

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

2023 Implemented Projects

No.	Project Title	Date Started	Completion Date		Beneficiaries
			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		1. Growers and processors of cashew
		16-May-2022	15-May-2023		
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-2023	1. Agriculture sector 2. 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 (Y1)	1-Sep-2021	31-Aug-2023		1. Transportation sector 2. General public
4	RDA-CED-2022-01 Product Development of Okara: From Soybean Processing By-Product to Hight Energy Protein Ready to Drink Product	1-Sep-2022	31-Aug-2023		1. General public 2. Soya product manufacturers
5	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		1. Researchers 2. Farmers producing Abaca and Banana 3. Abaca Breeders 4. Industry stakeholders
6	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		1. Industry stakeholders 2. Farmers producing Papaya 3. Phage researchers
7	RDR-CED-2021-03 Development of Microcontroller & Minicomputer Applications for Selected Equipment units of the MMIC and a Bench-Scale Hydrothermal Carbonization Equipment of the CED Laboratory	01-Jan-2021	31-Dec-2021	31-Mar-2023	1. MMIC 2. MSMEs using MMIC Facilities
8	RDR-CED-2022-04 Screening of Biological Activities and Secondary Metabolites from Two (2) Endemic Species of Vanoverberghia (Zingiberaceae) and their Application as a Topical Product	1-Aug-2021	31-Dec-2021	31-Jul-2023	1. MSMEs 2. General public
9		1-Jan-2022	31-Jul-2022		
10	RDR-CED-2023-01 Production of Fish Oil from by-products of Local Fish Processors and its Application in Personal Care Products	01-Jan-23	31-Dec-23		1. Fish processors 2. Fish oil producers 3. Cosmetic companies 4. Pharmaceutical companies
11	RDR-CED-2023-02 Optimization Study on the Co-production of Activated Carbon and Bio-oil Spent Coffee Grounds	01-Jan-23	31-Dec-23		1. Activated carbon manufacturers 2. Coffee processors 3. Activated carbon consumers
12	RDR-CED-2023-03 Utilization of Okara byproduct from Taho/Tofu Production through the Development of Stabilizer/Emulsifier for Personal Care Products	1-Jan-2023	31-Dec-2023		1. Soya products manufacturers 2. Cosmetic companies 3. Pharmaceutical companies
<b>ENVIRONMENT AND BIOTECHNOLOGY DIVISION</b>					
13	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	1. General Public 2. Pharmaceutical companies 3. Hospitals 4. Government regulators
14	LFP-EBD-2021-02 Combination Therapy: Lytic Bacteriophages and Plant Extracts against Multidrug-Resistant Bacteria	1-Jul-2021	30-Jun-2022	30-Jun-2024	
15	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	
16	LFP-EBD-2021-04 De novo synthesis of a non-infective Flaviviridae pseudovirion: 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	
17	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	
18	RDA-EBD-2022-01 Comparative Study Between Standard Methods and Philippine Made PM and CO Measuring Devices	1-Jan-2022	31-Dec-2023		1. Filipino researchers working on air quality sensors and device development 2. DENR and DTI 3. Emission testing centers and industries
19	RDA-EBD-2022-02 Deployment of Drinking Water Treatment System for Selected Indigenous People (IP) Communities in the Province of Tarlac	1-Feb-2022	31-Dec-2022	01-Jul-2023	1. LGUs in Tarlac
20	RDA-EBD-2022-05 Pilot Testing of the UpEDS	1-Sep-2021	30-Aug-2022	31-May-2023	1. Communities in Brgy. Sitio Bakal
21	RDA-EBD-2023-01 Mitigating Tannery Pollution in Meycauayan	1-Jan-2023	31-Dec-2023		1. Identified tanneries in Meycauayan
22	RDA-EBD-2023-02 Virtual Screening of Secondary Metabolites Derived from Philippine Medicinal Plants for Potential Antiviral Activity Against Pathogenic Swine Viruses	1-Jan-2023	31-Dec-2023		1. Pig farmers 2. Swine industry stakeholders 3. Veterinary drug developers

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

2023 Implemented Projects

No.	Project Title	Date Started	Completion Date		Beneficiaries
			Original	Revised	
<b>CHEMICALS AND ENERGY DIVISION</b>					
23	<b>RDA-EBD-2023-3</b> Computational Design of Multi-epitope Subunit Vaccines for Protection against Pathogenic Swine Viruses	1-Jan-2023	31-Dec-2024		1. Pig farmers 2. Swine industry stakeholders 3. Veterinary vaccine developers
24	<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	1. Drug companies
25	<b>RDR-EBD-2022-03</b> Microbial and Chemical Profile of Kombucha Tea made from Different Symbiotic Colonies of Bacteria and Yeasts (SCOBYs) in the Philippines Phase 2. Chemical Profile and Antioxidant Activity of Kombucha (Year 2)	01-Jan-23	31-Dec-23		1. Kombucha producers 2. MSMEs in the food business
26	<b>RDR-EBD-2022-05</b> Carbon Capture using PDMS/PVDF thin film Composite Membranes	1-Jan-2022	31-Dec-23		1. Pilot plants of DOST RDIs that use boilers 2. Coal power plants 3. LGU officials and policy makers 4. Fuell cell and carbon capture researchers across the country 5. Institutes interested in carbon dioxide valorization
27	<b>RDR-EBD-2022-06</b> Operation of the DOST Sewage Treatment Plan (STP) and Development of Strategies for Water Reuse	01-Jul-22	31-Dec-23		1. DOST agencies
28	<b>RDR-EBD-2022-07</b> Qualitative and Quantitative Assessment of Microplastics along the key sites of Laguna de Bay, Philippines	01-Jul-22	31-Jun-2023		1. General public 2. LGU officials and policy makers 3. Fisherfolk of Laguna de Bay 4. Researchers
29	<b>RDR-EBD-2023-01</b> Utilization of Septic Sludge for Biogas and Compost Production using a Portable Biogas Digester	01-Jan-23	31-Dec-23		1. LGUs 2. Septic syphoning contractors
30	<b>RDR-EBD-2023-02</b> Utilization of Coffee Beans Waste for Enzyme Production Using Isolated Fungal Strains	01-Jan-23	31-Dec-23		1. Enzyme manufacturers 2. Coffee producers
31	<b>RDR-EBD-2023-03</b> Implementation of an Effective Solid Waste Management Program for ITDI: Part 1 - Assessment and conduct of Waste Analysis and Characterization Study (WACS)	01-Jan-23	30-Sep-23		1. DOST - ITDI employees 2. Other DOST agencies and NGAs
32	<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		1. Hog raising industry
<b>FOOD PROCESSING DIVISION</b>					
33	<b>RDA-FPD-2021-04</b> Developing the Capability of Micro-and Small-Scale Processors on the Evaluation and Manufacture of Quality Food Products from Philippine Cocoa Beans	26-Jan-2021	25-Jan-2022		1. Consumers 2. Cacao Farmers 3. Food Industry
		26-Jan-2022	25-Jan-2023	25-Jul-2023	
34	<b>RDA-FPD-2021-06</b> Development of Competency on Establishment and Validation of Adequate Processes for Thermally Processed Food	1-Apr-2022	31-Mar-2023		1. Consumers 2. Food Processors
35	<b>RDA-FPD-2021-08</b> Thermal Processing of Selected Materials Using Agitated-Type Retort	16-May-2021	31-Dec-2021	20-Jul-2023	1. Consumers 2. Food Processors
36	<b>RDA-FPD-2021-09</b> Production of Dietary Fiber using Sugarcane Bagasse from Raw Sugar Manufacturing	1-Apr-2021	31-Mar-2022		1. Sugar Manufacturers 2. Farmers
		1-Apr-2022	31-Mar-2023		
37	<b>IDD-TECHNICOM-2023-0329-18</b> Scale-up Production and Technology Validation of DOST-ITDI Ready-to-Eat Boiled Quail Eggs	23-Mar-2023	22-Apr-2024		1. Egg producer
38	<b>RDR-FPD-2022-01</b> Development of Shelf Stable Randang Sauce	1-Feb-2022	31-Dec-2022	30-Jun-2023	1. Food Manufacturing industry (local food importers and exporters) 2. Food consumers 3. Local manufacturers of dehydrated products 4. Farmers and food trade organizations/association
39	<b>RDR-FPD-2022-03</b> Improvement of Exterior Features of Existing Horizontal Water Spray Retort with Timing Control System Upgrade	1-Apr-2022	31-Mar-2023		1. MSMEs using the pilot plant facilities 2. R&D and/or Thermal team of FPD
40	<b>RDR-FPD-2022-05</b> Ultrasonic Assisted Extraction (UAE) and Microencapsulation of Virgin Coconut Oil (VCO): Study 2: Validation of UAE Process of VCO	1-Apr-2022	31-Dec-2022	31-Mar-2023	1. Coconut farmers 2. Coconut Industry

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

2023 Implemented Projects

No.	Project Title	Date Started	Completion Date		Beneficiaries
			Original	Revised	
<b>CHEMICALS AND ENERGY DIVISION</b>					
41	RDR-FPD-2022-06 Safety and Quality Evaluation and Testing of DOST-ITDI Developed Cacao Roaster Equipment	1-Oct-2022	30-Sep-2023		1. Local Machine Fabricators 2. Machine end-user 3. Internal Staff
42	RDR-FPD-2023-05 Development of Shelf Stable Intermediate Moisture (IM) Chevron Products (Jerky and Chinese-Style Sausage) using Hurdle Technology	1-Jan-2023	31-Dec-2023		1. Meat Processor 2. Associations/ Cooperative of Goat Farmers
43	RDR-FPD-2023- 06 Prototyping of an Isochoric Freezing Equipment	1-Jan-2023	31-Dec-2024		1. Frozen Food Industry
44	RDR-FPD-2023- 02 Thermal Processing Applications in Plant-based Meat Alternative Food Products	1-Apr-2023	31-Mar-2024		1. Food manufacturing industry 2. Food consumers 3. Farmers 4. Food and trade organizations/ associations
45	RDR-FPD-2023- 04 Development of Food Standards for Philippine Ethnic Food Products - Lechon Sauce	1-Jan-2023	31-Dec-2024		1. Local Processors/ Manufacturers of Lechon sauce
46	RDR-FPD-2023- 01 Development and Pilot Scale Production of Shelf-Stable Food Products as Ready Food Reserve	1-Jan-2023	31-Dec-2023		1. Bakery owner or Bread producers 2. SMEs 3. Egg raisers 4. Sweet potato farmer/ cooperative/ commissary industries 5. Any emergency situations as part of the Institute's Corporate Social Responsibility
<b>MATERIALS SCIENCE DIVISION</b>					
47	RDA-MSD-2022-01 Nanotexturing of Stainless Steel 316L by Electrochemical Etching for Biological Implants (CRADLE Project)	1-Jan-2022	31-Dec-2022	30-Jun-2023	The target beneficiaries of this project are the following: 1. Filipino Households <ul style="list-style-type: none"> <li>● Filipino individuals of any gender and age, who suffer from arthritic pain from bum knee</li> <li>● Filipino individuals of any gender and age, especially orthopedic patients, in-need of surgical implants</li> </ul> 2. Academe and Research Community <ul style="list-style-type: none"> <li>● Future collaboration with universities and research institutions specializing surface nanotexturing, materials science and nanotechnology</li> <li>● Promotion of nanotextured biomedical devices in Health-allied academe sectors for their teaching and research applications</li> </ul> 3. Local Government Units <ul style="list-style-type: none"> <li>● Possible government-funded projects for our Public Health sector to provide assistance to Filipinos suffering from osteoarthritis, particularly those in need of surgical implants</li> </ul> 4. Private and Public Institutions <ul style="list-style-type: none"> <li>● Hospitals and medical institutions utilizing medical devices (implants) for orthopedic surgery</li> <li>● Medical companies whose business focus on healthcare and biomedical devices</li> </ul>
48	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	9-Nov-22 to 8-Nov-23 (Y1)	
49	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		
50	RDA-MSD-2023-02 Method Optimization of Digestion and Extraction of Microplastics in Milkfish (Chanos Chanos) (PCAARD)	1-Jan-23	30-Jun-24		

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

2023 Implemented Projects

No.	Project Title	Date Started	Completion Date		Beneficiaries
			Original	Revised	
<b>CHEMICALS AND ENERGY DIVISION</b>					
51	<b>RDA-MSD-2023-03</b> 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	31-Dec-23		
52	<b>RDA-MSD-2023-04</b> Biocomposite from waste Vetiver Roots and Thermoplastic for Industrial Application (CRADLE)	1-Feb-23	1-Feb-25		
53	<b>RDA-MSD-2023-05</b> Training of Trainers Program (ToT) on Nanotechnology	1-May-23	1-Jul-23		
54	<b>RDR-MSD-2023-01</b> Application of 3D Printing in Arts and Designs for Creative and Handicraft Industries: 3D Printing Application for Bespoke Designs in Baked Products	1-Jan-2023	31-Dec-2023		MSMEs: Local cake artisans
55	<b>RDR-MSD-2023-02</b> Application of 3D Printing in Arts and Designs for Creative and Handicraft Industries: 3D Printing Application in Designing Products for the Pottery Industry	1-Jan-2023	31-Dec-2023		Mining and Ceramic Manufacturing Industries
56	<b>RDR-MSD-2023-03</b> Laboratory Scale Production of Porous Bi-phasic Calcium Phosphate Bioceramic Orbital Implant (Phase 1)	1-Jan-2023	31-Dec-2023		All patients in need of orbital implant especially children under the PhilHealth Mobility Package Plan
57	<b>RDR-MSD-2023-04</b> Stereolithography-Fabricated All Ceramic Dental Crown using Locally Available Materials (Year 1)	1-Jan-2023	31-Dec-2023		All individuals in need of dental restorations
58	<b>RDR-MSD-2023-05</b> Recycling of Postconsumer Multilayer Plastics Packaging (PMPP) - Phase 1	1-Jan-2023	31-Dec-2023		Construction industry; Plastic manufacturers
59	<b>RDR-MSD-2023-06</b> Cellulose Nanocrystals (CNC) derived from Ananas Comosus leaves for Industrial and Medical Applications: Phase 2-Functionalization and Applications Testing	1-Jan-2023	31-Dec-2023		Manufacturers
60	<b>RDR-MSD-2023-07</b> Design, Optimization and Prototyping through Simulation and 3D Printing with PVDF/PES Membrane Development of a Hollow Fiber Membrane Module for Emergency Water Supply Treatment	1-Jan-2023	31-Dec-2023		Those affected by disasters and calamities
<b>NATIONAL METROLOGY DIVISION</b>					
61	<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		Local microbiological laboratories involved in food testing
62	<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-Nov-2023	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
63	<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		1. Testing laboratories 2. Energy and construction industries 3. R&D laboratories 4. Metrology laboratories 5. DOST-PAGASA

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

2023 Implemented Projects

No.	Project Title	Date Started	Completion Date		Beneficiaries
			Original	Revised	
<b>CHEMICALS AND ENERGY DIVISION</b>					
64	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		1. Local testing laboratories
65	RDR-NMD-2022-01 Development of Real-Time Data Acquisition Program for High Accuracy Machine Indicators using Artificial Neural Network	1-Jan-2022	31-Dec-2022	30-Sep-2023	1. Industries 2. Manufacturing plants 3. Private, government and DOST laboratories
66	RDR-NMD-2023-01 Upgrading High-capacity Manual Mass Comparators through Development of an Automated Rotary Multi-Position Weighing System	1-Jan-2023	31-Dec-2023		1. Mass standards section - NML 2. DOST regional metrology laboratories 3. Private calibration laboratories
67	<b>Enhancement of the Competence and Capabilities of the National Metrology Laboratory of the Philippines</b>				
	RDRD-2017-NMD-01 Project 1 : Chemical Metrology for Organic Contaminants in Food and Water	1-Jan-2017	31-Dec-2017		1. Regional Metrology Laboratories 2. Testing Laboratories (use of Reference Materials)
		1-Jan-2018	31-Dec-2018		
		1-Jan-2019	31-Dec-2019		
		1-Jan-2020	31-Dec-2020		
		1-Jan-2021	31-Dec-2021	31-Dec-2022	
		1-Jan-2022	31-Dec-2022	31-Jul-2023	
68	RDRD-2017-NMD-02 Project 2 : Chemical Metrology for Inorganic Toxic Elements in Food and Water	1-Jan-2017	31-Dec-2017		1. Regional Metrology Laboratories 2. Testing Laboratories (use of Reference Materials)
		1-Jan-2018	31-Dec-2018		
		1-Jan-2019	31-Dec-2019		
		1-Jan-2020	31-Dec-2020		
		1-Jan-2021	31-Dec-2021	31-Dec-2022	
		1-Jan-2022	31-Dec-2022	31-Jul-2023	
69	RDRD-2017-NMD-03 Project 3 : Biological Metrology for Microorganisms in Food	1-Jan-2017	31-Dec-2017		1. Regional Metrology Laboratories 2. Testing Laboratories (use of Reference Materials)
		1-Jan-2018	31-Dec-2018		
		1-Jan-2019	31-Dec-2019		
		1-Jan-2020	31-Dec-2020		
		1-Jan-2021	31-Dec-2021	31-Dec-2022	
		1-Jan-2022	31-Dec-2022	31-Jul-2023	
70	RDRD-2017-NMD-04 Project 4: Strengthening the Physical Metrology Capabilities of the National Metrology Laboratory (NML)	1-Jan-2017	31-Dec-2017		1. DOST Regional Metrology Laboratories and Private Calibration Laboratories 2. R&D Laboratories and Academia 3. Manufacturing Industries 4. Regulatory Bodies/Agencies 5. The Consumers and the General Public
		1-Jan-2018	31-Dec-2018		
		1-Jan-2019	31-Dec-2019		
		1-Jan-2020	31-Dec-2020		
		1-Jan-2021	31-Dec-2021	30-Jun-2022	
		1-Jan-2022	30-Jun-2022	31-Jul-2023	
<b>PACKAGING TECHNOLOGY DIVISION</b>					
71	RDA-PTD-2021-01 Development and Field Testing of Retort Foods as Food Ration for Men in Uniform during Combat Operations and Other High Risk Operations	1-Feb-2021	31-Jan-2022		1. Philippine Army Soldiers and/or trainees 2. Philippine National Police
		1-Feb-2022	31-Jan-2023	31-Aug-2023	
72	RDA-PTD-2021-02 Pilot Testing of Packaging Technology Developed for Frozen Durian using Locally Produced Packaging Materials	16-Apr-2021	15-Apr-2022		1. Durian growers/processors
		16-Apr-2022	15-Feb-2023	Sept. 30, 2023	
73	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	1. Farmers/growers in Benguet, Nueva Viscaya, Tarlac and Davao 2. Consumers
74	RDR-PTD-2021-04 Development of Three (3) New RTE Disaster Relief Foods for Vulnerable Groups (elderly and children)	1-Apr-2021	31-Mar-2022		1. Survivors and service providers of any calamity might it be natural, man made and pandemic
		1-Apr-2022	31-Mar-2023		
75	RDR-PTD-2021-06 Preliminary Study on Epoxidized Soybean Oil Migrating from Metal Closure into Bottled Spanish-Style Sardines	1-Jul-2021	30-Jun-2022		1. Manufacturers and distributors of metal closures 2. Manufacturers of bottled sardines and bottled bangus in oil 3. Consumers
		1-Jul-2022	28-Feb-2023		
76	RDR-PTD-2022-01 Development of Brand Name and Label Design for Unique Philippine Products (Phase 3)	1-Jan-2022	31-Dec-2022	30-Jun-2023	1. Existing producers or manufacturers 2. Prospective Brand Owners
77	RDR-PTD-2022-02 A Preliminary Study on the Exposure assessment of Filipino Consumers to phthalates migrated from paper-based and plastic-based materials used as packaging for food and Beverages	2-Feb-2022	31-Jul-2023		1. General Public 2. