,552,285.00	3,590,399.00	3,468,210.00	-	-	18,303,972.00
149	DA-0143	Quality Assurance for Tobacco Leaf and Manufactured Products	DA	NTA	Chapter 8	The project will concentrate in the provision of services that ensure the quality of land, water, fertilizer and leaf tobacco, including the continuing study and monitoring of physical and chemical quality of cigarettes, as an input to continuing technology adjustments, standards formulation and effective regulation enforcement and compliance.	Interregional	CAR, Region I, Region II	LFP	2017	2022	80,491,000.00	80,491,000.00	80,491,000.00	80,491,000.00	80,491,000.00	80,491,000.00	482,946,000.00
150	PCAARRD-0131	Enhancing quality protein maize (QPM) production, storage and utilization as feed grain	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Optimizing the planting density and fertilizer requirements of QPM hybrid cultivars and 2) Nutritional evaluation of QPM hybrid cultivars for poultry and swine feeding.	Region-Specific	Region XII	LFP	2014	2017	766,873.00	-	-	-	-	-	766,873.00
151	PCAARRD-0132	Enhancing Sea Cucumber Production: Uncovering and Utilizing Genetic Resources for Sustainable Development	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Developing Genomic Resources for Holothuria scabra in Support of Broodstock Selection and Stock Delineation and 2) Identifying management units for high value sea cucumber species, Holothuria scabra and Stichopus horrens.	Region-Specific	NCR	LFP	2015	2018	8,926,451.00	-	-	-	-	-	8,926,451.00
152	DA-0091	Philippine Carabao Center - Market Development Services	DA	PCC	Chapter 8	These are services focused on the provision/facilitation of activities and services that support or promote the entry, sale, or consumption of agricultural and fishery products and by-products in domestic and international markets.	Interregional	Region XVIII, Region IX, Region XII, Region XIII	LFP	2018	2022	-	60,000,000.00	70,000,000.00	100,000,000.00	100,000,000.00	100,000,000.00	430,000,000.00
153	PCAARRD-0135	Enhancing Value Chain For Peanut (Arachis hypogaea L.) Production and Processing	DOST	PCAARRD	Chapter 8	Includes the Enhancing Peanut Production through Innovative Water Management Strategies project.	Region-Specific	Region I	LFP	2015	2017	1,813,308.00	-	-	-	-	-	1,813,308.00
154	DAR-0006	Sugarcane Block Farm (SBF) Project	DAR		Chapter 8	SBF Project is framed from the SRA banner program that espouses the consolidation of small farms to take advantage of plantation-scale production and achieve economies of scale in sugarcane areas. Since sugarcane is essentially cultivated as a plantation crop to optimize efficiency, productivity and profitability, the operations of small farms will be consolidated into a minimum aggregate areas of 30-50 hectares called "block farms". Ownership of each small farm is still maintained and respected, thus giving the landowners a share in the profit. As designed, the block will be managed as one farm, by the agrarian reform beneficiary organization (ARBO), such that the activities in the small farm are aligned and implemented according to the plans of the block farm to ensure the efficient use of equipment, deployment of workers, volume purchase of inputs, financing, milling, marketing and other operational advantages. The owners of small farms shall likewise be the workers in the block farms and will be paid according to their labor/service rendered.	Interregional	Region II, Region III, Region IVA, Region V, Region VI, Region VII, Region VIII, Region X, Region XI, Region XII	LFP	2016	2018	164,842,400.00	81,811,000.00	-	-	-	-	246,653,400.00
155	PCAARRD-0137	Establishment of breed registry system for purebred swine	DOST	PCAARRD	Chapter 8	To establish breed registry system for purebred swine in the Philippines that will ensure the supply and quality of breeder pigs for the local pig industry. Specific Objectives: 1. To develop a national database for pedigree and performance information of breeder pigs 2. To establish a national breed performance registry system for local purebreds that would allow ranking of individual breeder pigs within a breed. 3. To develop breed verification system and parentage testing protocols for purebred swine 4. To promote the breed registry system to swine breeders and pork producers to enhance accessibility for superior breeder animals.	Region-Specific	Region IVA	LFP	2016	2018	2,177,158.00	588,280.00	-	-	-	-	2,765,438.00
156	PCAARRD-0139	Establishment of Forage Production Modules for Slaughter Goats in Bongabon and Lupao, Nueva Ecija: A S&T Community-based Approach	DOST	PCAARRD	Chapter 8	Establishment of Forage Production Modules for Slaughter Goats in Bongabon and Lupao, Nueva Ecija using a S&T Community-based Approach	Region-Specific	Region III	LFP	2016	2020	1,395,127.00	1,338,152.00	-	-	-	-	2,733,279.00
157	PCAARRD-0140	Factors affecting farm to non-farm labor migration	DOST	PCAARRD	Chapter 8	Factors affecting farm to non-farm labor migration	Region-Specific	Region IVA	LFP	2017	2018	2,500,000.00	2,500,000.00	-	-	-	-	5,000,000.00
158	PCAARRD-0141	Establishment of Pill-based S&T Farms in Bicol	DOST	PCAARRD	Chapter 8	To establish Pill-based S&T Farms in Bicol	Region-Specific	Region V	LFP	2017	2018	1,000,000.00	1,000,000.00	-	-	-	-	2,000,000.00
159	PCAARRD-0142	Establishment of Rubber Nursery, Budwood Garden and Demonstration Farm in Cavinti, Laguna: An STCBF Approach	DOST	PCAARRD	Chapter 8	Establishment of Rubber Nursery, Budwood Garden and Demonstration Farm in Cavinti, Laguna	Region-Specific	Region IVA	LFP	2016	2018	961,945.66	961,945.66	-	-	-	-	1,923,891.32

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PhP Exact Amount)							
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)	
160	PCAARRD-0144	Feeds and Feeding Systems for the Improved Mallard Ducks	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Establishment of Feeding System for the Improved Philippine Mallard Duck Raised under Confinement System; 2) Establishment of Feeding System for the Improved Philippine Mallard Duck Raised under Range Management System; and 3) Establishment of the Nutrient Requirements of Improved Philippine Mallard Duck.	Region-Specific	Region IVA	LFP	2016	2018	5,297,784.60	2,082,700.00	-	-	-	-	7,380,484.60	
161	PCAARRD-0145	Field testing of biofungicide	DOST	PCAARRD	Chapter 8	Field testing of biofungicide	Region-Specific	Region X	LFP	2017	2018	2,500,000.00	2,500,000.00	-	-	-	-	5,000,000.00	
162	DA-0137	Milk Feeding Program: Reducing Malnutrition and creating livelihood opportunities for Filipino Farmers	DA	NDA	Chapter 8	The program aims to: 1. Improve the nutritional status of children in the poorest province in the country. 2. Provide livelihood opportunities to Filipino farmers in the poorest provinces nationwide through dairy farming.	Interregional	Region V, Region VII, Region IX, Region X, Region XII	LFP	2018	2020	-	113,400,000.00	113,400,000.00	113,400,000.00	-	-	-	340,200,000.00
163	PCAARRD-0148	Etiology and Management Strategies for Tapping Panel Dryness and Stem Bleeding of Rubber	DOST	PCAARRD	Chapter 8	Etiology and Management Strategies for Tapping Panel Dryness and Stem Bleeding of Rubber	Region-Specific	Region IX	LFP	2016	2018	1,754,800.00	957,800.00	-	-	-	-	2,712,600.00	
164	PCAARRD-0150	Functional Genomics Assisted Development of Gene Markers for Economically Important Traits in Cacao and Rubber Production Varietal Improvement	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Functional Genomics Assisted Development of Gene Markers for Economically Important Traits in Cacao Production and Varietal Improvement and 2) Genomics Assisted Development of Gene Marker for Important Traits in Rubber Production and Clone Improvement.	Region-Specific	Region XII	LFP	2015	2018	6,795,732.00	440,468.00	-	-	-	-	7,236,200.00	
165	PCAARRD-0151	Nutrient and Water Management for SRA Block Farms: Towards Technical and Economic Sustainability	DOST	PCAARRD	Chapter 8	The project aims to study the nutrient and water management for SRA Block Farms towards technical and economic sustainability	Region-Specific	Region VI	LFP	2017	2018	2,205,079.00	2,205,979.00	-	-	-	-	4,411,058.00	
166	PCAARRD-0154	Taro R&D Program	DOST	PCAARRD	Chapter 8	Includes 3 projects	Region-Specific	Region IVA	LFP	2017	2019	5,000,000.00	3,750,000.00	3,750,000.00	-	-	-	12,500,000.00	
167	DA-0126	Strengthening the Rice Biotechnology at PhilRice	DA		Chapter 8	In harmonization with the DA Administrative Order No. 6 series of 2015 and with the need for a continuously search for genetic variability for broadening the gene pool of rice cultivars in order to be one jump ahead of the environmental uncertainties which could threaten future rice yields, the 3-year project aims to strengthen Rice Biotechnology at Philippine Rice Research Institute (PhilRice) to undertake relevant, cutting-edge, and productive research and development activities on rice biotechnology in the context of its designation to spearhead rice biotechnology R&D. This will be through infrastructure development & equipment procurement, technical capability strengthening, rice biotechnology R&D, and R&D network/linkages.	Interregional	Region I, Region III, Region IVA, Region VI, Region VIII, Region IX, Region XIII	ODA-US	2018	2020	-	191,451,105.48	102,801,875.00	8,000,000.00	-	-	-	302,252,980.48
168	DA-0145	Renewable Energy Farm Project and Restoration of Ecological Integrity	DA	NTA	Chapter 8	This is a joint venture of NTA, DENR, tobacco-based cooperatives and tobacco companies to provide ipil-ipil seedlings to Virginia tobacco farmers for their fuelwood requirements and restore the ecological integrity of tobacco-growing regions, to help mitigate climate change through tree planting.	Interregional	CAR, Region I, Region II	LFP	2017	2022	50,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	300,000,000.00	
169	PCAARRD-0159	Improved Resource-use Efficient (IRUE) Rice Varieties for the Philippines	DOST	PCAARRD	Chapter 8	Study on the Improved Resource-use Efficient (IRUE) Rice Varieties for the Philippines	Region-Specific	Region IVA	LFP	2016	2019	5,022,623.00	4,151,873.00	-	-	-	-	9,174,496.00	
170	PCAARRD-0161	Gender Responsive Sustainable S&T Based Livelihood on Tilapia Cage Culture and Fish Processing for Low-Income Households in Coastal Barangays of Los Baños, Laguna (Phase 2)	DOST	PCAARRD	Chapter 8	A study on Gender Responsive Sustainable S&T Based Livelihood on Tilapia Cage Culture and Fish Processing for Low-Income Households in Coastal Barangays of Los Baños, Laguna (Phase 2)	Region-Specific	Region IVA	LFP	2016	2018	689,399.00	-	-	-	-	-	689,399.00	
171	PCAARRD-0163	Piloting of Botanical Pesticides from Selected Ecosystems in Central Luzon	DOST	PCAARRD	Chapter 8	Piloting of Botanical Pesticides from Selected Ecosystems in Central Luzon	Region-Specific	Region III	LFP	2017	2022	1,509,936.00	2,800,000.00	-	-	-	-	4,309,936.00	
172	PCAARRD-0164	Plant Variety Protection of Downy Mildew Resistant Corn and ABTV-resistant Abaca and Patent Application of Related Technologies	DOST	PCAARRD	Chapter 8	Plant Variety Protection of Downy Mildew Resistant Corn and ABTV-resistant Abaca and Patent Application of Related Technologies	Region-Specific	Region IVA	LFP	2017	2020	2,500,000.00	2,500,000.00	2,500,000.00	2,500,000.00	-	-	10,000,000.00	
