| No. | Project Title | Date Started | Completion Date | | Beneficiaries |
|------|---|---|-----------------|-------------|---|
| | | | Original | Revised | 2011011011010 |
| HEMI | CALS AND ENERGY DIVISION | | | | |
| 1 | RDA-CED-2021-02 Green Oils and Phytochemicals from Cashew, Pili, Tomato seeds and Rubber Seeds | 16-May-2021 | 15-May-2022 | 15-May-2024 | Growers and processors of cashew |
| 2 | RDA-CED-2021-04 Development of a PCR-based detection kit for Philippine Tomato Yellow Leaf Curl Virus (TYLCV) strains | 01-Jul-2021 | 31-Aug-2022 | 31-Aug-2024 | Agriculture sector Farmers producing tomatoes, beans, pepper, tobacco, cucumbers, and other important crops |
| 3 | RDA-CED-2021-05 Establishment of Fuel Cell R&D and Testing Facility | 1-Sep-2021 | 31-Aug-2023 | 31-Aug-2024 | Transportation sector General public |
| 4 | RDA-CED-2023-01 Generation of a Plant Virus Vector for Protein Expression and Functional Gene Analysis in Abaca and Banana (Year 1 of 3) | 1-Jan-2023 | 31-Dec-2023 | 31-May-2024 | Researchers Farmers producing Abaca and Banana Abaca Breeders Industry stakeholders |
| 5 | RDA-CED-2023-02 Biological Control Potential of Bacteriophage Cocktails for Bacterial Diseases of Papaya (Year 1 of 3) | 1-Jan-2023 | 31-Dec-2023 | 31-May-2024 | Industry stakeholders Farmers producing Papaya Phage researchers |
| 6 | RDA-CED-2023-03 Chemical Residue Profiling of Milkfish using XRF Technology | 1-Jan-2023 | 31-Dec-2023 | 31-May-2024 | Policy makers Small scale aquacultute sector Local barangays Fish consumers |
| 7 | RDA-CED-2023-04 Upscaled Production of Pectin from Calamansi Wastes | 1-Mar-2023 | 31-Mar-2023 | 29-Feb-2024 | Food industry Calamansi producers |
| 8 | RDA-CED-2023-05 Innovative Approach in Delivering Syringic Acid Using Metal Organic Framework as Drug Carrier | 18-Jul-2023 | 17-Jul-2024 | | Chemists Pharmacists/pharmacologists Academicians Clinicians Pharmaceutical industries Government agencies |
| 9 | RDA-CED-2023-06 Molecular Characterization & Biobanking of Vector-Borne and Respiratory Viruses for the Virology and Vaccine Institute of the Phil.(VRV-Biobanking) | Revised: 30-April- 2023 to 1-May-2024 (approved) | 31-Mar-2024 | 1-May-2024 | Healthcare sectors Hedical and Virological Researchers Local Government Units National Government Authorities Department of Health |
| 10 | RDA-CED-2023-07 Mycobacterium Tuberculosis EA12-Manila Strain-Derived Immunogenic Protein Subunits for TB Vaccine Development | 11-Jun-2023 | 10-Oct-2024 | | Clinicians Scientists People of the Philippines and the global community |
| 11 | RDA-CED-2023-08 Valorization of Post- Processing By-Products Generated from Industrial-Scale Production of Peanut Butter | 1-Oct-2023 | 1-Oct-2024 | | 1. Blessed Pamana Peanut Butter Manufacturing 2. Large-scale manufacturers with concerns on wastes and by- products 3. Food organizations and cooperatives 4. Peanut industry 5. Government R&D agencies involved in food processing 6. Academic institutions |
| 12 | RDA-CED-2024-01 Bench-Scale Monolaurin Production for Food Application | 18-Dec-2023 | 31-Mar-2025 | 17-Jun-2025 | 1. Food industries |
| 13 | RDA-CED-2024-02 Utilization of Banana Peel Wastes from Agro-Industrial Processing as Alternative Flour and Dietary Fiber Source and Its Applications | 1-Nov-2023 | 31-Oct-2025 | 31-Dec-2025 | Large-scale food manufacturers and other stakeholders in the agro- industrial processing industry |
| 14 | RDR-CED-2023-04 Development of a Laboratory Scale Process for the Monolaurin Synthesis using Various Basic Catalysts | 1-Jul-2023 | 31-Jun-2024 | | Coconut farmers Coconut Industry Pharmaceutical and food industry |

| No. | Project Title | Date Started | Comp | oletion Date | Beneficiaries |
|-------|---|-----------------|-------------|---|---|
| | • | | Original | Revised | |
| 15 | RDR-CED-2024-01 Synthesis of Nano-cellulose Fiber from Okara as Potential Component for Proton Exchange Membrane (PEM) in Fuel Cell | 1-Jan-2024 | 31-Dec-2024 | | Local taho/tofu producers, soybean/soymilk industry, formulation chemist, academe, research and development institutes and LGUs |
| 16 | RDR-CED-2024-02 Fabrication of Paper-based Microfluidic Colorimetric Sensor for Citronella Oil | 1-Jan-2024 | 31-Dec-2024 | | Lemon juice industries Pharmacists, chemists and other formulators Scientists, Researchers |
| 17 | RDR-CED-2024-03 Development of Sustained Release Essential Oil Based Polymeric Patch Formulation from Wastes of Citrus Limon and Citrus Grandia (L.,) Osbeck (Rutaceae) Peels as Mosquito Repellent | 1-Jan-2024 | 31-Dec-2024 | | Businessmen and women of the essential oils' producers and exporters in the country Farmers and land owners Paper-based microfluidic colorimetric sensor fabricators |
| 18 | RDR-CED-2024-04 Design of Sodium-Ion Battery using Renewable Materials for Solar PV System Energy Storage | 1-Jan-2024 | 31-Dec-2024 | | Local battery manufacturers Solar PV providers Local communities |
| ENVIR | ONMENT AND BIOTECHNOLOGY DIVISION | | | | |
| 19 | LFP-EBD-2021-01 Isolation and Purification of Philippine Common Viruses with Medical Importance and Pandemic Potential for Antigen-Antibody Studies | 1-Jul-2021 | 30-Jun-2022 | 30-Jun-2024 | General Public Pharmaceutical companies Hospitals Government regulators Poultry Farmers |
| 20 | LFP-EBD-2021-02 Combination Therapy: Lytic Bacteriophages and Plant Extracts against Multidrug-Resistant Bacteria | 1-Jul-2021 | 30-Jun-2022 | 30-Jun-2024 | Medical Institutions and pharmaceuticals Female and male researchers working on phage therapy |
| 21 | LFP-EBD-2021-03 Detection of food and water-borne bacterial pathogens using phage-based diagnostics | 1-Jul-2021 | 30-Jun-2022 | 30-Jun-2024 | Public Health Research/ Academe |
| 22 | LFP-EBD-2021-04 De novo synthesis of a non-Infective Flaviviridaepseudovirion: Initial development of a template for a safer conduct of Zika-related diagnostics research in the Philippines | 1-Jul-2021 | 30-Jun-2022 | 30-Jun-2024 | Diagnostics and vaccines developers. Male and female researchers are focused on the control and management of Flavivirus infections. The child-bearing population |
| 23 | LFP-EBD-2021-05 Development of a Real Time Polymerase Chain Reaction for Point of Need Detection for African Swine Fever Virus (ASFV) | 1-Jul-2021 | 30-Jun-2022 | 30-Jun-2024 | Philippine Pig Farmers Regulatory Agency like BAI |
| 24 | RDA-EBD-2022-01 Comparative Study Between Standard Methods and Philippine Made PM and CO Measuring Devices | 17-Jan-2023 | 16-Jan-2024 | Jan-2025 (for approval) | Filipino researchers working on air quality sensors and device development DENR and DTI Emission testing centers and industries |
| 25 | RDA-EBD-2022-02 Deployment of Drinking Water Treatment System for Selected Indigenous People (IP) Communities in the Province of Tarlac | 31-Jan-2022 | 31-Jan-2023 | Revision 1: 31-July- 2023 (approved) Revision 2: 31-January- 2024 (approved) | 1. LGUs in Tarlac |
| 26 | RDA-EBD-2022-05 Pilot Testing of the UpEDS | 1-Sep-2021 | 30-Aug-2022 | 31-May-2023 | Communities in Brgy. Sitio Bakal |
| 27 | RDA-EBD-2023-01 Mitigating Tannery Pollution in Meycauayan | 1-Jan-2023 | 31-Dec-2023 | 31-Jul-2024 with approved extension | Identified tanneries in |
| 28 | RDA-EBD-2023-02 Virtual Screening of Secondary Metabolites Derived from Philippine Medicinal Plants for Potential Antiviral Activity Against Pathogenic Swine Viruses | January 1, 2024 | 31-Dec-2024 | | Pig farmers Swine industry stakeholders Veterinary drug developers |
| 29 | RDA-EBD-2023-3 Computational Design of Multi-epitope Subunit Vaccines for Protection against Pathogenic Swine Viruses | 1-Feb-2023 | 31-Jan-2024 | | Pig farmers Swine industry stakeholders Veterinary vaccine developers |
| 30 | RDA-EBD-2024-02 Computational Design of Multi-epitope Subunit Vaccines for Protection against Pathogenic Swine Viruses - Year 2 | 1-Feb-2024 | 31-Jan-2025 | | Pig farmers Swine industry stakeholders Veterinary vaccine developers |

| No | Project Title | Date Started | Com | pletion Date | Beneficiaries |
|-----|---|--------------|-------------|--|---|
| No. | Project Title | Date Started | Original | Revised | Denericiaries |
| 31 | RDA-EBD-2023-05 Improving Sustainability & Ensuring Safety of DOST-Developed Solid Waste Management Technologies Adopted by CEST Communities in the NCR through Assessment of Composting Operation and Product Quality | 1-Jul-2023 | 30-Jun-2024 | | Fourteen (14) CEST Community Beneficiaries of DOST-ITDI Composting Technologies |
| 32 | RDA-EBD-2024-03 Generation of a Plant Virus Vector for Protein Expression and Functional Gene Analysis in Abaca and Banana | 1-Jan-2024 | 31-Dec-2024 | | Researchers Farmers producing Abaca and Banana Abaca Breeders Industry stakeholders |
| 33 | RDA-EBD-2023-06 Establishment of the Biodegrability, Eco-toxicity, and Compostability Testing Facility in the Philippines (BEC-lab) | 1-Dec-2023 | 30-Nov-2024 | 31-Mar-2029 | Packaging Industry, Plastic Manufacturers, Local Government Units, and Research Institutions The potential beneficiaries of this project are as follows: manufacturers of oxobiodegradable, bio-based packaging products, food packaging and household industries (biodegradable plastics), agriculture/crop industry (corn starch and agricultural wastes), solid waste management sector (minimization and utilization of solid waste), and plastics industries (production of biodegradable packaging materials). |
| 34 | RDA-EBD-2024-04 Development of a Vector- Based African Swine Fever Virus Vaccine Using a Hepatitis E Virus Nano Particle Platform Y1 | 1-Apr-2024 | 15-Dec-2028 | 31-Mar-2029 | Philippines swine industry Potential for regional (and maybe global) distribution Bioassets (Potential technology taker) |
| 35 | RDR-EBD-2020-03 Bioactive Substances from Actinomycetes Isolated from Different Sources Phase 2. Production, purification and characterization of the bioactive substances Phase 3 | 1-Jan-2020 | 31-Dec-2022 | 30-Jun-2023 31-March-2024 (approved) For extension until July 2024 (waiting for approval) | 1. Drug companies |
| 36 | RDR-EBD-2023-02 Utilization of Coffee Beans Waste for Enzyme Production Using Isolated Fungal Strains | 01-Jan-23 | 31-Dec-23 | 31-Mar-2024 | Enzyme manufacturers Coffee producers |
| 37 | RDR-EBD-2023-05 Development of Algal-Bacterial (ALBA) Wastewater Treatment System for Swine Industry (Phase 2) | 1-Jul-2023 | 30-Jun-2024 | 30-Jun-2024 | Hog raising industry |
| 38 | RDR-EBD-2023-06 Implementation of an Effective Solid Waste Management Program for ITDI: Part II - Formulation of SWM Plan and Site Identification and Design of Materials Recovery Facility | 01-Oct-23 | 30-Dec-24 | | DOST and its attached agencies 2. Other NGAs Other stakeholders on waste management and recycling |
| 39 | RDR-EBD-2022-07 Qualitative and Quantitative Assessment of Microplastics along the key sites of Laguna de Bay, Philippines | 1-Jan-2024 | 30-Jun-2024 | | General public LGU officials and policy makers Fisherfolk of Laguna de Bay Researchers |
| 40 | RDR-EBD-2022-06 Operation of the DOST Sewage Treatment Plan (STP) and Development of Strategies for Water Reuse | 1-Jan-2024 | 30-Jun-2024 | | DOST Community and Stakeholders of Laguna Lake, Pasig River and Manila Bay |

| No. | Project Title | Date Started | Comple Original | etion Date Revised | Beneficiaries |
|-----|---|--------------|--------------------|-----------------------|--|
| 41 | RDR-EBD-2024-01: Determination of prevalence of Per- and polyfluoroalkyl substances (PFAS) in groundwater resources in selected household communities in Laguna | 1-Jan-2024 | 31-Dec-2024 | Revised | 1. Community- awareness in the consumption of food and water contaminateed with PFAS 2. Researchers- provide baseline information on the presence of PFAS in groundwater resources within Calabarzon. Data can be the basis of other researchers in finding the solution to treat PFAS 3. LGU and government agencies- as reference in developing environmental policies and pollution management strategies; and if possible with the awareness of its sources, responsible production and consumption can be promoted. |
| 42 | RDR-EBD-2024-02: Detection and Monitoring of Chlorinated Ethenes and Organohalide Respiring Bacteria in the Philippine Water Bodies Year 1: Method validation of VOC determination in water samples using GCMS coupled with Headspace trap sampler | 1-Jan-2024 | 31-Dec-2024 | | The Laguna Lake sub-basins municipalities City Environment and Natural Resources Offices (CENRO), River Parks Authority (RPA) and Laguna Lake Development Authority (LLDA, Pasig River Rehabilitation Commission, Maynilad, Manila Water and the local government units and the locals residing in the study area) |
| 43 | RDR-EBD-2024-03: Utilization of Coffee Beans Waste for Xylanase Production Using Isolated Fungal Strains Year 2: Developing Xylanase Micro Bioreactor for Enzymatic Conversion of Coffee Beans Waste | 1-Jan-2024 | 31-Dec-2024 | | Manufacturing/Pharmaceutical Industry Di-Catalyst, B Meg, San Miguel Brewery, local Starbucks (also as possible partners/cooperators/adopters) Student and Professional researchers |
| 44 | RDR-EBD-2024-04: Improvement of Long-Term Preservation Protocols for Industrially Important EBD-ITDI Microbial Isolates | 1-Jan-2024 | 31-Dec-2025 | | Universities, industries and institutes that has culture collection |
| 45 | RDR-RBD-2024-05: Effects of Microplastics Colonization by Biofilm-forming Microorganisms: A Potential Biodegradation Activity or Risk of Antibiotic Resistance Genes Accumulation | 1-Jan-2024 | 31-Dec-2024 | | Researchers- provide baseline information on the abundance of different types of microplastics present in key sites of Laguna de Bay LGU and government agencies- as reference in developing environmental policies and pollution management |
| 46 | RDR-EBD-2024-06: Evaluate the Effectiveness of Different Constructed Wetland Systems in the Removal of Organic Matter from the Effluent coming from the DOST Sewage Treatment Plant (STP) to Improve its Potential for Reuse | 1-Jul-2024 | 31-Dec-2025 | | 1. DOST Agencies- particularly ITDI, FNRI, TAPI, STII, PCIEERD, SEI, DOST-CO, DOST-NCR, Heritage, DOST-PCHRD 2. Public and private company/individual that will adopt the system |
| 47 | PROCESSING DIVISION RDA-FPD-2021-08 | 16-May-2021 | 31-Dec-2021 | 20-Jul-2023 | 1. Consumers |
| | Thermal Processing of Selected Materials Using Agitated-Type Retort | | | 5-Nov-2024 | 2. Food Processors |
| 48 | RDA-FPD-2023-01 (TECHNICOM Program): Scale-up Production and Technology Validation of DOST-ITDI Ready-to-Eat Boiled Quail Eggs | 23-Mar-2023 | 22-Mar-2024 | | 1. Egg producer |
| 49 | RDA-FPD-2023-02 (PCIEERD GIA): Stability and Extraction Yield Enhancement of Anthocyanin Pigments from Roselle and Cooked Ube Peels through the Ultrasound Assisted Extraction (UAE) Method | 1-Apr-2024 | 31-Mar-2025 | | 1. Y.E.S Export and Import Corporation 2. CustomMade Crafts Center, Inc (CMCC) |
| 50 | RDR-FPD-2023- 06 Prototyping of an Isochoric Freezing Equipment | 1-Jan-2023 | 31-Dec-2024 | | 1. Frozen Food Industry |
| 51 | RDR-FPD-2023- 02 Thermal Processing Applications in Plant-based Meat Alternative Food Products | 1-Apr-2023 | 31-Mar-2024 | | Food manufacturing industry Food consumers Farmers Food and trade organizations/associations |
| 52 | RDR-FPD-2023- 04 Development of Food Standards for Philippine Ethnic Food Products - Lechon Sauce | 1-Jan-2023 | 31-Dec-2024 | | Local Processors/ Manufacturers of Lechon sauce |

| No. | Project Title | Date Started | Comple Original | etion Date Revised | Beneficiaries |
|-------|--|--------------|--------------------|-----------------------|---|
| 53 | RDR-FPD-2024- 01 Ultrasonic Assisted Extraction (UAE) and Microencapsulation of Virgin Coconut Oil (VCO) (Phase 3: Microencapsulated VCO Prototype Testing and Validation in Relevant Environment | 1-Jul-2024 | 31-Dec-2024 | | Consumer Coconut producing regions VCO manufactures |
| 54 | RDR-FPD-2024-02 Determination of the Impact of Freeze Drying Conditions on the Physico-Chemical, Microbiological and Nutritional Properties of Freeze Dried Filipino Soup Mixes | 1-Jan-2024 | 31-Dec-2024 | | 1. Food Manufacturer |
| 55 | RDR-FPD-2024- 03 Development of Shelf Stable Food Products with Self-Heating Bags | 1-Jan-2024 | 31-Dec-2024 | | Military personnel emergency responders Convenience store |
| 56 | RDR-FPD-2024- 04 Design and Development of an Excel-based Calculation Software for Thermal Validation Studies | 1-Jan-2024 | 30-Jun-2024 | | Food Manufacturer Fabricator |
| 57 | RDR-FPD-2024- 05 Application of Sous-Vide Technology in Selected Traditional Filipino Meat Dishes | 1-Jan-2024 | 31-Dec-2024 | | Restaurant/ Food Service Industry Food manufacturing Hospital Kitchen |
| 58 | RDR-FPD-2024- 06 Extraction and Characterization of Protein from Yardlong Bean/ Sitaw Bean (Vigna unquiculata subsp. Sesquipedales (L.) Verdc) | 1-Apr-2024 | 30-Sep-2024 | | 1. Food manufacturer |
| 59 | RDR-FPD-2024- 07 Design and Development of a Batch Spray-type Pasteurizer | 1-Jan-2024 | 31-Dec-2025 | | Local Fabricator Food Manufacturers |
| 60 | RDR-FPD-2024- 08 Process Improvement, Automation, and Upscaling of ITDI-Developed Acetator | 1-Jan-2024 | 31-Dec-2024 | | 1. Processors/ MSMEs |
| 61 | RDR-FPD-2024- 09 Market Testing of Shelf Stable Intermediate Moisture (IM) Chevon Meat Products | 1-Jan-2024 | 31-Dec-2024 | | 1. Processors/ MSMEs |
| 62 | RDR-FPD-2024- 10 Enzymatic Approach for Sugar Production: Glucose Syrup from Rice Bran | 1-Jan-2024 | 31-Dec-2024 | | Food manufacturers Farmers Researchers |
| MATER | IALS SCIENCE DIVISION | | | | |
| 63 | RDA-MSD-2022-02 3D-ABI: Development and Performance Evaluation of Biocompatible Materials and Pore Design Structure for 3D Printed Artificial Bone Implants | 9-Nov-22 | 8-Nov-23 | 8-Nov-24 | Industries: biomedical (bone implants, tissue engineering) Academe: development: development of technologies and expertise on 3D printing |
| 64 | RDA-MSD-2023-01 Development, Characterization and performance Evaluation of polymer-coated and Uncoated Aluminum and titanium Alloy Powder for Selective Laser Sintering , Selective Laser melting and Electron Beam Melting (DOST Assisted /PH – India) | 1-Jan-23 | 1-Jan-25 | | The target beneficiary of the research is the wide adoption of metal 3D printing particularly for stakeholders in the biomedical, aerospace and tooling industry. |
| 65 | RDA-MSD-2023-02 Method Optimization of Digestion and Extraction of Microplastics in Milkfish (Chanos Chanos) (PCAARD) | 1-Jan-23 | 30-Jun-24 | | Small-scale aquaculture sectors, Local Barangays, and everyday Filipino fish consumers |
| 66 | RDA-MSD-2023-03 Modernization of Microplastics and Heavy metals testing in Milkfish using Thermogravimetry – Gas Chromatography //Mass Spectrometer (TG-GC/MS) and X-ray Fluorescence (XRF) (PCAARD) | 1-Jan-23 | 30-Apr-24 | | Small-scale aquaculture sectors, Local Barangays, and everyday Filipino fish consumers |
| 67 | RDA-MSD-2023-04 Biocomposite from waste Vetiver Roots and Thermoplastic for Industrial Application (CRADLE) | 1-Feb-23 | 31-Jan-25 | | iba botanical/agricultural/crop sectors 2. Plastic Industries 3. Solid waste management sectors Housing and Construction industry 4. Industry/Household consumer. |
| 68 | RDA-MSD-2023-06 Project 2: Materials for Application-Specific Technologies for 3D/4D Printing R&D (MAST3R) (under the program: Central Hub for Advanced Manufacturing R&D in the Philippines - CHAMP) | 1-Apr-23 | 31-Mar-24 | | Manufacturing industry, medical field, Construction industry, consumer sector, researcher, Product developer, and The country. |
| 69 | RDR-MSD-2023-01 Application of 3D Printing in Arts and Designs for Creative and Handicraft Industries: 3D Printing Application for Bespoke Designs in Baked Products (Phase 2) | 1-Jan-2024 | 31-Dec-2024 | | Micro SME: Local food artisans |

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| No. | Project Title | Date Started | Original | Revised | Beneficiaries |
| 70 | RDR-MSD-2023-02 Application of 3D Printing in Arts and Designs for Creative and Handicraft Industries: 3D Printing Application in Designing Products for the Pottery Industry (Phase 2) | 1-Jan-2024 | 31-Dec-2024 | | Mining Industry, Pottery industry, Handicraft and Hobbyists |
| 71 | RDR-MSD-2024-03 Bioceramic Research and Innovation (BRain) Performance Testing of Nano-Zinc Doped Calcium Phosphate Bioceramic Implant using Local Calcium Carbonate | 1-Jan-2024 | 1-Dec-2024 | | All Patients in need of Implants especially children and adults under the Philhealth Mobility Package Plan. |
| 72 | RDR-MSD-2024-04 Bioceramic Research and Innovation (BRain) Project 2: Development of Customizable Ceramic Fewmoral Prostheses through the aid of 3D Printing and Slip Casting Method | 1-Jan-2024 | 1-Dec-2024 | | Researcher (academe, other institution), 3D printing industries (academy and hobbyists), Prothesis manufacturer |
| 73 | RDR-MSD-2024-05 Nano Tio2 Coating System for Solar Panel Application | 1-Jan-2024 | 1-Dec-2024 | | Local government officials, Solar power project developers, Policy makers including government and Regulatory Commissions, Community groups, Households and Businesses, Educational Institutions |
| 74 | RDR-MSD-2024-06 Extend Producers Responsibilities (EPR) Innovate Solution Program Project 1: Recycling of Postconsumer Multiplayer Plastics Packaging (PMPP) Phase 2 Production and Performance Testing of Plastic Boards from Waste Multilayer Plastic Packaging | 1-Jan-2024 | 1-Dec-2024 | | Researcher (academe, other institution), Prospective manufacturer, MMDA, DENR, PPIA, PARMS. |
| 75 | RDR-MSD-2024-07 Extend Producers Responsibilities (EPR) Innovate Solution Program Project 2: Dvelopment of Monolayer Polyethylene Nanoclay Composite for Food Packaging Application | 1-Jan-2024 | 1-Dec-2024 | | Particular sectors that will benefit from this research are those in packaging and Plastic indutries. |
| 76 | RDR-MSD-2024-08 Extend Producers Responsibilities (EPR) Innovate Solution Program Project 3: Nanoclay- Loaded Cellulose-based Film for Packaging Application | 1-Jan-2024 | 1-Dec-2024 | | The project aims to partner with small and Medium-sized enterprises (SMEs) that are in the packaging industry. |
| 77 | RDR-MSD-2024-09 Application of Intelligent Data Analysis System (IDAS) for Oxidation State Analysis of Copper (Cu) Leadframe using Auger Electron Microprobe | 1-Jan-2024 | 1-Dec-2024 | | semiconductors and electronics (S&E) Industries Laboratory testing facilities that can utilize IDAS toll |
| 78 | RDR-MSD-2024-10 Facile Sythesis of Carbon Microsphere from Polypropylene Plastic Wastes for Wastewater Treatment | 1-Jan-2024 | 1-Dec-2024 | | Resecreher, Prospective Manufacturers |
| 79 | RDR-MSD-2024-11 Stereolithography-Fabricated all Ceramic Dental Crown using Locally Available Materials (Year 2) | 1-Jan-2024 | 1-Dec-2024 | | Dental Industries/Laboratories |
| NATIO | NAL METROLOGY DIVISION | | | | |
| 80 | RDA-NMD-2022-01 Development and Provision of Proficiency Test Scheme in Shrimp Product for Local Microbiological Laboratories | 1-Nov-2021 | 31-Oct-2023 | 31-Jan-2024 | Local microbiological laboratories involved in food testing |
| 81 | RDA-NMD-2022-02 Capability Enhancement of Local Laboratories in the Determination of Inorganic Toxic Elements in Aquacultured Milkfish through Proficiency Testing Scheme | 1-Oct-2021 1-Dec-2021 (approved) | 30-Sept-2023 | 30-May-2024 | 1. Bureau of Fisheries and Aquatic Resources – (particularly: BFAR National Fisheries Laboratory Division and BFAR Region VI - Regional Fisheries Laboratory) 2. DOST-ITDI Standards and Testing Division (STD) 3. DOST Regional Laboratories (particularly: DOST Region IX Regional Standards and Testing Laboratory) 4. National Food Authority-Food Development Center 5. Private laboratories 6. Other member laboratories of ONELAB |
| 82 | RDA-NMD-2022-03 Design And Development Of A Subsonic Wind Tunnel System For Airspeed Realization And Calibration | 1-Oct-2022 | 30-Sep-2023 | 30-Sep-2024 | Testing laboratories Energy and construction industries R&D laboratories Metrology laboratories DOST-PAGASA |

| No. | Project Title | Date Started | Completi | | Beneficiaries |
|-----|--|--------------|---|----------------------------|---|
| | | | Original | Revised | |
| 83 | RDA-NMD-2023-01 Enhancing the Quality of Measurement of Local Testing Laboratories in the Philippines for the Analysis of Toxic Elements in Mussels through Proficiency Testing Scheme | 1-Jan-2023 | 31-Dec-2023 | 30-Dec-2024 | Local testing laboratories NML |
| 84 | RDA-NMD-2023-02 Aligning The Capabilities of Metro Manila's Local Legal Metrology Authorities to the Asean Guidelines for Non-Automatic Weighing Instruments (NAWI) and Fuel Dispensers | 1-Jul-2023 | 30-Jun-2024 (Y1) 31-12-2024 (Y2) | | 1. Metro Manila LGUs |
| 85 | RDR-NMD-2024-01: Development and validation of tertiary pH measurement system based on Cell V of IUPAC Recommendation 2002 | 1-Jan-2024 | 1-Dec-2024 | | Local testing laboratories NML |
| 86 | RDR-NMD-2022-02: Performance Evaluation of the NML's Developed 1 Mega Newton Force Transducer Calibration System using a Master Load Cell and Force Generating Machine | 1-Jan-2024 | 1-Dec-2024 | | 1. Industry 2. RCTLs 3. NML |
| 87 | RDR-NMD-2024-02: Method Validation of electrolytic conductivity (EC) measurement using conductivity meter and production of EC reference material | 1-Jan-2024 | 1-Dec-2024 | | Local testing laboratories NML |
| | AGING TECHNOLOGY DIVISION | | | | |
| 88 | RDA-PTD-2021-03 Upgrading of capability of distribution centers/ trading posts in the delivery of fresh and semi- processed agricultural products in the supply chain: Focusing on packaging technology and logistics | 1-May-2021 | 30-Apr-2022 | 30-Apr-2024 | Farmers/growers in Benguet Nueva Viscaya, Tarlac and Davao Consumers |
| 89 | RDA-PTD-2024-01 Application of Retort Pouch Packaging Technology in the Development of Shelf Table Ready to Eat Adlai Products (Coix-lacryma-jobi L.) | 18-Dec-2023 | 17-Dec-2025 | | Food manufacturers/MSMEs Farmers Consumers |
| 90 | RDA-PTD-2024-02 Migration Studies on Hazardous Contaminants from Locally-Available Food Contact Materials and Articles | 1-Apr-2024 | 31-Mar-2026 | | Food manufacturers/MSMEs Farmers Consumers |
| 91 | RDR-PTD-2023-01 Method Validation and Determination of Per/Polyfluoroalkyl Substances (PFAS) in Locally-Available Paper-Based Food Packaging using LCMSMS | 03-Jan-2023 | 31-Dec-2023 | 29-Feb-2024 | General public Regulatory Bodies and Busines under Packaging, Food and Beverage and Research and Testing Industries |
| 92 | RDR-PTD-2023-02 Development of Packaging cushion made of Coconut husk as Transport packaging material for non-food products | 03-Jan-2023 | 31-Dec-2023 | 30-Jun-2024 | Agricultural cooperatives and farmers Manufacturing industries of nor food product intend to use packaging foam made of cocor husk as value addition of their product line |
| 93 | RDR-PTD-2023-03 Field Testing of RTE retort foods (chicken corn soup and ginisang munggo) as disaster relief foods – Phase 2 | 03-Jan-2023 | 31-Dec-2024 | 31-Dec-2023 31-Mar-2024 | Survivors and service providers of any calamity might it be natural, man-made and pandemic. Local food manufacturers |
| 94 | RDR-PTD-2024-01 Preliminary study on the development of adlai (Coix-lacryma-jobi L.) as altenative staple food (Phase 1) | 1-Jan-2024 | 1-Dec-2024 | | Food manufacturers/MSMEs Farmers Consumers |
| 95 | RDR-PTD-2024-02 Method Development and Validation of Total UV-Absorbing Contaminants Migrating from Monolayered Polyethylene and Polypropylene Films to Food Simulants | 1-Jan-2024 | 1-Dec-2024 | | Plastic Food Packaging Manufacturers and Distributors Food establishments using plastic packaging for takeout at delivery Filipino Consumers patronizing takeout and delivery Government Agencies (DOST, FDA, DTI, and DOH) |
| 96 | RDR-PTD-2024-03 Anti-Insect (Ants) Biodegradable Packaging: Chitosan/Polyvinyl Alcohol-Based Packaging Film for Packaged Food Products | 1-Jan-2024 | 31-Dec-2024 | | Packaging manufacturers MSMEs Households |
| 97 | RDR-PTD-2024-04 Development of Pectin-Based Biodegrable Packaging from Mango Peel | 1-Mar-2024 | 31-Dec-2024 | | Packaging manufacturers MSMEs General public |
| 98 | RDR-PTD-2024-05 Profiling and Designing of Packaging on Consumers using Survey Method | 01-Apr-2024 | 01-Sep-2024 | | PTD PTD's customers for Graphic Designs DOST NCR Designers |

| | D 1 4 TH | | Completion Date | | |
|------|---|--------------|-----------------|-------------|--|
| No. | Project Title | Date Started | Original | Revised | Beneficiaries |
| 99 | RDA-STD-2022-02 Validation and Standardization of Chemical Test Methods on Allergens and Preservatives Food Safety Parameters Among DOST Laboratories | October 2022 | September 2025 | | DOST RSTLs - III Pampanga IV-A Calabarzon, X CDO, XI Davao FDA |
| 100 | RDA-STD-2022-03 Smarter OneLab for Industry 4.0 through Testing and Calibration, Education, and Discovery (OneLab for TED) | January 2023 | December 2025 | | MSMEs LGUs Manufacturing Industries Export Firms Hospitals Academe |
| 101 | RDA-STD-2024-01: Green Extraction of Philippine Agricultural Wastes for the Development of Cosmetic Lyophilized Active Ingredients in Microcapsules (CLAIM) against Skin Oxidative Stress | Jan 2024 | Dec 2025 | | Local manufacturers of cosmetics ingredients |
| 102 | RDR-STD-2024-01: Validation of the Test Method for the Determination of Insoluble Dietary Fiber, Soluble Dietary Fiber and Total Dietary Fiber in Rice | 1-Jan-2024 | 1-Dec-2024 | | 1. Industry 2. RSTLs 3. ITDI-STD |
| 103 | RDR-STD-2024-02: Development of 3D-Printed Polylatic Acid (PLA) Internal Quality Control Material (IQCM) for Tensile and Elongation Test (TRC 1C) | 1-Jan-2024 | 1-Dec-2024 | | 1. Industry 2. RSTLs 3. ITDI-STD |
| ECHN | IOLOGICAL SERVICES DIVISION | | | | |
| 104 | RDA-2021-TSD-02 Development of Mobile Modular Food Processing Facility (MMFPF) | 1-May-2021 | 30-Apr-2023 | 30-Apr-2024 | Food processors Entrepreneurs |
| 105 | RDR-TSD-2024-01: DOST-ITDI Support in the Establishment of Social Enterprises (SEs) Program to Identified Communities/Groups/ Organizations thru Technology-based Livelihood Trainings | 1-Jan-2024 | 1-Dec-2024 | | LGU taguig Brgy Lower Bicutan Solo Parents |
| 106 | RDR-TSD-2024-02: Design and Development of Training Materials for M-Learning (Phase 1) | 1-Jan-2024 | 1-Dec-2024 | | Calibaration Laboratories |
| LANN | ING AND MANAGEMENT INFORMATION SYSTEM | S DIVISION | | | |
| 107 | RDA-PMISD-2023-01 Technical Services Certificates Verifiable Credentials Using Blockchain Technology | 1-Jun-23 | 31-May-24 | | 1. Regional FICs |
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