

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

2024 Implemented Projects

No.	Project Title	Date Started	Completion Date		Project leader
			Original	Revised	
<b>CHEMICALS AND ENERGY DIVISION</b>					
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	AVBriones
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	EGPanerio
3	RDA-CED-2021-05 Establishment of Fuel Cell R&D and Testing Facility	1-Sep-2021	31-Aug-2023	31-Aug-2024	RPPareño
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	FOrosco
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	FAZaulda
6	RDA-CED-2023-03 Chemical Residue Profiling of Milkfish using XRF Technology	1-Jan-2023	31-Dec-2023	31-May-2024	KCCAganda
7	RDA-CED-2023-04 Upscaled Production of Pectin from Calamansi Wastes	1-Mar-2023	31-Mar-2023	29-Feb-2024	EGPanerio
8	RDA-CED-2023-05 Innovative Approach in Delivering Syringic Acid Using Metal Organic Framework as Drug Carrier	18-Jul-2023	17-Jul-2024		JHSantos
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	MTADimamay
10	RDA-CED-2023-07 Mycobacterium Tuberculosis EA12-Manila Strain-Derived Immunogenic Protein Subunits for TB Vaccine Development	11-Jun-2023	10-Oct-2024		MTADimamay
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		DVBarcelon
12	RDA-CED-2024-01 Bench-Scale Monolaurin Production for Food Application	18-Dec-2023	31-Mar-2025	17-Jun-2025	KCCAganda
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	DVBarcelon
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		ACRCariño
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		MGYao
16	RDR-CED-2024-02 Fabrication of Paper-based Microfluidic Colorimetric Sensor for Citronella Oil	1-Jan-2024	31-Dec-2024		AMTJacinto
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		AMTJacinto
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		MLMYsulat
<b>ENVIRONMENT AND BIOTECHNOLOGY DIVISION</b>					
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	AVBriones
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	UGBigol

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21	<b>LFP-EBD-2021-03</b> Detection of food and water-borne bacterial pathogens using phage-based diagnostics	1-Jul-2021	30-Jun-2022	30-Jun-2024	<b>GJMSikat</b>
22	<b>LFP-EBD-2021-04</b> 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	<b>UGBigol</b>
23	<b>LFP-EBD-2021-05</b> 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	<b>JGJose</b>
24	<b>RDA-EBD-2022-01</b> Comparative Study Between Standard Methods and Philippine Made PM and CO Measuring Devices	17-Jan-2023	16-Jan-2024	Jan-2025 (for approval)	<b>DCPangayao</b>
25	<b>RDA-EBD-2022-02</b> 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)	<b>RLRetamar</b>
26	<b>RDA-EBD-2022-05</b> Pilot Testing of the UpEDS	1-Sep-2021	30-Aug-2022	31-May-2023	<b>REsguerra</b>
27	<b>RDA-EBD-2023-01</b> Mitigating Tannery Pollution in Meycauyan	1-Jan-2023	31-Dec-2023	31-Jul-2024 with approved extension	<b>REsguerra</b>
28	<b>RDA-EBD-2023-02</b> Virtual Screening of Secondary Metabolites Derived from Philippine Medicinal Plants for Potential Antiviral Activity Against Pathogenic Swine Viruses	January 1, 2024	31-Dec-2024		<b>FOrosco</b>
29	<b>RDA-EBD-2023-3</b> Computational Design of Multi-epitope Subunit Vaccines for Protection against Pathogenic Swine Viruses	1-Feb-2023	31-Jan-2024		<b>FOrosco</b>
30	<b>RDA-EBD-2024-02</b> Computational Design of Multi-epitope Subunit Vaccines for Protection against Pathogenic Swine Viruses - Year 2	1-Feb-2024	31-Jan-2025		<b>FOrosco</b>
31	<b>RDA-EBD-2023-05</b> 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		<b>MLTansengco</b>
32	<b>RDA-EBD-2024-03</b> Generation of a Plant Virus Vector for Protein Expression and Functional Gene Analysis in Abaca and Banana	1-Jan-2024	31-Dec-2024		<b>FOrosco</b>
33	<b>RDA-EBD-2023-06</b> Establishment of the Biodegradability, Eco-toxicity, and Compostability Testing Facility in the Philippines (BEC-lab)	1-Dec-2023	30-Nov-2024		<b>GJSikat</b>
34	<b>RDA-EBD-2024-04</b> 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	<b>JPG.Jose</b>
35	<b>RDR-EBD-2020-03</b> 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)	<b>UGBigol</b>
36	<b>RDR-EBD-2023-02</b> Utilization of Coffee Beans Waste for Enzyme Production Using Isolated Fungal Strains	01-Jan-23	31-Dec-23	31-Mar-2024	<b>NMUnciano</b>
37	<b>RDR-EBD-2023-05</b> Development of Algal-Bacterial (ALBA) Wastewater Treatment System for Swine Industry (Phase 2)	1-Jul-2023	30-Jun-2024	30-Jun-2024	<b>MLEbarvia</b>
38	<b>RDR-EBD-2023-06</b> 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		<b>JR.Barcelo</b>
39	<b>RDR-EBD-2022-07</b> Qualitative and Quantitative Assessment of Microplastics along the key sites of Laguna de Bay, Philippines	1-Jan-2024	30-Jun-2024		<b>ADChavez</b>

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40	<b>RDR-EBD-2022-06</b> Operation of the DOST Sewage Treatment Plan (STP) and Development of Strategies for Water Reuse	1-Jan-2024	30-Jun-2024		<b>DCVergara</b>
41	<b>RDR-EBD-2024-01:</b> Determination of prevalence of Per- and polyfluoroalkyl substances (PFAS) in groundwater resources in selected household communities in Laguna	1-Jan-2024	31-Dec-2024		<b>RDPerez</b>
42	<b>RDR-EBD-2024-02:</b> 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		<b>DM. Saiyari</b>
43	<b>RDR-EBD-2024-03:</b> 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		<b>UGBigol/ Noel M. Unciano</b>
44	<b>RDR-EBD-2024-04:</b> Improvement of Long-Term Preservation Protocols for Industrially Important EBD-ITDI Microbial Isolates	1-Jan-2024	31-Dec-2025		<b>UG. Bigol</b>
45	<b>RDR-RBD-2024-05:</b> 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		<b>ADC. Chavez</b>
46	<b>RDR-EBD-2024-06:</b> 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		<b>GA. Diopol</b>
<b>FOOD PROCESSING DIVISION</b>					
47	<b>RDA-FPD-2021-08</b> Thermal Processing of Selected Materials Using Agitated-Type Retort	16-May-2021	31-Dec-2021	20-Jul-2023 5-Nov-2024	<b>MRManalo</b>
48	<b>RDA-FPD-2023-01 (TECHNICOM Program):</b> Scale-up Production and Technology Validation of DOST-ITDI Ready-to-Eat Boiled Quail Eggs	23-Mar-2023	22-Mar-2024		<b>MBMacaraeg</b>
49	<b>RDA-FPD-2023-02 (PCIEERD GIA):</b> 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		<b>MBMacaraeg</b>
50	<b>RDR-FPD-2023- 06</b> Prototyping of an Isochoric Freezing Equipment	1-Jan-2023	31-Dec-2024		<b>UGDollete/ ASArnao</b>
51	<b>RDR-FPD-2023- 02</b> Thermal Processing Applications in Plant-based Meat Alternative Food Products	1-Apr-2023	31-Mar-2024		<b>MRManalo</b>
52	<b>RDR-FPD-2023- 04</b> Development of Food Standards for Philippine Ethnic Food Products - Lechon Sauce	1-Jan-2023	31-Dec-2024		<b>MEEvaristo</b>
53	<b>RDR-FPD-2024- 01</b> 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		<b>VALacasandile</b>
54	<b>RDR-FPD-2024-02</b> 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		<b>MBMacaraeg</b>
55	<b>RDR-FPD-2024- 03</b> Development of Shelf Stable Food Products with Self-Heating Bags	1-Jan-2024	31-Dec-2024		<b>RMBelandres</b>
56	<b>RDR-FPD-2024- 04</b> Design and Development of an Excel-based Calculation Software for Thermal Validation Studies	1-Jan-2024	30-Jun-2024		<b>ASArnao</b>
57	<b>RDR-FPD-2024- 05</b> Application of Sous-Vide Technology in Selected Traditional Filipino Meat Dishes	1-Jan-2024	31-Dec-2024		<b>MRManalo</b>
58	<b>RDR-FPD-2024- 06</b> Extraction and Characterization of Protein from Yardlong Bean/ Sitaw Bean (Vigna unguiculata subsp. Sesquipedales (L.) Verdc)	1-Apr-2024	30-Sep-2024		<b>ACFlores</b>
59	<b>RDR-FPD-2024- 07</b> Design and Development of a Batch Spray-type Pasteurizer	1-Jan-2024	31-Dec-2025		<b>RMBelandres</b>
60	<b>RDR-FPD-2024- 08</b> Process Improvement, Automation, and Upscaling of ITDI-Developed Acetator	1-Jan-2024	31-Dec-2024		<b>JCOcasla</b>

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61	RDR-FPD-2024- 09 Market Testing of Shelf Stable Intermediate Moisture (IM) Chevron Meat Products	1-Jan-2024	31-Dec-2024		M.E. Evaristo
62	RDR-FPD-2024- 10 Enzymatic Approach for Sugar Production: Glucose Syrup from Rice Bran	1-Jan-2024	31-Dec-2024		M.E. Evaristo
<b>MATERIALS SCIENCE DIVISION</b>					
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	MTMargarito
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		MTMargarito
65	RDA-MSD-2023-02 Method Optimization of Digestion and Extraction of Microplastics in Milkfish (Chanos Chanos) (PCAARD)	1-Jan-23	30-Jun-24		LJCastro
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) (PCARRD)	1-Jan-23	30-Apr-24		AAIcain
67	RDA-MSD-2023-04 Biocomposite from waste Vetiver Roots and Thermoplastic for Industrial Application (CRADLE)	1-Feb-23	31-Jan-25		MAPaglicawan
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		MTMargarito
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		MCOQue
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		AKCollera
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		JPReyes
72	RDR-MSD-2024-04 Bioceramic Research and Innovation (BRain) Project 2: Development of Customizable Ceramic Femoral Prostheses through the aid of 3D Printing and Slip Casting Method	1-Jan-2024	1-Dec-2024		DMBAIfeche
73	RDR-MSD-2024-05 Nano TiO2 Coating System for Solar Panel Application	1-Jan-2024	1-Dec-2024		JPReyes
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		JACSy
75	RDR-MSD-2024-07 Extend Producers Responsibilities (EPR) Innovate Solution Program Project 2: Development of Monolayer Polyethylene Nanoclay Composite for Food Packaging Application	1-Jan-2024	1-Dec-2024		LCMiilo

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76	<b>RDR-MSD-2024-08</b> Extend Producers Responsibilities (EPR) Innovate Solution Program Project 3: Nanoclay-Loaded Cellulose-based Film for Packaging Application	1-Jan-2024	1-Dec-2024		<b>SRCayabyab</b>
77	<b>RDR-MSD-2024-09</b> 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		<b>AlSantillan</b>
78	<b>RDR-MSD-2024-10</b> Facile Sythesis of Carbon Microsphere from Polypropylene Plastic Wastes for Wastewater Treatment	1-Jan-2024	1-Dec-2024		<b>PANdeYro</b>
79	<b>RDR-MSD-2024-11</b> Stereolithography-Fabricated all Ceramic Dental Crown using Locally Available Materials (Year 2)	1-Jan-2024	1-Dec-2024		<b>JPReyes</b>
<b>NATIONAL METROLOGY DIVISION</b>					
80	<b>RDA-NMD-2022-01</b> Development and Provision of Proficiency Test Scheme in Shrimp Product for Local Microbiological Laboratories	1-Nov-2021	31-Oct-2023	31-Jan-2024	<b>MSA Aguinaldo</b>
81	<b>RDA-NMD-2022-02</b> 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	<b>AT Junsay</b>
82	<b>RDA-NMD-2022-03</b> Design And Development Of A Subsonic Wind Tunnel System For Airspeed Realization And Calibration	1-Oct-2022	30-Sep-2023	30-Sep-2024	<b>JMD Latosa</b>
83	<b>RDA-NMD-2023-01</b> 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	<b>AT Junsay</b>
84	<b>RDA-NMD-2023-02</b> 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)		<b>JG Trillana</b>
85	<b>RDR-NMD-2024-01: Development and validation of tertiary pH measurement system based on Cell V of IUPAC Recommendation 2002</b>	1-Jan-2024	1-Dec-2024		<b>A. Dacuya</b>
86	<b>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</b>	1-Jan-2024	1-Dec-2024		<b>AC Gernale</b>
87	<b>RDR-NMD-2024-02: Method Validation of electrolytic conductivity (EC) measurement using conductivity meter and production of EC reference material</b>	1-Jan-2024	1-Dec-2024		<b>A.T. Junsay</b>
<b>PACKAGING TECHNOLOGY DIVISION</b>					
88	<b>RDA-PTD-2021-03</b> 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	<b>ETNolasco</b>
89	<b>RDA-PTD-2024-01</b> 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		<b>GDNocaja</b>
90	<b>RDA-PTD-2024-02</b> Migration Studies on Hazardous Contaminants from Locally-Available Food Contact Materials and Articles	1-Apr-2024	31-Mar-2026		<b>EKPEncarnacion</b>
91	<b>RDR-PTD-2023-01</b> 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	<b>EKPEncarnacion</b>
92	<b>RDR-PTD-2023-02</b> 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	<b>RAGCasas</b>
93	<b>RDR-PTD-2023-03</b> 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	<b>GDNocaja</b>

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94	RDR-PTD-2024-01 Preliminary study on the development of adlai (Coix-lacryma-jobi L.) as alternative staple food (Phase 1)	1-Jan-2024	1-Dec-2024		GDNoceja
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		A.C. Alcantara
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		A.T. Basbasan Jr.
97	RDR-PTD-2024-04 Development of Pectin-Based Biodegradable Packaging from Mango Peel	1-Mar-2024	31-Dec-2024		M.J.P. Paico
98	RDR-PTD-2024-05 Profiling and Designing of Packaging on Consumers using Survey Method	01-Apr-2024	01-Sep-2024		KJDizon
<b>STANDARDS AND TESTING DIVISION</b>					
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		MRV Parcon
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		AV Briones
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		MRV Parcon
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		ANB Cruz
103	RDR-STD-2024-02: Development of 3D-Printed Polylactic Acid (PLA) Internal Quality Control Material (IQCM) for Tensile and Elongation Test (TRC 1C)	1-Jan-2024	1-Dec-2024		MF Enot
<b>TECHNOLOGICAL SERVICES DIVISION</b>					
104	RDA-2021-TSD-02 Development of Mobile Modular Food Processing Facility (MMFPF)	1-May-2021	30-Apr-2023	30-Apr-2024	NEC Florendo TMNChan R. H. Bonto
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		C. Candelaria
106	RDR-TSD-2024-02: Design and Development of Training Materials for M-Learning (Phase 1)	1-Jan-2024	1-Dec-2024		R. H. Bonto
<b>PLANNING AND MANAGEMENT INFORMATION SYSTEMS DIVISION</b>					
107	RDA-PMISD-2023-01 Technical Services Certificates Verifiable Credentials Using Blockchain Technology	1-Jun-23	31-May-24		GA Ordoña