173	PCAARRD-0166	Plant Variety Protection of Downy Mildew Resistant Corn and Patent Application of Related Technologies	DOST	PCAARRD	Chapter 8	Plant Variety Protection of Downy Mildew Resistant Corn and Patent Application of Related Technologies	Region-Specific	Region IVA	LFP	2017	2018	2,762,566.44	2,224,866.44	-	-	-	-	4,987,432.88	
174	PCAARRD-0169	Pilot testing of protein enriched copra meal (PECM): A valuable protein feed ingredient for swine and poultry	DOST	PCAARRD	Chapter 8	To pilot test protein enriched copra meal (PECM)	Region-Specific	Region IVA	LFP	2014	2017	-	-	-	-	-	-	-	

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
175	PCAARRD-0171	Pre-Commercialization of Forage-based Pellet Feeds for Goats: Feasibility Analysis	DOST	PCAARRD	Chapter 8	The general aim of the project is to increase technology readiness of forage-based pellets for goat in preparation to commercialization. Its specific aims are to: 1) To produce 3,000 kg each of two variants of forage-based pellets for growing goats and 4,000kg each for lactating goats in pilot scale; 2) To conduct field testing and evaluation of the different variants of forage-based pellets feeds; 3) To determine potential demand for forage-based pellets; and 4) To scale-up promotional activities for forage-based pellet feeds.	Region-Specific	Region III	LFP	2016	2018	511,302.00	-	-	-	-	-	511,302.00
176	PCAARRD-0172	Processing and wood quality evaluation of paper mulberry (Broussonetia papyrifera) for furniture and handicraft/FPRDI-DOST	DOST	PCAARRD	Chapter 8	Processing and wood quality evaluation of paper mulberry (Broussonetia papyrifera) for furniture and handicraft/DOST	Region-Specific	Region IVA	LFP	2017	2018	1,047,084.00	1,490,084.00	-	-	-	-	2,537,168.00
177	PCAARRD-0174	Pilot-testing of other Rice Mechanization technologies (Seeder) (proj. 1)	DOST	PCAARRD	Chapter 8	To pilot test other rice mechanization technologies	Region-Specific	Region III	LFP	2017	2018	4,500,000.00	4,500,000.00	-	-	-	-	9,000,000.00
178	PCAARRD-0175	Pilot-testing of Peanut Mechanization Technologies (stripper, sheller and bulk storage)	DOST	PCAARRD	Chapter 8	To pilot-test Peanut Mechanization Technologies i.e. stripper, sheller and bulk storage	Region-Specific	Region II	LFP	2017	2018	2,000,000.00	2,000,000.00	-	-	-	-	4,000,000.00
179	PCAARRD-0176	Pilot-testing of other Rice Mechanization technologies (combine) (proj. 3)	DOST	PCAARRD	Chapter 8	To pilot-test other Rice Mechanization technologies	Region-Specific	Region III	LFP	2017	2018	4,500,000.00	4,500,000.00	-	-	-	-	9,000,000.00
180	PCAARRD-0179	Other extension/deployment projects (STBF/STCBF/STMF/Others)	DOST	PCAARRD	Chapter 8	Includes projects on Cacao, Pili, Peanut, Jackfruit, Sugarcane, Banana, Seaweeds, Mussel and Mudcrab	Nationwide		LFP	2017	2019	9,000,000.00	10,000,000.00	1,000,000.00	-	-	-	20,000,000.00
181	PCAARRD-0180	Pathogenicity Evaluation of Newly Developed Biofertilizers for Various Crops	DOST	PCAARRD	Chapter 8	Evaluation of pathogenicity of newly developed biofertilizers for various crops	Region-Specific	Region IVA	LFP	2017	2018	-	2,800,000.00	3,000,000.00	-	-	-	5,800,000.00
182	PCAARRD-0181	Biological Control of Invasive Pests of Coconut using Predatory Black Earwig, Chelisoche morio (Fabr.) (Chelisocheidae, Dermaptera) in S&T Community-Based Farm in Nagcarlan, Laguna	DOST	PCAARRD	Chapter 8	To study the biological control of invasive pests of coconut using predatory Black Earwig, Chelisoche morio (Fabr.) (Chelisocheidae, Dermaptera) in S&T Community-Based Farm (STCBF) in Nagcarlan, Laguna	Region-Specific	Region IVA	LFP	2016	2017	1,615,752.80	-	-	-	-	-	1,615,752.80
183	PCAARRD-0187	Rubber, Coffee and Cacao: Building Site Matching Functions for Improved Upland Development	DOST	PCAARRD	Chapter 8	The project aims to develop site matching functions for four economically important tree crops to aid farmers in selecting the best sites in planting these crops. Specifically, the project objectives are: a) Assessment of the performance of rubber, cacao and coffee in different parts of the country; b) Identify and determine the site condition favorable for the growth, survival and good yield of these species; and c) Develop site matching functions of each of the species/varieties and to use these functions in developing a site-matching software.	Region-Specific	Region IVA	LFP	2016	2018	835,247.00	1,670,494.00	-	-	-	-	2,505,741.00
184	DA-0089	Performance Testing Station and Research Laboratory	DA	PCC	Chapter 8	Establishment of facilities for genetic evaluation and selection as well as performance and progeny testing for cows and sires.	Interregional	Region I, Region II, Region III, Region IVA, Region IVB, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII	LFP	2017	2022	4,800,000.00	50,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	254,800,000.00
185	PCAARRD-0190	Multi-location evaluation of naturally selected Saba strains with short stature and field evaluation of irradiated Saba/Cardaba	DOST	PCAARRD	Chapter 8	To evaluate naturally-selected and irradiated Saba/Cardaba strains with short stature (4 meter or less) and early maturity (harvestable at 12-16 months). (1) To mass propagate and evaluate the agronomic, yield and economic performance of different Saba strains with short stature (4 meter or less that are harvestable in 12-16 months) in a total of at least 10 ha in selected locations (Isabela, Nueva Vizcaya, Laguna, Oriental Mindoro, Davao City and Butuan). (2) To study the acceptability and antioxidant properties of collected Saba strains with short stature to determine the best possible variety to be recommended to the farmers. (3) To conduct technology/ variety promotion and dissemination of promising naturally-selected Saba with short stature. (4) To conduct field evaluation of irradiated short-statured Saba/Cardaba. (5) To evaluate promising strains and selected irradiated mutants of Saba for resistance against Banana Bract Mosaic Virus and Bugtok.	Region-Specific	Region IVA	LFP	2014	2017	1,984,852.12	-	-	-	-	-	1,984,852.12
186	DA-0150	Establishment of Carabao Farm Ville (Technology Tourism Park and Learning Hub)	DA	PCC	Chapter 8	An innovative way of learning and educating thru experiential learning thru first hand experience of the different aspects of production and processing of carabao based products.	Interregional	Region III, Region VII	LFP	2017	2022	-	50,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	250,000,000.00
187	DA-0165	Research and Development-Establishment/Improvement of Halal Research Facilities, Slaughterhouse and Processing Facilities	DA	PCC	Chapter 8	Establishment of a facility that will showcase/demonstrate the benefits of Halal Production System.	Interregional	Region XVIII, Region X, Region XII	LFP	2018	2022	-	50,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	250,000,000.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
188	PCAARRD-0196	Increasing Production and Improving Quality of Oyster Produced in the Philippines	DOST	PCAARRD	Chapter 8	Project 1. Establishment of Sanitary Quality of Oysters and their Culture Environment Project 2. Refinement of Existing Oyster Grow-out Techniques Project 3. Grow-out Culture of Slipper Shaped Oyster Using the Ratt Long-line Method	Region-Specific	Region VI	LFP	2014	2017	920,410.00	-	-	-	-	-	920,410.00
189	PCAARRD-0197	Morphology-based Diagnostics of Armored Scale Insects (Hemiptera: Diaspididae) and Their Natural Enemies Infesting Coconut and Associated Crops - Phase 2	DOST	PCAARRD	Chapter 8	General: To develop morphological diagnostic tools for armored scale insects and associated natural enemies to facilitate the formulation of appropriate management strategies for scale insect. Specific 1. To study the taxonomy of coconut-infesting and related species of the genus Aspidiotus and other armored scale insects of the tribe Aspidiotini; 2. To conduct taxonomic revisions of armored scale insect genera belonging to the tribes Diaspidini, Lepidosaphini and Parlatoriini, with emphasis on those that include complexes or species that infest coconut and associated crops; 3. To survey natural enemies of armored scale insects infesting coconut and associated crops in the Philippines; and 4. To study the taxonomy of insect parasitoids and predators attacking armored scale insects infesting coconut and associated crops in the Philippines *	Region-Specific	Region IVA	LFP	2016	2017	385,626.46	-	-	-	-	-	385,626.46
190	PCAARRD-0198	Invigorating The Philippine Duck Egg Industry Through Adoption Of R&D Outputs In Breeding, Product Processing And Marketing And Distribution	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Commercial-scale Testing of Breeder Itik Pinas Pure Lines (IP-Itim and IP-Khaki); 2) Evaluation of the Production Performance and Egg Quality of IP-Itim, IP-Khaki and IP-Kayumanggi in Selected Duck Egg Producing Regions of the Philippines; 3) Duck Egg Products Processing Innovation for Extended Shelf Life and Enhanced Quality and Safety; 4) Innovative Marketing and Distribution for Ethnic Duck Egg Delicacies and Novel Products; and 5) Prototype Development of Balut Vending Machine and Packaging Material and Design for Duck Egg Product.	Region-Specific	Region IVA	LFP	2017	2020	32,737,109.00	43,005,609.00	26,171,826.00	-	-	-	101,914,544.00
191	PCAARRD-0209	Improvement of feeds and stock management practices for mud crab grow-out culture	DOST	PCAARRD	Chapter 8	Includes the Improvement in the handling, storage and transport of mud crabs project.	Region-Specific	Region VIII	LFP	2015	2017	617,853.00	-	-	-	-	-	617,853.00
192	PCAARRD-0211	Forestry, Natural Resources and Environment Program	DOST	PCAARRD	Chapter 8	This program aims to establish R&D Centers throughout the country on various forestry commodities/services such as industrial tree plantations, rubber, cacao, sago, bamboo, watershed, and biodiversity. Strategically located nationwide, these centers will be based in SUCs/R&D institutes and will implement projects on their assigned commodities which will use S&T interventions to develop technologies and generate information that will boost the country's development. Using science, problems affecting the sector will be addressed and at the same time promote biodiversity conservation and resilience to climate change.	Nationwide		LFP	2018	2020	-	313,852,274.00	263,872,518.00	272,776,000.00	-	-	850,500,792.00
193	PCAARRD-0213	Revitalizing R&D to boost inland aquatic resources as frontiers for food security	DOST	PCAARRD	Chapter 8	The program aims to boost the potential of aquatic resources for productivity and ecological services through S&T interventions that will promote technological self-reliance, upgrading of capability and community involvement in developing and managing these resources for food production. Specifically, it will undertake development, field testing and roll out of technologies on the hatchery, nursery and growth out of selected finfishes, crustaceans and shellfish, with parallel effort to develop improved strains with better growth performance and disease resistance. The program will also strengthen the knowledge necessary to develop, conserve and manage inland bodies of water as cradle for biodiversity and habitats for fish production while engaging institutions and local stakeholders in managing these resources.	Nationwide		LFP	2018	2020	-	317,500,000.00	257,650,000.00	171,650,000.00	-	-	746,800,000.00
194	PCAARRD-0215	Livestock and Poultry S&T Program	DOST	PCAARRD	Chapter 8	This Program introduces strategies for improved productivity and more sustainable use of livestock and poultry towards improving food security and reducing poverty in the country. This Program will capitalize on strategic R&D, capacity building, policy and research.	Nationwide		LFP	2018	2022	-	538,500,000.00	331,714,682.00	177,593,441.00	-	-	1,047,808,123.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

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			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
195	PCAARRD-0216	Crops Research and Development Program	DOST	PCAARRD	Chapter 8	This program aims to improve the productivity of priority crops that include abaca, coconut, rice, fruit crops (e.g. banana, mango, citrus, pineapple, papaya, pummelo, durian), industrial crops (e.g. coffee, cacao, pilli, cashew), medicinal plants, vegetable crops (e.g. tomato, white potato), rootcrops (e.g. sweet potato, cassava), and legumes (e.g. peanut, mungbean). This will address the current needs of the farmers and other stakeholders to avail improved technologies on crop management, integrated pests and nutrient management, appropriate cropping systems, pre- and post-harvest technologies and value addition for competitive market both for local and international through the establishment and upgrading of research facilities and centers.	Nationwide		LFP	2018	2023	-	1,269,409,922.00	613,184,918.00	501,309,150.00	-	-	2,383,903,990.00
196	PCAARRD-0217	Agricultural Resources Management S&T Program for Increased Agricultural Productivity and Sustainability	DOST	PCAARRD	Chapter 8	Appropriate soil, water and crop management strategies has to be developed for production of important crops to enhance its sustainability, productivity and profitability and mitigate adverse environmental impacts of intensive agriculture. Efforts are geared towards precision agriculture/smart farming, mechanization and application of nanotechnology in agriculture. Research areas include the development of appropriate smart farming technologies that focus on plant-driven crop management by monitoring soil, crop and climate in the field and providing a decision-support system in order to deliver appropriate irrigation and fertilizer inputs in real time. Mechanization components include the design, development and testing of improved farm tools, equipment and machineries for enhanced agricultural production efficiency and competitiveness. For nanotechnology applications, research components include development of nanobiosensors for early detection of various diseases and nanoadsorbents for mycotoxin detection. Availability of appropriate equipment, laboratories/research facilities and competent manpower is crucial in the attainment of desired R&D outputs/outcomes.	Nationwide		LFP	2018	2021	-	506,500,000.00	118,150,000.00	70,800,000.00	-	-	695,450,000.00
197	MIRDC-0023	Strengthening the Philippines' Agriculture and Fisheries Mechanization through Innovative Machineries and Equipment	DOST	MIRDC	Chapter 8	General Objective To strengthen the mechanization in agriculture and fisheries through the development of appropriate and efficient machineries. Specifically: 1. To develop and evaluate an indigenous aquaculture feed and aquaculture feed milling equipment for community level production. 2. To develop machineries for small rice farm and other agricultural applications 3. To develop machineries for the mechanization of sugarcane farm activities and processing of product	Nationwide		TBD	2018	2020	-	55,150,000.00	79,850,000.00	37,700,000.00	3,094,000.00	-	175,794,000.00
198	DA-0061	ACPC- Policy Formulation, research and advocacy, monitoring and evaluation of credit policies, plans and programs and capacity building	DA	ACPC	Chapter 8	Empower the rural finance sector by facilitating institutional capacity-building programs for countryside financial institutions(CFIs), including cooperatives and other people's organizations as well as for their farmer and fisherfolk members. ACPC's ICB programs are aimed at strengthening the capacity of CFIs in accessing and efficiently managing credit funds.	Interregional	CAR, Region I, Region II, Region III, Region IVA, Region IVB, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2022	11,000,000.00	100,000,000.00	25,000,000.00	12,000,000.00	12,000,000.00	19,000,000.00	179,000,000.00
199	DA-0147	National Dairy Authority - Dairy Enterprise Development Program	DA	NDA	Chapter 8	The main objective is to ensure the marketability of locally produced milk and the viability and sustainability of local dairy enterprises. Continuous education and training of participant dairy farmers in technical and enterprise management will equip dairy farmers in the management of their dairy business. Efforts to gain market access in both commercial and social markets must be pursued to ensure the marketability of locally produced milk. Milk marketing activities and information campaign are conducted that will promote local milk and milk products while milk feeding activities are conducted to advocate the consumption of local milk that assures market for our local farmers' milk produce.	Interregional	CAR, Region I, Region II, Region III, Region IVA, Region IVB, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2022	5,975,000.00	24,748,450.00	31,480,850.00	39,473,125.00	40,600,000.00	40,800,000.00	183,077,425.00
200	DA-0155	Production Support Services (PSS)- Climate Smart Animal Facilities, Waste Management	DA	PCC	Chapter 8	Upgrade of facilities to adapt to the changes of climate and effective waste management	Interregional	Region I, Region II, Region III, Region IVA, Region IVB, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII	LFP	2017	2022	3,365,000.00	30,000,000.00	31,000,000.00	31,000,000.00	35,000,000.00	50,000,000.00	180,365,000.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

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			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)		
201	DA-0114	BSWM- Application of Space Technology in Agricultural Resource Assessment to Promote Sustainable Growth and Food Security in Central Luzon, Philippines	DA		Chapter 8	The project aims to a) generate the current edition of the NPAAAD Map Region 3 and thereby improve the sharing of information to the public and enhance the service delivery in support to the goals and strategies of the PDP 2010-2016, particularly in the use of ICT; b) support the DA-BSWM which is tasked primarily to undertake the mapping of NPAAAD (Network of Protected Areas for Agricultural and Agro-Industrial Development) using advanced spatial technologies to ensure that lands are efficiently and sustainably utilized for food and non-food production and agro-industrialization, and c) ensure the efficient utilization of land and promote sustainable growth toward poverty eradication and food security.	Region-Specific	Region III	TBD	2018	2019	-	104,400,000.00	88,650,000.00	-	-	-	-	193,050,000.00	
202	DA-0098	Local Meat Establishment Assistance Program	DA		Chapter 8	Rehabilitation/ Construction of Poultry Dressing Plant (PDP)/ Slaughterhouse with meat Cutting Plant (MCP). This project provides postharvest facility other than slaughter to address the needs of the poultry industry in the region.	Nationwide		LFP	2017	2022	65,568,000.00	150,600,000.00	-	-	-	-	-	216,168,000.00	
203	DA-0014	Various Water Resources Projects	DA		Chapter 8	These are services involving the operation, and maintenance of irrigation systems and the necessary rehabilitation, restoration and extension works to maximize irrigation services and benefits to clientele; and services focused on construction, installation, and rehabilitation of small-scale irrigation projects/systems.	Nationwide		LFP	2017	2022	-	218,000,000.00	1,500,000.00	-	-	-	-	219,500,000.00	
204	DA-0161	Market Development Services (MDS)- Milka Krem (with Processing plant, refrigerated vans) in Major Market Island Grids (Pampanga, Davao, Cebu, San Fernando, La Union, Isabela, Bacolod, CDO)	DA	PCC	Chapter 8	A business hub that aims to promote dairy as an excellent source of nutrition.	Interregional	Region I, Region II, Region III, Region VI, Region VII, Region X, Region XI	LFP	2018	2022	-	10,000,000.00	20,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	50,000,000.00	180,000,000.00	
205	DA-0123	BSWM- Updating of the Network of Protected Areas for Agriculture and Agro-Industrial Development (NPAAAD) and Strategic Agriculture and Fisheries Development Zone (SAFDZ)	DA		Chapter 8	The project on land resources and land use assessment is deemed to provide important data and information that would be utilized in the identification of suitable land use with site-specific productivity optimization strategies and soil conservation requirements	Nationwide		TBD	2018	2024	-	63,108,362.00	60,743,290.00	62,327,290.00	62,327,290.00	-	-	248,506,232.00	
206	DA-0042	BSWM- Implementation of Sustainable Land Management (SLM) Practices to Address Land Degradation and Mitigate Effects of Drought	DA		Chapter 8	The project will focus principally at the systematic and institutional levels, and hence strengthen the enabling regulatory, institutional and financial framework that would govern efforts to address land degradation in the Philippines. It will mainstream Sustainable Land Management (SLM) policies and programs into the development plans of LGUs through the guidance of Government agencies such as Department of Agriculture, Department of Environment and Natural Resources, Department of Agrarian Reform, Department of Interior and Local Government and Housing and Land Use Regulatory Board to strengthen complementation among these government institutions concerned with land degradation and ensure that the incidence and spread of land degradation in vulnerable ecosystems will be avoided and/or reduced. The project is expected to improve the land productivity and socioeconomic well-being of small farmers.	Interregional	Region VIII, Region X	ODA-UNDP	2016	2018	104,183,112.00	67,119,360.00	-	-	-	-	-	171,302,472.00	
207	PCAARRD-0048	Reinvigorating the Philippine Coconut Industry through Coconut Somatic Embryogenesis Technology	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Mass propagation and pilot utilization of plumule-derived plantlets of Tall and Dwarf coconut varieties through CSet for Batangas and Quezon ; 2) Mass propagation and pilot utilization of plumule-derived plantlets of Tall and Dwarf coconut varieties through CSet for Laguna, Rizal and Cavite; 3) Mass propagation of plumule-derived plantlets of Tall and Dwarf coconut varieties through CSet for Region VI, VII, and VIII ; 4) Mass propagation of plumule-derived plantlets of Tall and Dwarf coconut varieties through CSet for Davao Oriental and Davao del Norte; 5) Mass propagation and pilot utilization of plumule-derived plantlets of Tall and Dwarf coconut varieties through CSet for Albay, Camarines Sur, and Masbate; 6) Mass propagation and pilot utilization of plumule-derived plantlets of Tall and Dwarf coconut varieties through CSet for Camarines Norte, Catanduanes and Sorsogon; 7) Mass propagation and pilot utilization of plumule-derived plantlets of Tall and Dwarf coconut varieties through CSet for Zamboanga del Norte, ARMM and Region XII; 8) Nursery Establishment and distribution of coconut seedlings in Mindanao; and Project Management Coordination.	Interregional	Region IVA, Region V, Region VI, Region VII, Region VIII, Region IX, Region XI, Region XII, ARMM	LFP	2014	2019	45,043,029.04	27,488,903.00	26,552,131.00	-	-	-	-	-	99,084,063.04
208	DA-0164	Production Support Services - Creation of New PCCenter in Region 5	DA	PCC	Chapter 8	Intensification of the implementation of the CDP in Bicol Region that has 10.14% share of the carabao population	Region-Specific	Region V	LFP	2017	2022	-	-	80,000,000.00	80,000,000.00	80,000,000.00	80,000,000.00	80,000,000.00	320,000,000.00	

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
209	DA-0127	Integrated and Sustainable Marine Farming System in the Kalayaan Island Group	DA	BFAR	Chapter 8	The project aims to develop the Kalayaan Island Group into a profitable reef-farm areas where evident large reef and shoals have lagoons that are good for seaweed culture, fish caging and other mariculture investments	Region-Specific	Region IVB	TBD	2018	2021	-	123,250,000.00	123,250,000.00	123,250,000.00	-	-	369,750,000.00
210	DAR-0005	Public-Private Partnership for SPOTs Sustainability	DAR		Chapter 8	The Project intends to provide follow-up support to the facilities provided under the Solar Power Technology Support Project Phases 1 & 2 implemented from CY 2001 - CY 2008 and ensure the operation and continued maintenance of said facilities through the private partner partnership between and among the DAR, UNDP through GEF, Local Government Units, and identified solar power companies within the specific Agrarian Reform Communities and re-ignite agri-related economic activities.	Nationwide		ODA-UNDP	2018	2020	-	135,000,000.00	225,000,000.00	90,000,000.00	-	-	450,000,000.00
211	DA-0156	DA - Regional Field Office IVB - Establishment of Mindoro Multi Grains Processing Center	DA		Chapter 8	Establishment of Rice Processing Center and Corn Processing Plant.	Region-Specific	Region IVB	TBD	2018	2020	-	125,000,000.00	125,000,000.00	125,000,000.00	125,000,000.00	-	500,000,000.00
212	DA-0001	DA-CAR-Integrated Natural Resources and Environmental Management (DA-CAR-INREM) Project	DA		Chapter 8	The Project aims to help reduce poverty in selected highland barangays in the Cordillera within the Chico River Basin through the provision of Agri-Infra Support.	Region-Specific	CAR	ODA-ADB	2018	2020	-	119,537,000.00	398,666,000.00	12,451,600.00	-	-	530,654,600.00
213	DOST-0020	Controlled Environment Studies on the Impacts of Climate Change and Other Stressors on Agriculture, Environments and Natural Resources	DOST		Chapter 8	The project will develop a state-of-the-art controlled environment research facility that will generate information on the responses of selected valuable crops, Livestocks, fisheries, and marine resources, important wildlife resources, and pests and diseases to climate change and other stressor through studies that will be conducted by other projects such as MODECERA, INWARD and SARAI.	Region-Specific	Region IVA	LFP	2016	2019	90,000,000.00	250,000,000.00	200,000,000.00	-	-	-	540,000,000.00
214	PCAARRD-0124	Emergency Programs/Projects/ Activities	DOST	PCAARRD	Chapter 8	The project ensures the ability to support S&T Programs/Projects/Activities which needs immediate attention/action (e.g. implementation of a project to address outbreaks of plant/animal diseases)	Interregional	NCR, Region III, Region IVA, Region IVB, Region VI	LFP	2017	2022	32,387,749.00	30,400,000.00	28,880,000.00	27,436,000.00	-	-	119,103,749.00
215	DA-0079	RFOXII-The Project for Community Development in Conflict affected Areas in Mindanao	DA		Chapter 8	The project will construct and rehabilitate farm-to-market roads (FMRs) in the three sites in Mindanao. The project focuses on FMRs which was as essential economic infrastructure to develop the rich agricultural potential in the Bangsamoro. This will enhance the economic well-being of target communities by improving market access through rehabilitation of rural roads. The proposed construction and rehabilitation of FMRs will contribute to livelihood improvement in terms of improving the transport of agricultural products and increase in job opportunity for local farmers. Roads to be constructed shall meet standard specification in Japanese Grant aid with consideration of national geographic and social condition.	Region-Specific	Region XII	ODA-JICA	2017	2022	550,000,000.00	-	-	-	-	-	550,000,000.00
216	DA-0152	CHARM2 Scaling Up	DA		Chapter 8	The Project aims to help reduce poverty in selected 18 highland poor barangays in the Cordillera through projects and activities as described in column 10. The Project is an IFAD-GOP funded with counterpart coming from LGUs for rural infrastructure sub-projects. However, the Project's Financing Agreement is still pending for negotiations between IFAD and the National Government through the DOE.	Region-Specific	CAR	ODA-IFAD	2017	2018	503,847,000.00	97,238,000.00	-	-	-	-	601,085,000.00
217	ARMM-1251	Establishment of Major Commodities Processing Plants	ARMM		Chapter 8	Establishment of processing plants for crude palm oil, seaweed, rubber, and coco coir. There are 4 components/sub-projects under this project, namely: (i) Coco Coir Processing Plant; (ii) Rubber Processing Plant; (iii) Crude Palm Oil Processing Plant; and (iv) Seaweed Processing Plant	Region-Specific	ARMM	LFP	2018	2019	-	217,500,000.00	392,500,000.00	-	-	-	610,000,000.00
218	DA-0130	Bureau of Animal Industry - Quarantine Services	DA		Chapter 8	The NVQSD plays a vital role in the implementation of statutory mandate of BAI to prevent and control the entry of dangerous and communicable animal diseases through the adoption animal health measures and quarantine inspection system. Thus, maintenance of checkpoints is crucial to prevent the spread of disease outbreaks. This project proposal is geared towards improving disease prevention and control by means of close monitoring of animal, animal product and by-product movement and containment of a disease crisis. Modernization of the current system of securing permits to transport animals, animal products and by-products will enhance the delivery of services to the public. The online application and issuance of local shipping permits will provide faster processing/turn-around time, 24/7 access, immediate confirmation and tracking number, ability to attach supporting documents, and ease of submitting multiple applications.	Nationwide		LFP	2017	2022	237,165,000.00	120,090,000.00	88,125,940.00	103,988,610.00	122,706,560.00	144,793,741.00	816,869,851.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
219	DA-0107	Capability building of clients - conduct of training	DA	PCC	Chapter 8	Employment of different extension modalities that aims to transfer the PCC technologies to Clients	Interregional	Region I, Region II, Region III, Region IV, Region IVB, Region VI, Region VII, Region VIII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII	LFP	01-01-2017	12-31-2022	14,690,000.00	16,159,000.00	17,774,900.00	19,552,390.00	21,507,629.00	23,658,391.90	113,342,310.90
220	DA-0076	Implementation of Various Market Development Services	DA		Chapter 8	These are services focused on the provision/facilitation of activities and services that support or promote the entry, sale, or consumption of agricultural and fishery products and by-products in domestic and international markets.	Nationwide		LFP	2017	2022	245,787,000.00	625,712,031.00	91,320,961.00	91,996,376.00	98,213,202.04	105,101,838.00	1,258,131,408.04
221	DA-0109	Promotion of carabao-based products and increase in the demand for carabao based products.	DA	PCC	Chapter 8	Enterprise build up of carabao based products that provides sustainable income among the clients.	Interregional	Region I, Region II, Region III, Region IV, Region IVB, Region VI, Region VII, Region VIII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII	LFP	01-01-2017	12-31-2022	14,078,000.00	15,485,800.00	17,034,380.00	18,737,818.00	20,611,599.80	22,672,759.78	108,620,357.58
222	DA-0057	Rehabilitation / Improvement of the Zamboanga Fish Port Complex	DA	PFDA	Chapter 8	Rehabilitation / improvement of the existing post-harvest facilities in the Zamboanga Fish Port Complex (ZFPC)	Region-Specific	Region IX	LFP	2018	2020	-	1,387,168,470.00	-	-	-	-	1,387,168,470.00
223	DA-0055	Expansion/Upgrading/Improvement of the General Santos Fish Port Complex	DA	PFDA	Chapter 8	Expansion/Rehabilitation/improvement of the existing post-harvest facilities in the General Santos Fish Port Complex	Region-Specific	Region XII	LFP	2018	2020	-	1,500,000,000.00	-	-	-	-	1,500,000,000.00
224	DA-0082	Dynamic Conservation and Sustainable Use of Agro-Biodiversity in Traditional Agro-Ecosystems of the Philippines (GCP/PHI/O62/GFF)	DA		Chapter 8	The project will conserve globally important agrobiodiversity (of rice, mungbean, taro, yam, banana, Manila hemp and others) in traditional agro-ecosystems. It will have an agro-ecosystem and landscape perspective, maintaining the provision of ecosystem services on which ABD conservation depends, and addressing threats originating in the broader landscape. It will help ensure favorable policy conditions; consolidate community-based governance; strengthen technical and organizational capacities at individual and community levels; promote market-based incentives for ABD conservation; and create condition for further nationwide replication.	Interregional	CAR, Region XII	ODA-FAO	2016	2019	30,409,799.00	27,202,472.00	23,154,550.00	-	-	-	80,766,821.00
225	DA-0178	Special Area for Agricultural Development (SAAD) (Ongoing LFP)	DA		Chapter 8	The project intends to alleviate poverty through increased food production and productivity in the target areas by providing the appropriate technology, financing, marketing and other support services in order to make the farmers and fisherfolk productive and profitable.	Nationwide		LFP	2017	2022	721,268,000.00	1,515,157,990.00	-	-	-	-	2,236,425,990.00
226	DA-0053	Implementation of Various Extension Support, Education and Training Activities	DA		Chapter 8	These are services for providing training, information, advisory and other extension support services provided by the department, to improve the technical, business and social capabilities of farmers and fisherfolk and other clients along the value chain.	Nationwide		LFP	2017	2022	319,389,081.00	918,165,970.00	383,092,888.00	336,190,256.00	255,686,262.00	347,625,519.00	2,560,149,976.00
227	DA-0176	Philippine Fiber Industry Development Authority - Philippine Fiber Industry Development Program	DA	PhilFIDA	Chapter 8	Development of the fiber industry through the following components: i. Production Support Services (with total cost from 2017-2022 of PHP 2,108,696,409.99); ii. Extension, Support, Education and Training Services (with total cost from 2017-2022 of PHP 453,111,731.24); and iii. Research and Development (with total cost from 2017-2022 of PHP 623,247,473.38).	Nationwide		LFP	2017	2022	222,939,000.00	2,024,866,500.00	227,399,140.00	231,947,122.80	236,586,065.26	241,317,786.56	3,185,055,614.62
228	DA-0163	Enhancement of the Sericulture industry in the Philippines	DA	PhilFIDA	Chapter 8	The proposed project will enhance the sericulture activities in the Philippines includes the following components: 1. Cocoon production and silkworm rearing (Expansion of 390Ha mulberry farms in 5 years; Institutional support for cocoon and silk production; Provision of 1000 rearing houses and 3,120 rearing implements in five years; Silkworm egg breeding and multiplication; and upgrading/rehabilitation and operationalization of existing filature facilities); 2. Capability building for sericulture farmers; 3. Implementation of regulatory measures; 4. Market linking and 5. Project management and evaluation	Interregional	CAR, Region I, Region II, Region VI, Region VIII	LFP	2018	2022	-	36,040,000.00	20,000,000.00	20,000,000.00	10,000,000.00	10,000,000.00	96,040,000.00
229	DA-0168	Research and Development-IT-based Disease Surveillance System, Mobile Animal Diagnostic & Screening Lab	DA	PCC	Chapter 8	Mobile laboratory equipped with technical instruments that can reach the clients	Interregional	Region I, Region II, Region III, Region IV, Region IVB, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII	LFP	2017	2022	-	15,000,000.00	20,000,000.00	20,000,000.00	20,000,000.00	20,000,000.00	95,000,000.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
230	DA-0009	ATI-Malitubog-Maridagao Irrigation Project Phase II (Agricultural Component)(Mal-Mar)	DA		Chapter 8	With the constantly increasing population in the Philippines that leads to the continuous struggle to meet the domestic demands of rice production, provision of farmer's need-based necessities are one of the key to maximized rice production. To address the need to increase rice yield in the MMIP area, the project will implement major interventions in rice areas in Region XII & ARMM to toughen farmers' food security, poverty alleviation, and climate risk resilient. The major interventions are as follows: 1. Agriculture and Fishery policy Services 2. Provision of training and training-related events 3. Technology demonstration establishment. 4. Provision of Farm Production Input Assistance (FPIA)	Interregional	Region XII, ARMM	LFP	2016	2018	30,896,000.00	33,986,000.00	-	-	-	-	64,882,000.00
231	DA-0067	SOCKSARGEN Integrated Food Security Program (SOCKSARGEN)	DA		Chapter 8	The SOCKSARGEN Integrated Food Security Program is an integrated development program aimed at increasing the volume of production and improving production efficiency through construction and upgrading of rural and key transport infrastructure and logistics, and provision of agricultural support facilities and services in strategic agricultural and fishery zones.	Region-Specific	Region XII	LFP	2004	2022	580,368,799.00	703,656,211.00	714,486,446.00	777,780,564.00	820,545,270.00	897,389,976.00	4,494,227,266.00
232	DA-0052	Implementation of Various Agricultural Research and Development Activities	DA		Chapter 8	These are formal studies that are supported and conducted/funded for a particular duration to: a) generate new knowledge, information, or innovation; b) enhance or improve the existing scientific knowledge base; or c) generate practical applications of the existing scientific knowledge base.	Nationwide		LFP	2017	2022	692,048,000.00	1,068,056,592.00	714,940,024.00	709,048,213.00	680,159,160.00	690,976,853.00	4,555,228,842.00
233	DA-0004	National Organic Agriculture Program	DA		Chapter 8	Continue the promotion, propagation, and strengthening the organic agriculture sector in the Philippines towards a competitive, and sustainable organic industry able to participate in the national, regional, and international trade. Components of the program include: i. Production Support Services (PSS) for the promotion and development of Organic Agriculture; ii. Market Development Services (MDS) for the promotion and development of Organic Agriculture; iii. Extension Support, Education and Training Support Services (ESETS) for the promotion and development of Organic Agriculture; iv. Research and Development (R&D) for the promotion and development of Organic Agriculture; v. Irrigation Network Planning and Contract Management Services for the promotion and development of Organic Agriculture; and vi. Provision of Agricultural Equipment and Facilities (PAEF) for the promotion and development of Organic Agriculture.	Nationwide		LFP	2017	2022	817,936,000.00	840,398,000.00	857,384,840.40	914,594,375.22	981,463,696.94	1,019,994,792.76	5,431,771,705.32
234	DA-0146	Philippine Agricultural Modernization Project	DA		Chapter 8	The project aimed at improving farm productivity and competitiveness through the promotion of farm mechanization	Nationwide		ODA-JICA	2018	2022	-	1,277,097,200.00	1,277,097,200.00	1,277,097,200.00	1,277,097,200.00	1,277,097,200.00	6,385,486,000.00
235	ARMM-1164	Support to Agrarian Reform Communities: Program for the Enhancement of Agriculture towards Community Empowerment (P.E.A.C.E.)	ARMM		Chapter 8	Inspired by the positive feedback of the ARCESS (Agrarian Reform Community Connectivity and Economic Support Services) program and the HDAP (Humanitarian Development Action Plan) in ARMM, the Program for the Enhancement of Agriculture for Community Empowerment or simply P.E.A.C.E was crafted as a proposal to address poverty not only within the agrarian reform communities (ARCs) but within the whole of the Autonomous Region in Muslim Mindanao (ARMM). P.E.A.C.E basically is an ARCESS specifically for ARMM. It is a holistic and strategic support services delivery mechanism to ARCs and ARAs in ARMM that would contribute to the overall goal of rural poverty reduction especially within the agrarian reform areas in ARMM.	Region-Specific	ARMM	LFP	2018	2020	-	1,856,165,100.00	2,170,540,000.00	2,503,803,092.00	-	-	6,530,508,192.00
236	DA-0047	Construction of laboratories, admin buildings and research stations (General Management and Supervision)	DA		Chapter 8	The general management and supervision consists of activities involving the provision of overall administrative management support to the entire agency operation. This includes construction, improvement, rehabilitation, and restoration of DA units' facilities such as administration building, research stations, and laboratories, among others, to improve delivery of service to agriculture and fisheries stakeholders.	Nationwide		LFP	2017	2022	1,820,593,000.00	1,436,341,725.15	1,011,035,950.00	883,878,380.00	987,449,518.00	1,046,007,569.80	7,185,306,142.95
237	DA-0125	Research and Development-Ex situ Animal Conservation Sanctuary, Livestock Quarantine Station	DA	PCC	Chapter 8	Establishment of ex situ conservation of native carabaos that will serve as a source of genetics for drafts.	Interregional	Region III, Region VII	LFP	2017	2022	4,100,000.00	15,000,000.00	15,000,000.00	15,000,000.00	15,000,000.00	15,000,000.00	79,100,000.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
238	DA-0119	BSWM - Establishment of Philippine Soil and Land Resources Information System (PhilSLRIS): ICT tool for the Integration, Management, and Dissemination of Philippine Soil and Land Resources Data	DA		Chapter 8	The project aims to establish a web-based GIS system for the management and dissemination of soil and land resources information data holding of the BSWM. Establishing such system will improve access of several thematic data to wider audience, including local policy makers in far flung areas of the country.	Interregional	CAR, Region II, Region IVA, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, ARMM	TBD	2018	2020	-	55,000,000.00	16,000,000.00	6,500,000.00	-	-	77,500,000.00
239	NDC-0003	Davao Food Complex Project	DTI	NDC	Chapter 8	The DFC Project will involve development of the 20-ha. NDC property in Toril, Davao City into an agri-industrial estate with tourism component that includes food processing centers for fruits, vegetables, and marine products; cold storage/warehousing facilities; technology/business incubation center; tourism component zone that will showcase the fresh fruits and marine products of Davao Region, high-end and "dampa-type" restaurants, festival marketplace, recreation parks, and food retail outlets; agri-aqua culture for ornamental fish and hatchery facility; and water-filtration and bottling facility for potable water-related enterprises. Construction of civil works will be implemented in 18 months. Concession period will be for 25 years, but may be extended for another 25 years.	Region-Specific	Region XI	JV	2018	2019	6,500,000.00	708,000,000.00	302,000,000.00	-	-	-	1,016,500,000.00
240	DA-0059	Upgrading / Rehabilitation of Navotas Fish Port Complex	DA	PFDA	Chapter 8	Upgrading/rehabilitation of the existing post-harvest facilities in the Navotas Fish Port Complex (NFPC)	Region-Specific	NCR	LFP	2018	2020	-	10,639,986,807.80	-	-	-	-	10,639,986,807.80
241	DA-0154	National Dairy Authority - Dairy Regulatory Program	DA	NDA	Chapter 8	The National Dairy Authority, by virtue of RA 10611 otherwise known as the Food Safety Act of 2013 and its IRR's, is one of the duly mandated Food Safety Regulatory Agencies. Preparations are being done for the enforcement of milk safety standards through the construction and enhancement of milk laboratories. Once all preparations are in place, dairy farms and milk facilities will be audited.	Interregional	CAR, Region I, Region II, Region III, Region IVA, Region IVB, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII	LFP	2017	2022	19,000,000.00	13,125,000.00	13,875,000.00	11,925,000.00	7,000,000.00	6,000,000.00	70,925,000.00
242	DA-0135	Promotion of Azolla as Biofertilizer for Flooded Rice and High Protein Feedstuff for livestock and Aquaculture	DA		Chapter 8	The proposed project aims to Strengthen the Department of Agriculture's organic agriculture and poverty alleviation programs in rice farming communities through adoption of azolla technology which: (i) increases supply of nitrogen for rice, and (ii) provides natural food for livestock, poultry, and aquaculture.	Interregional	CAR, Region VIII, Region XVIII, Region IX, Region XII, ARMM	TBD	2018	2022	-	14,000,000.00	14,000,000.00	14,000,000.00	14,000,000.00	14,000,000.00	70,000,000.00
243	DA-0162	PCAF-Planning, monitoring and knowledge management	DA		Chapter 8	Planning, monitoring and knowledge management	Interregional	CAR, Region I, Region II, Region III, Region IVA, Region IVB, Region V, Region VI, Region VII, Region VIII, Region XVIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2022	9,000,000.00	10,000,000.00	10,000,000.00	12,000,000.00	14,000,000.00	15,000,000.00	70,000,000.00
244	BCDA-0002	Clark Green City (CGC) Food Processing Terminal and International Food Market	BCDA		Chapter 8	Food terminal with cold chain processing plant, fresh food market, demo farms and other agricultural processing (post-harvest, storage and handling) facilities.	Region-Specific	Region III	PPP	2018	2022	-	-	2,000,000,000.00	5,000,000,000.00	5,000,000,000.00	8,000,000,000.00	20,000,000,000.00
245	PCAARRD-0207	Improvement of Coconut Varieties through Genomics, Genetics and Breeding for a Competitive and Sustainable Philippine Coconut Industry	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Biomarker Development and Molecular Mapping for Coconut Genetic and Varietal Improvement ; 2) Marker-assisted breeding in coconut targeting productivity and major industrial traits; 3) QTL mapping in coconut for high yield outstanding quality of copra oil and other coconut majoy by-products; 4) Development of web-based breeding resource and Eco-TILLING towards insect resistance breeding; 5) Project Management and Coordination; and 6) Gene Expression Analyses for Oil Biosynthesis, Makapuno and LonoTraits.	Interregional	NCR, Region IVA	LFP	2014	2019	21,463,360.00	20,335,977.00	-	-	-	-	41,799,337.00
246	DA-0179	Special Area for Agricultural Development (SAAD) (ODA)	DA		Chapter 8	The project intends to alleviate poverty through increased food production and productivity in the target areas by providing the appropriate technology, financing, marketing and other support services in order to make the farmers and fisherfolk productive and profitable.	Nationwide		TBD	2019	2022	-	-	4,854,118,834.00	5,240,124,304.00	5,361,430,048.00	5,484,967,743.00	20,940,640,929.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in Php Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
247	DA-0071	National High Value Crops Program	DA		Chapter 8	High Value Crops Development Program (HVCDP) is in line with the Republic Act 7900 (High Value Crops Development Act of 1995). This is an act to promote the production, processing, marketing and distribution of high value crops. HVCDP is a priority program of the Department of Agriculture created to help address food security, poverty alleviation and sustainable growth through increased farm income and productivity. The target service areas include convergence areas, strategic production zones and farm households. These areas need the interventions from the government in terms of production, extension, processing, marketing and regulatory support. The program is implemented yearly with a coverage of implementation down to barangay levels. The budgetary allocation for the implementation of PAP for the HVCDP is taken from the GAA with a cost sharing arrangement scheme. A specific guidelines in the PAPs implementation is being followed by the DA RFUs together with partner implementers.	Nationwide		LFP	2017	2022	3,968,179,000.00	3,086,395,000.00	3,753,281,483.60	3,981,594,022.62	4,000,392,979.48	4,139,454,875.05	22,929,297,360.75
248	DA-0086	National Fisheries Program	DA	BFAR	Chapter 8	The Bureau of Fisheries and Aquatic Resources of the Department of Agriculture, through its National Fisheries Program implements different projects and programs that helps to improve the lives of the fisherfolks, prevent, deter and eliminate all forms of illegal, unregulated and unreported fishing and ensure the management and sustainability of fisheries resources.	Nationwide		LFP	2017	2022	-	7,011,387,000.00	9,727,650,000.00	8,018,000,000.00	6,291,680,000.00	136,590,000.00	31,185,307,000.00
249	DA-0159	PCAF-Development and coordination of agriculture and fishery policies	DA		Chapter 8	Development and coordination of agriculture and fishery policies	Interregional	CAR, Region I, Region II, Region III, Region IV, Region V, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2022	9,000,000.00	9,000,000.00	9,000,000.00	9,000,000.00	9,000,000.00	9,000,000.00	54,000,000.00
250	DA-0129	Enhancing/Improving PhilRice Seed Warehouse for prolonging shelf life and maintaining quality of rice seeds	DA		Chapter 8	The project aims to improve seed warehouse in order to maintain quality of rice seeds and prolong its shelf life.	Interregional	Region I, Region II, Region III, Region IV, Region V, Region VI, Region VII, Region VIII, Region IX, Region XII, Region XIII	TBD	2018	2021	-	13,250,000.00	13,250,000.00	13,250,000.00	13,250,000.00	-	53,000,000.00
251	PCAARRD-0102	Conservation, Improvement and Profitable Utilization of the Philippine Native Pigs	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Organized breeding and selection for the establishment of breeding true to type native pig populations in the Cordillera Administrative Region, Cagayan Valley, Calabarzon and Mimaropa regions and 2) Local resource-based free range production management protocols and systems for breeder and slaughter native pigs; and Program Monitoring and Coordination.	Interregional	CAR, Region II, Region IV, Region IVB	LFP	2014	2020	9,609,420.50	7,887,484.00	3,029,122.75	-	-	-	20,526,027.25
252	DA-0105	Bureau of Plant Industry - Enhancing Food Testing Capabilities in the Philippines (formerly Safe Produce for Export)	DA		Chapter 8	The project aimed at securing food safety by improving post-harvest management system and enhancing food testing/inspection capabilities of the country.	Interregional	Region X, Region XI	ODA-Korea	2018	2020	-	34,500,000.00	8,105,898.00	8,105,898.00	-	-	50,711,796.00
253	PCAARRD-0023	National Dairy Goat S&T Program	DOST	PCAARRD	Chapter 8	This includes the following projects: 1) DG performance analysis and identification of managements options for improved productivity; 2) Application of breeding methods for DG herd build-up in the countryside; 3) Enhancing milk production thru Indigofera supplementation; and 4) Development of diagnostic and management protocols for intramammary infections in goats. This program hopes to: enhance the laboratory facilities of ISU and DA-RFO 8 for efficient processing of goat semen for AI; conduct capability building activities for researchers, farmer-cooperators and AI technicians; establish farm-level semen processing laboratories for community-based upgrading of stocks and enterprise building; and roll-out the AI technology for dairy goat production; and 2) validate the feeding value of Indigofera to dairy goats and other dual purpose breeds.	Interregional	Region II, Region III	LFP	2014	2017	4,215,732.90	-	-	-	-	-	4,215,732.90

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			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
254	PCAARRD-0167	Post Harvest Program for Sustainable, High Quality and Safe Mussel Products	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Evaluation of depuration and relaying technologies for Philippine green mussel at higher loading capacity; 2) Evaluation of mussel longline culture technology in non-traditional areas; 3) Revitalizing the Abaca Industry through S&T Interventions for Higher Crop Productivity Using High-Yielding and Virus-Resistant Abaca Hybrids; 4) Mapping the Distribution of Abaca Bunchy Top in Different Cropping Systems and Analyzing Epidemic Risks in the Zamboanga Peninsula; 5) Advanced Evaluation of Abaca Hybrids with High Fiber Yield and Resistance to Bunchy Top Virus Selected Areas in Catanduanes, Bicol; 6) Establishment of Ten Hectares Abaca Hybrid Plantation at VSU and Evaluation of Fiber Quality for the Pulp Industry; and 7) Development of Depuration and Relaying Techniques for Philippine Green Mussels.	Interregional	Region VI, Region VIII	LFP	2016	2018	22,633,186.00	15,327,077.00	-	-	-	-	37,960,263.00
255	DA-0142	Farmers Organizational Development	DA	NTA	Chapter 8	This project include the continuing registration of farmers, strengthening farm clusters, organizationa development and livelihood assistance, to enable the farmers to bcome self-reliant, foo secured and become active partners of development.	Interregional	CAR, Region I, Region II	LFP	2017	2022	7,500,000.00	7,500,000.00	7,500,000.00	7,500,000.00	7,500,000.00	7,500,000.00	45,000,000.00
256	DA-0139	Farm Tractor Assistance Project (FTAP)	DA	NTA	Chapter 8	In support to the Food Sufficiency Program of the DA, the project proposes to provide modern farm machinery and implements that will boost tobacco/rice production. Provision of farm tractors to enable farmers to cope up with farming schedules during the peak of the planting season. It is aimed at increasing the yield and quality of tobacco production.	Interregional	CAR, Region I, Region II	LFP	2018	2018	-	40,000,000.00	-	-	-	-	40,000,000.00
257	PCAARRD-0192	Innovative systems in advancing technology-based goat production	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Breeding and selection protocols leading to the establishment; 2) Development of non-invasive pregnancy detection kit for goat; and 3) Roll-out of technology- based options in Region 1,2,3,5,7,8,10,11,12 and CAR.	Interregional	CAR, Region I, Region II, Region III, Region V, Region VII, Region VIII, Region X, Region XI, Region XII	LFP	2017	2020	7,731,018.00	10,444,370.00	10,558,926.00	4,980,882.00	-	-	33,715,196.00
258	PCAARRD-0021	Improving Productivity and Local Utilization of Mungbean	DOST	PCAARRD	Chapter 8	The project aims to improve the existing mungbean seed system (both the formal and informal systems),to develop hermetic seed storage technologies and improve the quality of farm-saved seeds for increased production and farmers' income; It also aims to sustain availability of high quality seeds of improved mungbean varieties in major growing areas in Regions 2,3, 6 and 11. Includes the following projects: 1) PMC; 2) Development of Varieties for Drought and Shade Tolerance; 3) Improvement of Mungbean Seed Production and Management System in Region 2, 3, 6 & 11; 4) Improvement of Integrated Crop Management System for Mungbean; 5) Multi-location Trials of Oligo-carrageenan for Improved Productivity of Mungbean and Peanut in Regions II, III, VII, and X	Interregional	Region II, Region III, Region VI, Region XI	LFP	2015	2018	13,608,741.00	11,017,219.00	-	-	-	-	24,625,960.00
259	PCAARRD-0134	Enhancing the Productivity and Marketability of Queen Pineapple	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Comparative Field Performance of Tissue Culture Derived Plantlets and Suckers of Queen Pineapple; 2) Assessment and Variability in Growth, Yield and Biochemical Characteristics of Queen Pineapple (Ananas comosus var. comosus) Populations in Camarines Norte and Leyte; 3) Optimization of Planting Density Regulation for Queen Pineapple in Intercropped System; 4) Development of Site-specific Integrated Pest Management of Queen Pineapple under different cropping schemes in Region 8 and Region 5; 5)Development of Various Products from Queen Pineapple Wastes; 6) Evaluation of Queen Pineapple Grade Standards and Assessment of Implementation and Compliance in Camarines Norte as Basis for Policy Reforms and Formulations; and Program Management and Coordination (PMC).	Interregional	Region V, Region VIII	LFP	2016	2019	8,770,610.00	3,350,387.00	1,413,993.00	-	-	-	13,534,990.00
260	PCAARRD-0103	Citrus Resources Research for Development in Cagayan Valley (CRR4DCV)	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Value Chain Analysis for Citrus in Cagayan Valley project; 2) Genebank and Database Profile of Citrus Genetic Resources; 3) Establishment of Quality Planting Materials Production System for Citrus in Nueva Vizcaya; and 4) Development of Pests and Diseases Management Systems for Sustainable Citrus Production in the Philippines.	Interregional	Region II, Region III	LFP	2016	2019	6,276,409.00	6,928,696.00	5,771,448.00	-	-	-	18,976,553.00
261	DA-0113	Research and Development-Establishment/Improvement of Research Facilities on Dairy breed development,Genetic traceability system, Carabao Museum, Milk Lab and Office Building)	DA	PCC	Chapter 8	Establishment of the laboratory that will hasten breed development and improvement through the application of molecular genetics and other reproductive biotechniques. Also, a laboratory that will create milk and milk based products standards.	Interregional	Region I, Region II, Region III, Region IV, Region IVB, Region VI, Region VII, Region VIII, Region IX, Region X, Region XI, Region XII, Region XIII	LFP	2017	2022	4,800,000.00	4,100,000.00	4,100,000.00	4,100,000.00	4,100,000.00	4,100,000.00	25,300,000.00
262	PCAARRD-0072	SOYBEAN NEW PROGRAM/ PROJECTS (for Packaging)	DOST	PCAARRD	Chapter 8	The project aims to study packaging of soybean	Interregional	Region III, Region IVA	LFP	2017	2020	5,000,000.00	5,000,000.00	5,000,000.00	10,000,000.00	-	-	25,000,000.00

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			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
263	PCAARRD-0168	R&D Program on Potato	DOST	PCAARRD	Chapter 8	R&D Program on Potato	Interregional	NCR, Region IVA	LFP	2017	2020	6,000,000.00	8,000,000.00	6,000,000.00	5,000,000.00	-	-	25,000,000.00
264	DA-0151	Continuing Exercise of Regulatory Authority under existing laws	DA	NTA	Chapter 8	This program involves the exercise of regulatory authority of the NTA, to include the supervision of tobacco trading operations, monitoring/ supervision and regulatory procedures on the re-drying, preliminary processing of tobacco leaf; it also covers the setting up of floor prices for tobacco through the conduct of tripartite conference.	Interregional	CAR, Region I, Region II	LFP	2017	2022	3,306,000.00	3,306,000.00	3,306,000.00	3,306,000.00	3,306,000.00	3,306,000.00	19,836,000.00
265	PCAARRD-0191	Integrated and Sustainable Development Program for the Shrimp Industry.	DOST	PCAARRD	Chapter 8	Project 8. Biocontrol against EMS/AHPND causing agent using saline tilapia greenwater, immunostimulants and microbial floc Project 7. Pathobiology and development of molecular detection kits for EMS/AHPND Project 6. Technology Transfer and Adoption of Developed LAMP-WSSV Assay to Shrimp Farmers Project 5. Improvement of the reproductive performance of captive Penaeus monodon	Interregional	Region III, Region VI	LFP	2015	2018	8,533,522.00	2,537,082.00	-	-	-	-	11,070,604.00
266	PCAARRD-0165	R&D Program on Tomato	DOST	PCAARRD	Chapter 8	To develop R&D on tomato	Interregional	Region I, Region IVA	LFP	2017	2020	3,000,000.00	6,000,000.00	5,000,000.00	3,000,000.00	-	-	17,000,000.00
267	PCAARRD-0029	Integrated and Sustainable Development Program for the Shrimp Industry	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Biocontrol against EMS/AHPND causing agent using saline tilapia greenwater, immunostimulants and microbial floc; 2) Fish Kill Mitigation Measures for Cage Aquaculture Systems in Buh Lake and Magat Reservoir; and 3) Improvement of the reproductive performance of captive Penaeus monodon. The first project involves developing holistic approaches including ecosystem management biocontrol strategies involving the use of tilapia green water, biofloc culture systems and manipulation of larval shrimp immune responses with the use of immunostimulants to manage the outbreak of EMS in the country. The third project aims: a) To improve performance of domesticated males by nutritional manipulation , b) To improve formulated diets for domesticated female shrimp broodstock , and c) To identify environmental factors that may affect percentage maturation, fertilization rate, and hatching rate of domesticated broodstock.	Interregional	NCR, Region VIII	LFP	2015	2018	5,116,664.00	2,537,082.00	-	-	-	-	7,653,746.00
268	DA-0134	Establishment of Weaving and Processing Centers	DA	PhilFIDA	Chapter 8	The Weaving and Processing Centers serves as venue for income generating activities which will convert fibers into a product identified as One Town One Product (OTOP) in each municipalities	Interregional	CAR, Region VI, Region VII, Region IX, Region XI	LFP	2016	2022	-	2,400,000.00	2,448,000.00	2,496,960.00	2,546,899.20	2,597,837.18	12,489,696.38
269	PCAARRD-0201	Cacao Pest Management Program: Biological-Based Approaches	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Extraction and Evaluation of Pheromones and Kairomones as Potential Monitoring and Managing Tool Against Cacao Insect Pests: Pod Borer and Mirid Bug; 2) Exploration, Identification, Mass Rearing and Field Release of the biological Control Agents Against Cacao Pod Borer and Cacao Mirid Bug; 3) Biological Control and Development of Nano-BioSensor for Fungal Diseases of Cacao; and 4) Particle Film Technology as Coating Agent and Carrier of Mycoparasites for the Control of Insect Pests and Diseases Attacking Cacao Pods.	Interregional	NCR, Region IVA	LFP	2016	2018	6,474,023.00	-	-	-	-	-	6,474,023.00
270	PCAARRD-0117	Development of Robust Tools for Managing Sardine Fisheries in the Philippines: Zamboanga Upwelling-Bohol Sea System	DOST	PCAARRD	Chapter 8	Includes the Molecular technology-based assessment of the sustainability of sardine fisheries project	Interregional	Region VII, Region IX	LFP	2014	2017	1,610,105.00	-	-	-	-	-	1,610,105.00
271	PCAARRD-0194	Innovative Systems in Advancing Halal Goat Production in Region 12 and ARMM	DOST	PCAARRD	Chapter 8	Project 1. Development of LAMP Assay and Quick Test Kit for Haram Project 2. Establishment of Halal Goat Enterprises thru the FLS-Halal GEM in Region XII Project 3. Institutionalizing Innovations on Halal Goat Production, QA and Processing thru Policy and Marketing Schemes	Interregional	Region XII, ARMM	LFP	2016	2018	3,934,572.00	1,756,634.00	-	-	-	-	5,691,206.00
272	PCAARRD-0058	Optimum Fertilization to Enhance Yield and Quality of Fresh Durian in Southern Philippines	DOST	PCAARRD	Chapter 8	The project aims to study the optimum Fertilization to Enhance Yield and Quality of Fresh Durian in Southern Philippines.	Interregional	Region X, Region XI, Region XII, Region XIII, ARMM	LFP	2017	2020	2,857,865.60	2,570,865.00	4,071,548.40	1,357,182.80	-	-	10,857,461.80

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			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
273	PCAARRD-0051	S&T-Based Sweetpotato Value Chain Development for Food in Tarlac, Albay, and Typhoon Yolanda-Affected Areas in Leyte and Samar	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Support Systems for Sweetpotato Value Chain Development; 2) Sweetpotato Value Chain Development for Food in Tarlac; 3) Sweetpotato Value Chain Development for Food in Albay, and Program Management and Coordination (PMC). 1. To improve the design and implementation of the SP value chain through geo-referenced mapping and scenario analysis. 2. To improve the viability of the SP value chains through continuing R&D for innovations in production (aeroponics system), product development, mechanized processing systems, and consumer and market research. 3. To strengthen capacities of partners, sustain partnerships and contribute to an enabling policy environment and the provision of Business Development Services (BDS).	Interregional	Region III, Region V, Region VIII	LFP	2016	2018	5,199,448.00	5,285,448.00	-	-	-	-	10,484,896.00
274	PCAARRD-0188	Multilocation Trials of Promising Cacao Clones in the Philippines	DOST	PCAARRD	Chapter 8	To conduct multilocation trials of promising cacao clones in the Philippines	Interregional	Region IVA, Region V, Region X, Region XI	LFP	2017	2019	2,500,000.00	2,500,000.00	2,112,000.00	-	-	-	7,112,000.00
275	PCAARRD-0183	Reinvigorating the Philippine Coconut Industry through the Coconut Somatic Embryogenesis Technology (CSET) - Program Management and Coordination	DOST	PCAARRD	Chapter 8	Includes the Nursery establishment and distribution of coconut seedlings in Mindanao project.	Interregional	Region IVA, Region V, Region VI, Region VII, Region VIII, Region IX, Region XI, Region XII, ARMM	LFP	2017	2019	1,381,558.00	2,606,662.00	2,572,228.00	-	-	-	6,560,448.00
276	DA-0141	Continuing Research and Development, and Implementation of Pioneering Ventures	DA	NTA	Chapter 8	The continuing development and commercialization of the other industrial uses of tobacco to increase its utility, create new / expand demand and there augment farmers income, save and earn dollars, create new business activities / employment, and increase revenue for the government and to serve as safety nets of any eventuality that may arise due to aggressive global anti-smoking campaign.	Interregional	CAR, Region I, Region II	LFP	2017	2022	1,080,000.00	1,080,000.00	1,080,000.00	1,080,000.00	1,080,000.00	1,080,000.00	6,480,000.00
277	PCAARRD-0189	Multi-location Trials of Oligo-carrageenan for Improved Productivity of Mungbean and Peanut in Regions II, III, VII, and X	DOST	PCAARRD	Chapter 8	In general, the project aims to increase crop yield, reduce damages due to insect pests and diseases, and sustain the availability of quality seeds of mungbean and peanut in major growing areas in Regions 2,3,7 and 10 through foliar application of oligo-carrageenan as plant bio-stimulant. Specifically, the project aims to: 1. To determine the effects of oligo-carrageenan on insect pest infestation (pod borer and cutworm) and disease infection (Cercospora leaf spot and rust) on mungbean and peanut; 2. To determine the effects of inoculant; fertilizer and oligocarrageenan on the production time or cropping cycle of mungbean and peanut 3. To evaluate the stability and efficacy of oligo-carrageenan on mungbean and peanut as plant bio-stimulant after storage (3 months to 1 year) under ambient room conditions; 4. To promote the use and application of oligo-carrageenan as plant bio-stimulant for mungbean and peanut and a new Package of Technology (POT) for farmers' adoption in Regions 2,3,7 and 10; and 5. To register the carrageenan as plant bio-stimulant for mungbean and peanut with FPA.	Interregional	Region II, Region III, Region VII, Region X	LFP	2016	2018	3,100,552.00	2,179,248.00	-	-	-	-	5,279,800.00
278	DA-0138	Dairy Enterprise Development Program for Agrarian Reform Communities (ARCs)	DA	NDA	Chapter 8	The project aims to : 1. To capacitate and empower Agrarian Reform Communities (ARCs) through the provision of farm based trainings in dairy farming and other related dairy enterprise; 2. To provide ARCs with funding support and other logistics related to dairy farming 3. To enhance agricultural productivity through mobilization of supplies and equipment to sustain livelihood of target beneficiaries; 4. To provide better livelihood opportunities, thus increasing livelihood income and improvement of quality of life.	Interregional	Region II, Region III, Region X, Region XI, Region XII	LFP	2019	2019	-	-	5,519,875.00	-	-	-	5,519,875.00
279	PCAARRD-0178	Agronomic Performance and Feeding Value of Mulato II and Mombasa Grasses for Dairy Cattle	DOST	PCAARRD	Chapter 8	To study the agronomic performance and feeding value of Mulato II and Mombasa grasses for dairy cattle	Interregional	Region III, Region IVA	LFP	2016	2018	724,046.15	1,090,569.00	-	-	-	-	1,814,615.15
280	PCAARRD-0081	Understanding asset reform in Philippine Agriculture and its implication to more equitable and sustainable development	DOST	PCAARRD	Chapter 8	To study the asset reform in Philippine Agriculture and its implication to more equitable and sustainable development.	Interregional	NCR, Region IVA, Region IVB	LFP	2017	2018	1,500,000.00	3,500,000.00	-	-	-	-	5,000,000.00
281	PCAARRD-0095	Assessment of policies on the production, harvesting and transport of ITP products	DOST	PCAARRD	Chapter 8	To assess the policies on the production, harvesting and transport of ITP products	Interregional	Region II, Region III, Region X, Region XII	LFP	2017	2018	4,000,000.00	1,000,000.00	-	-	-	-	5,000,000.00

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282	PCAARRD-0170	Potato Seed Production through Aeroponics (Phase I: Technology Development)	DOST	PCAARRD	Chapter 8	The general objective of the project is to develop a low-cost technology aeroponics system for clean white potato seed production. Its specific objectives are to: 1) design an aeroponics facility (greenhouse and mist system) specific for potato seed production; 2) To formulate a nutrient solution most suitable for highland potato seed production; 3) To determine the best planting material for aeroponics potato seed production system; and 4.)To compare aeroponics potato seed with conventionally-produced potato seed in farm trials.	Interregional	Region IVA, Region X	LFP	2014	2017	1,846,078.60	-	-	-	-	-	1,846,078.60
283	PCAARRD-0092	Artificial Insemination as a Tool in Conservation, Sustainable Breeding and Utilization of Philippine Native Chicken	DOST	PCAARRD	Chapter 8	To study the effectiveness of artificial insemination as a tool in conservation, sustainable breeding and utilization of Philippine Native Chicken	Interregional	Region VI, Region IX	LFP	2015	2017	1,654,995.00	-	-	-	-	-	1,654,995.00
284	PCAARRD-0044	Pilot Testing of WiltCure as a Biopesticide against Fusarium and Bacterial Wilt of Solanaceous Plants in Three Regions of Luzon, Philippines	DOST	PCAARRD	Chapter 8	To mass produce formulated biopesticide (Wiltcure); To test the biocon agent in vegetable production areas in 3 regions; and To apply for patent, trademark and FDA registration	Interregional	Region IVA	LFP	2017	2018	2,400,000.00	2,570,000.00	-	-	-	-	4,970,000.00
285	PCAARRD-0138	Establishment of Dairy Cattle Foundation Breeder Herd Thru ET Using Imported Pedigreed Frozen Embryos	DOST	PCAARRD	Chapter 8	To Establish Dairy Cattle Foundation Breeder Herd Thru ET Using Imported Pedigreed Frozen Embryos	Interregional	NCR, Region III	LFP	2016	2018	1,004,887.60	467,828.60	-	-	-	-	1,472,716.20
286	PCAARRD-0085	Utilization of plant-based natural anti and pro-oxidants for farmed tilapia	DOST	PCAARRD	Chapter 8	The project will produce plant-based products a anti and pro-oxidants for farmed tilapia	Interregional	Region II, Region III	LFP	2016	2018	1,779,879.16	-	-	-	-	-	1,779,879.16
287	PCAARRD-0063	Pilot Testing of Nutrio as Biofertilizer for Improved Production of Sugarcane (Saccharum officinarum) in Regions II, III and VI	DOST	PCAARRD	Chapter 8	The project aims to pilot test the Nutrio as Biofertilizer for Improved Production of Sugarcane (Saccharum officinarum) in Regions II, III and VI	Interregional	Region II, Region III, Region VI	LFP	2017	2018	2,600,000.00	2,000,000.00	-	-	-	-	4,600,000.00
288	PCAARRD-0111	Development of Broodstock and Hatchery Technologies for the Tropical Oyster Crassostrea iredalei (Faustino, 1932) in the Philippines	DOST	PCAARRD	Chapter 8	Includes the following projects: 1) Broodstock Management and Conditioning for the Oyster Crassostrea iredalei; 2) Refinement of the Larval, Post-Larval and Nursery Rearing Techniques for Crassostrea iredalei to Produce Quality Seeds; and 3) Genetic Characterization and Selective Breeding of Slipper-Shaped Oyster, Crassostrea iredalei.	Interregional	NCR, Region VI	LFP	2014	2017	939,454.50	-	-	-	-	-	939,454.50
289	PCAARRD-0077	System Establishment for the Production of Conventional Vegetables	DOST	PCAARRD	Chapter 8	The project aims to study the establishment of system for the Production of Conventional Vegetables	Interregional	Region IVA, Region IVB	LFP	2017	2018	2,000,000.00	2,500,000.00	-	-	-	-	4,500,000.00
290	PCAARRD-0160	Soybean production comparative advantage study	DOST	PCAARRD	Chapter 8	To establish soybean production comparative advantage	Interregional	NCR, Region IVA	LFP	2017	2018	2,000,000.00	2,500,000.00	-	-	-	-	4,500,000.00
291	PCAARRD-0146	Field Verification Testing of Carrageenan Plant Food Supplement Technology for Enhanced Growth and Induced Pest and Disease Resistance in Rice in Regions 2 and 3	DOST	PCAARRD	Chapter 8	Field Verification Testing of Carrageenan Plant Food Supplement Technology for Enhanced Growth and Induced Pest and Disease Resistance in Rice	Interregional	Region II, Region III	LFP	2016	2018	1,832,550.00	1,407,290.40	-	-	-	-	3,239,840.40
292	PCAARRD-0031	Development and application of symbiotic-enriched fish feeds for improved production performance of milkfish (Chanos chanos) towards sustainable aquaculture and food security	DOST	PCAARRD	Chapter 8	Includes the In vivo evaluation and pilot testing of symbiotic-enriched feeds as alternative approach to improve health and growth performance of milkfish project. It aims to test the effects of feeds supplemental with symbiotics (pro-plus pre-biotics) to improve health, immune status, and growth performance of milkfish (chanos chanos). Specifically, the study aims to determine optimum combination s of probiotics and prebiotics that will best improve growth, survival immune status, and disease tolerance of milkfish, conduct further assessments of gut microbiota, enzyme activity in fish digestion tract and digestibility parameter tests to elucidate the biological activity of the symbiotic products in vivo, and perform pond-scale pilot testing using the symbiotic enriched feeds to produce marketable milkfish.	Interregional	Region IVA, Region IVB	LFP	2016	2018	949,124.00	-	-	-	-	-	949,124.00
293	PCAARRD-0070	Socio economics of farm mechanization	DOST	PCAARRD	Chapter 8	The project aims to study the socio economics of farm mechanization.	Interregional	NCR, Region IVA, Region IVB	LFP	2017	2018	2,000,000.00	2,000,000.00	-	-	-	-	4,000,000.00
294	PCAARRD-0185	Role of small producer groups in marketing agricultural commodities	DOST	PCAARRD	Chapter 8	To study the role of small producer groups in marketing agricultural commodities.	Interregional	NCR, Region IVA	LFP	2017	2018	2,000,000.00	2,000,000.00	-	-	-	-	4,000,000.00
295	DA-0153	DA-RFO XI- Acquisition of Remotely Piloted Aircrafts (RPAs) with Rapid Mobile Deployment Platform for Disaster Risk Reduction and Management	DA		Chapter 8	The project shall acquire new technologies for precision agriculture in the form of an unmanned aerial system with mobile deployment is essential. This shall help in the preparedness and response planning activities to effectively set intervention measures to affected farmers and communities based on the four thematic areas stated in Republic Act 10121 namely; Prevention and Mitigation, Preparedness, Response and Rehabilitation and, Recovery.	Region-Specific	Region XI	LFP	2018	2018	-	7,982,400.00	-	-	-	-	7,982,400.00
296	PCAARRD-0157	Improved Grow Out Technology for a Sustainable Mussel Industry	DOST	PCAARRD	Chapter 8	includes the Transplantation and Spatfall Determination of Green Mussel, Perna viridis project	Interregional	Region II, Region IVA, Region VIII	LFP	2014	2017	917,895.00	-	-	-	-	-	917,895.00

**List of Priority Programs and Projects in the 2017-2022 Public Investment Programs (PIP)*
Chapter 8: Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)**

Nr	Project Code	Project Title	Implementing Agencies		PDP Chapter	Description	Spatial Coverage		Mode of Implementation	Implementation Period		Investment Targets (in PHP Exact Amount)						
			Mother Agency	Attached Agency			Main	Region		Start	End	2017	2018	2019	2020	2021	2022	Total (2017-2022)
297	DENR-0093	Technology Adoption on Proper Harvesting and Utilization of Philippine Cinnamon	DENR		Chapter 8	The Technology Adoption on Proper Harvesting and Utilization of Philippine Cinnamon is a two-year collaborative research project of the DENR and DOST-FPRDI. Two (2) project sites are considered for this study namely: a) Mt. Labo, Brgy. Baay, Labo, Camarines Norte where a 20-ha cinnamon plantation have been established in the CBFM area of the Baay Upland Farmers Association, Inc. (BUFAI) and b) Mt. Lantoy, Argao and Boljoon Cebu, where cinnamon trading is a common practice. The study has three (3) major components: 1) Bark stripping and callusing study; 2) Market and value chain mapping; and 3) Characterization of cinnamon oil. The project is envisioned to provide a safe and sustainable bark extraction of cinnamon. This will harness cinnamon production as potential enterprise for upland communities and thereby reducing importation of cinnamon bark from other countries.	Interregional	Region V, Region VII	LFP	2016	2018	1,017,500.00	635,250.00	-	-	-	-	1,652,750.00
298	PCAARRD-0099	Boosting the Sugarcane Industry through Smart Farming Techniques	DOST	PCAARRD	Chapter 8	Includes the Development of Nanofertilizers for Sugarcane Production project	Interregional	NCR, Region III, Region IVA, Region VI	LFP	2014	2017	1,004,230.00	-	-	-	-	-	1,004,230.00
299	PCAARRD-0061	Pilot Testing of Actinomycete Biocontrol Agents (Acticon) Against Fusarium oxysporum TR4 in Cavendish Banana and Rhizoctonia solani in Corn	DOST	PCAARRD	Chapter 8	The project aims to pilot test the Actinomycete Biocontrol Agents (Acticon) Against Fusarium oxysporum TR4 in Cavendish Banana and Rhizoctonia solani in Corn	Region-Specific	Region XI	LFP	2017	2018	2,500,000.00	2,480,000.00	-	-	-	-	4,980,000.00
300	PCAARRD-0177	Pilot-testing of Pre- and Post Harvesting Facilities for Mango Production in Island Garden City of Samal (IGACOS)	DOST	PCAARRD	Chapter 8	To Pilot-test Pre- and Post Harvesting Facilities for Mango Production in Island Garden City of Samal (IGACOS)	Region-Specific	Region XI	LFP	2017	2018	2,310,484.00	1,500,000.00	-	-	-	-	3,810,484.00
301	PCAARRD-0130	Enhancing Quality Protein Maize Production, Storage and Utilization as Feed Grain	DOST	PCAARRD	Chapter 8	To enhance quality protein maize production, storage and utilization as feed grain	Interregional	Region X, Region XII	LFP	2013	2017	67,726.00	-	-	-	-	-	67,726.00
TOTAL												50,169,044,479.16	181,696,937,179.72	115,268,664,971.94	116,033,416,470.93	111,366,760,673.31	107,857,197,011.48	682,392,020,786.53

**Based on the agencies submission in the PIPOL System as of June 2017 and validation by the NEDA PIP Focals as of March 2018. Please note that the implementation mode, investment targets and other project details in the 2017-2022 PIP list may be updated at the time of publication.*