





Agency/Address	Project/Program/Activity Name	Location	Total Cost	Date Started	No. of Extension	Target Completion Date	Project Status			Remarks
							% Completion	Total Cost Incurred to Date	Total Cost Disbursed to Date	
PHILIPPINE CARABAO CENTER Science City of Muñoz Nueva Ecija	B. PROJECTS									
	1. LOCALLY FUNDED PROJECT									
	1.1 DOST funded projects:									
	<i>Reproduction & Physiology and Carabao-Based Enterprises</i>									
	a. Genome Analysis and Establishment of Germ Cell Cryopreservation Protocol for Philippine Natives Pigs.	Nationwide	2,299,900.00	April 1, 2018		March 31, 2020	64.05%	1,473,108.86	901,264.00	on-going
	1.1.1 DOST - PCAARRD funded projects:									
	<i>Productions System and Nutrition, and Others</i>									
	a. Enhancing Milk Production of Water Buffaloes Through S & T Interventions									
	<i>Production System & Nutrition</i>									
	1. Development of Feeding Protocols and Practices to Support the Nutrition Requirement of Dairy Buffaloes	Nueva Ecija & San Agustin, Isabela	12,387,058.82	Feb. 1, 2016	1	Oct. 31, 2019	100.00%	11,853,448.13	10,848,314.30	completed/Unexpended Balances will be returned to DOST-PCAARRD.
<i>Reproduction & Physiology</i>										
2. Development of Reproductive Management Program for Increased Efficiency of AI in Dairy Buffaloes	Nueva Ecija & San Agustin, Isabela	23,566,496.00	Feb. 1, 2016	1	Oct. 31, 2019	100.00%	22,240,818.06	20,041,714.73	completed/Unexpended Balances will be returned to DOST-PCAARRD.	
<i>Biosafety and Environment</i>										
3. Development of Health Care Technologies and Practical Farm Practices in Support of Increasing Buffalo Milk Production	Nueva Ecija & San Agustin, Isabela	11,558,771.24	Feb. 1, 2016	1	Oct. 31, 2019	100.00%	10,360,389.25	8,296,433.52	completed/Unexpended Balances will be returned to DOST-PCAARRD.	
<i>Product Development (Milk Processing Plant)</i>										
4. Milk Quality and Safety Assurance from Farm to Milk Processing Plant	Nueva Ecija & San Agustin, Isabela	9,967,548.56	Feb. 1, 2016	1	Oct. 31, 2019	100.00%	9,217,048.41	8,985,844.74	completed/Unexpended Balances will be returned to DOST-PCAARRD.	
<i>Carabao Based Enterprise Development (CBED)</i>										
5. Strengthening San Agustin Crossbred Carabao-Based Enterprise Development (CBED) Model	San Agustin, Isabela	10,120,377.61	Feb. 1, 2016	1	Oct. 31, 2019	100.00%	9,521,411.99	8,968,702.62	completed/Unexpended Balances will be returned to DOST-PCAARRD.	
<i>Reproduction & Physiology and Carabao-Based Enterprises</i>										
b. Establishment of Dairy Cattle Foundation Breeder Herd thru ET Using Imported Pedigreed Frozen Embryos.	Nationwide	3,043,299.30	Dec. 1, 2016	1	Nov. 30, 2019	100.00%	1,789,674.81	1,627,024.76	completed/Unexpended Balances will be returned to DOST-PCAARRD.	
c. Establishment of the Intellectual Property and Technology Business Management in the Philippine Carabao Center.	Nationwide	1,804,104.00	July 16, 2018		July 15, 2020	45.75%	825,434.70	545,981.74	on-going/with approved implementation letter.	
<i>Animal Breeding and Genomics</i>										
d. Development of Real-time Ultrasound Scanning and DNA Marker Selection Protocols for Meat, Carcass and Fertility Traits of Philippine Native Pig.	Nationwide	12,734,782.00	April 1, 2019		March 31, 2022	5.56%	708,093.95	572,643.08	on-going	
Sub-Total			87,482,337.53				79.48%	67,989,428.16	60,787,923.49	
Prepared by:  AIMEE T. FULGENCIO Budget Officer	Certified correct:  ANNABELLE S. SARABIA Chief, Research and Development Division	Certified correct:  CHERRY PEARL C. RIVERA Accountant III	Approved:  ANNEL N. DEL BARRIO Executive Director							

PROJECTS

For the 4th Quarter, CY 2019

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PHILIPPINE CARABAO CENTER Science City of Muñoz Nueva Ecija	1.2 Department of Agriculture (DA) funded project									
	1.2.1 Biotechnology Projects									
	a.Department of Agriculture (DA) - BAR									
	Production System & Nutrition									
	1. Nutritive Value, Digestibility and Performance of Buffaloes using Banana By-Products and Water Lily as Alternative Feed Sources	Nationwide	4,218,032.60	April 1, 2017	2	Dec. 31, 2018	82.90%	3,496,889.00	2,919,769.25	on-going/with request for extension.
	2. Development of Sustainable Rice Straw Management Practices and Technologies for Ruminant Fodder in the Philippines (RiceStrawPH) - PCC Component.	Nationwide	5,822,400.00	April 1, 2018		March 31, 2020	62.14%	3,618,163.45	3,033,218.59	on-going
	Reproduction & Physiology and National Impact Zone									
	3. Utilization of Epididymal Sperm of Slaughtered Livestock for Basic Research using Assisted Reproductive Techniques (ART's).	Nationwide	4,479,356.80	Jan. 1, 2018	1	June 30, 2020	68.00%	3,045,782.21	2,729,204.25	on-going/with approved extension letter.
	b.Department of Agriculture (DA) - BAR through the DA Biotech Program (LBC)									
	Biosafety and Environment									
1. Strengthening and Maximizing the Research Capability of the Livestock Biotechnology Center as Lead Coordinator of the Value Chain Based Livestock Biotechnology Research, Development and Extension Agenda".	Nationwide	18,298,631.60	Sept. 27, 2018		Sept. 26, 2020	56.24%	10,291,533.00	8,586,407.66	on-going	
2. Gene Expression Analysis and Detection of Heat Shock Protein (HSP70) and its Correlation with Buffalo Semen Quality and Seasonal Variation.	Nueva Ecija	5,305,200.00	Jan. 14, 2016	2	Oct. 13, 2019	95.19%	5,050,025.53	5,006,489.03	on-going/with request for extension.	
Reproduction & Physiology and National Impact Zone										
3. Improving Artificial Insemination Efficiencies Using Fertility Indexed Bulls Selected by Fourier Harmonic Analysis and Screened From Environmental Instabilities	Nueva Ecija	7,801,309.20	Nov. 1, 2014	3	Sept. 30, 2019	97.35%	7,594,200.34	7,408,828.46	on-going/with request for extension.	
Animal Genetic Resources Conservation and Utilization (Cryobanking)										
4. Genetic Diversity of the Philippine Carabao Using mtDNA (COI) and Microsatellite Markers (FAO STRs)	Nationwide	10,896,482.00	Oct 14, 2015	2	June 30, 2019	99.22%	10,811,320.68	10,761,568.59	on-going/with request for extension.	
1.2 National Dairy Authority (NDA) funded project										
1. Dairy Animal Buy-back Program	Nationwide	9,000,000.00	Jan. 1, 2018		Dec. 31, 2019	100.00%	8,797,900.00	8,797,800.00	completed/Unexpended Balances will be returned to National Dairy Authority.	
	Sub-Total		65,821,412.20				82.63%	52,705,814.21	49,243,285.83	
	Grand Total		153,303,749.73				81.06%	120,695,242.37	110,031,209.32	

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