



MAJOR PROGRAMS AND PROJECTS, FY 2025

I. REGULAR FUND

A. Research and Development (R&D)

Division/Title of Programs/Projects/Activities

AGRICULTURAL MECHANIZATION DIVISION
Continuing Projects
1. Design and Prototyping Services Unit
On-Going Projects
2. Enhancing Local Capability to Design, Develop and Manufacture Agricultural Machineries to Accelerate Mechanization of Philippine Agriculture
3. Design and Development of a Sugarcane De-Trasher and a Sugarcane Whole-Stalk Harvester
4. Improvement and Field Testing of PHilMech Depulper for Different Coffee Varieties
5. Improvement and Field Testing of Rice Straw Baling Machine
6. Design Improvement of the CVS-based Mango Sorting Machine for Scaled-up Operations
7. Design Modification of a Village-Scale Coconut Oil Expeller
New Projects
8. Development of Potato (<i>Solanum tuberosum</i> L.) Harvester for the Cordillera Administrative Region
9. Pilot Testing of Copra Moisture Meter
Completed Projects
10. Design and Development of Single Cylinder Gasoline Engine
11. Development of Adlai Grain Moisture Meter
12. Development of Mechanical Green Coffee Bean Sorter Prototype II
13. Modification and Field Testing of the PHilMech-Developed PTO-Driven Cultivator cum Weeder - Fertilizer Applicator for Sugarcane Farms
14. Improvement and Field Testing of PHilMech-Designed Mechanical Hole Digger
BIO-PROCESS ENGINEERING DIVISION
On-Going Projects
15. Development of Copra Drying System for Farmer-based Enterprise
New Projects
16. Design and Development of an Automated Cacao Bean Fermenter Cum Dryer
17. Dehydration and Processing of Selected Agricultural Crops
18. Production of Spray-Dried Coconut Skim Milk Powder
19. Development of Abaca Rope Processing System under village Level of Operation

Main Office: CLSU, Science City of Muñoz, Nueva Ecija, Philippines
Mobile Nos.: (+63) 917-800-4526/ (+63) 917-813-0852
Email: od@philmech.gov.ph

Liaison Office: 3rd Floor, ATI Bldg., Elliptical Road, Diliman, Quezon City
Telephone No.: (02) 7001-2107
Email: lo@philmech.gov.ph





Completed Projects
20. Design and Development of Salt Production System for Fertilizer Application
21. Development of Biodegradable Fruit Bag for Mango, Cacao, and Banana During the Fruit Development Stage
22. Utilization of By-Products and Wastes from Sweet Potato Production for Industrial Applications
FOOD PROTECTION DIVISION
On-Going Projects
23. Pesticide Resistance of Stored Product Insect and Mite Pests in the Philippines
24. Quality Assessment and Management Strategies in Maintaining the Quality and Safety of Dried and Smoked Fish Products in the Philippines
New Projects
25. Assessment of Fungi and Mycotoxin Associated in Corn, Rice, Cacao and Coffee Bean in the Philippines
Completed Projects
26. Biobanking of Stored Product Arthropods
27. Hazard Assessment on Imported Milled Rice
SOCIO-ECONOMIC POLICY RESEARCH DIVISION
On-Going Projects
28. Enhancing the Socio-Economic Viability of Mechanized Rice-based Farming System in the Philippines: RCEP Baseline and Impact Assessment
29. Assessing the Status of Mechanization of Major Vegetables in the Philippines
30. Value Chain Improvement of Calamansi in Major Areas in the Philippines
New Projects
31. Assessment of Paddy Postharvest Losses under Different Rice Mechanization Systems
Completed Projects
32. Value Chain Improvement of Carabao Mango in the Major Producing Areas in the Philippines
33. Establishment of Baseline Information on the Major Coconut Value Chains in Support to the CFIDP-SCPF Program
34. Value Chain Improvement of Onion in Major Producing Areas in the Philippines
35. Updating the Status of Corn Mechanization in the Philippines
LABORATORY SERVICES DIVISION
Continuing Projects
36. Implementation of Quality Assurance Program in LSD: Chemistry Laboratory Section
37. Provision of Regular Analytical Services
38. Implementation of Quality Assurance in Microbiological Laboratory
39. Cataloguing of Microbial Culture Collection

Main Office: CLSU, Science City of Muñoz, Nueva Ecija, Philippines
Mobile Nos.: (+63) 917-800-4526/ (+63) 917-813-0852
Email: od@philmech.gov.ph

Liaison Office: 3rd Floor, ATI Bldg., Elliptical Road, Diliman, Quezon City
Telephone No.: (02) 7001-2107
Email: lo@philmech.gov.ph





40. Wastewater Quality Analysis, Monitoring and Management at PHilMech
New Projects
41. Profiling and Screening of Toxigenic and Atoxigenic <i>Aspergillus flavus</i> Strains in Economically Important Crops
42. Development of In-House Reference Materials for Proficiency Test of Microbial Enumeration in LSD-Microbiological Laboratory
43. Screening of Epiphytic and Endophytic Microorganisms from Indigenous Philippine Banana Plants for the Control of Postharvest Diseases of Banana: Module 1 - in vivo and Module 2 - in vivo

B. Extension Support, Education, and Training Services (ESETS)

Division/Title of Programs/Projects/Activities

APPLIED COMMUNICATION DIVISION
Continuing Projects/Activities
1. Creating Awareness on Postharvest and Mechanization Through Print and the Audio-visual Media
2. Publishing Journals and Other Technical Publications of PHilMech
3. Development Support communication on Postharvest and Mechanization
4. Public Awareness Campaign on Postharvest Technology
5. Strengthening of the PHilMech-Scientific Literature Services
6. Development of Easy-to-Access Information Materials on Postharvest and Mechanization
7. Process Documentation and Packaging of PHilMech Success Stories
8. PHilMech Visitor's Bureau
9. Improving Access of Grassroots to Information and Technologies on Postharvest and Mechanization
10. Radyo-Agri 90.1 FM: On Air-Online PHilMech Radio Station
11. Youth for Mechanization (Y4M) Program
TECHNOLOGY MANAGEMENT & TRAINING DIVISION
Continuing Projects/Activities
12. Enhancing the Technical Capability of the Industry Stakeholders on Mechanization and Postharvest Technology for High Value Commodities
13. Technical Support to Intellectual Property Rights (IPR) Services
14. PHilMech Industrial Promotion (PIP)
15. Enhancing the Technical Capability of the Industry Stakeholders on Mechanization and Postharvest Technology for Rice
16. Enhancing the Technical Capability of the Industry Stakeholders on Corn and Cassava Mechanization and Postharvest Technology
17. Intensifying the Promotion and Adoption of PHilMech Generated Technologies aka

Main Office: CLSU, Science City of Muñoz, Nueva Ecija, Philippines
Mobile Nos.: (+63) 917-800-4526/ (+63) 917-813-0852
Email: od@philmech.gov.ph

Liaison Office: 3rd Floor, ATI Bldg., Elliptical Road, Diliman, Quezon City
Telephone No.: (02) 7001-2107
Email: lo@philmech.gov.ph





Technology Forum/ Demonstration of PHilMech Generated Technologies
18. Technical Support to Industry Manpower Development on Mechanization and Postharvest Technology
19. Establishment and Operationalization of the PHilMech Regional Technology Management and Demonstration Center (PRTMDC)
20. Strengthening PHilMech - Innovation and Technology Support Office (ITSO)
21. Assessment of the Effectiveness of Trainings Conducted by PHilMech (RCEF-RESP)
ENTERPRISE DEVELOPMENT DIVISION
<i>Continuing Projects/Activities</i>
22. Enhancing Entrepreneurial Capability of Postharvest and Mechanization Adopters/ Investors through the Provision of Business Development Services Cycle 2
23. Building Viable Techno-Based Enterprise Models
24. Provision of Technical Assistance for Postharvest Enterprise Development Project
25. Empowerment of Women as Frontliners in the Establishment of Sustainable Multi-Commodity Solar Tunnel Dryer (MCSTD) Based Enterprises in selected areas in the Philippines

C. Locally-funded Projects (LFP)

PROGRAM MANAGEMENT OFFICE
<i>Continuing Projects/Activities</i>
1. Establishment of Agricultural and Fisheries Postharvest Facilities

D. Administrative and Support

OFFICE OF THE DIRECTOR
<i>Continuing Projects</i>
1. Gender and Development
2. Establishment, Documentation, Implementation and Certification Facilitation of a Quality Management Program through an Integrated Management System IMS: ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007
<i>On-Going Projects</i>
3. Operations, Sustainability, National Programs Implementation of the Office of the Directorate for Operations of PHilMech
PLANNING MANAGEMENT AND INFORMATION TECHNOLOGY DIVISION
<i>Continuing Projects</i>
4. Establishment and Operationalization of the Agri-Fishery Mechanization and Engineering Resource Network (AFMechERN)

Main Office: CLSU, Science City of Muñoz, Nueva Ecija, Philippines
Mobile Nos.: (+63) 917-800-4526/ (+63) 917-813-0852
Email: od@philmech.gov.ph

Liaison Office: 3rd Floor, ATI Bldg., Elliptical Road, Diliman, Quezon City
Telephone No.: (02) 7001-2107
Email: lo@philmech.gov.ph





II. RICE COMPETITIVENESS ENHANCEMENT FUND (RCEF)

Division/Title of Programs/Projects/Activities

FACILITY MANAGEMENT AND FIELD OPERATIONS DIVISION
<i>On-going Program</i>
1. RCEF Mechanization Component/Program
APPLIED COMMUNICATION DIVISION
<i>On-going Sub-Program</i>
2. Strategic Communication Services (a.k.a Communication Support for the Rice Mechanization)
ENTERPRISE DEVELOPMENT DIVISION
<i>On-going Sub-Program</i>
3. Enterprise Development and Sustainability Support
TECHNOLOGY MANAGEMENT & TRAINING DIVISION
4. Technical Capability Enhancement

III. COCONUT FARMERS AND INDUSTRY DEVELOPMENT PLAN

Division/Title of Programs/Projects/Activities

COCONUT TRUST FUND - FIELD MANAGEMENT AND OPERATIONS DIVISION
1. Program Component 5: Integrated Coconut Processing and Downstream Products (Shared Facilities)
APPLIED COMMUNICATION DIVISION
2. Communication Support for the Establishment of Shared Facilities for the Coconut Farmers and Industry Development Program
3. Communication Support for the Establishment of Shared Facilities for the Coconut Trust Fund-Coconut Farmers and Industry Development Program (Information Dissemination)
ENTERPRISE DEVELOPMENT DIVISION
4. Enterprise Development Support Program (EDSP) for CFIDP-Shared Facilities for Processing (SFPs) Project 1: Provision of Technical and Support Services on Enterprise Development for CFIDP Shared Facilities for Processing (SFPs) for Coconut Products, Intercrops and Related By-Products
5. Enterprise Development Support Program (EDSP) for CFIDP-Shared Facilities for Processing (SFPs) Project 2: Enhancement of Entrepreneurial Capability of CFIDP Shared Facilities for Processing (SFPs) Recipients

Main Office: CLSU, Science City of Muñoz, Nueva Ecija, Philippines
Mobile Nos.: (+63) 917-800-4526/ (+63) 917-813-0852
Email: od@philmech.gov.ph

Liaison Office: 3rd Floor, ATI Bldg., Elliptical Road, Diliman, Quezon City
Telephone No.: (02) 7001-2107
Email: lo@philmech.gov.ph





6. Enterprise Development Support Program (EDSP) for CFIDP-Shared Facilities for Processing (SFPs) Project 3: Establishment of Sustainable Enterprises for CFIDP Shared Facilities for Processing (SFPs)

TECHNOLOGY MANAGEMENT & TRAINING DIVISION

7. Training Support to the Implementation of Integrated Coconut Processing and Downstream Products or Shared Facilities

Main Office: CLSU, Science City of Muñoz, Nueva Ecija, Philippines
Mobile Nos.: (+63) 917-800-4526/ (+63) 917-813-0852
Email: od@philmech.gov.ph

Liaison Office: 3rd Floor, ATI Bldg., Elliptical Road, Diliman, Quezon City
Telephone No.: (02) 7001-2107
Email: lo@philmech.gov.ph

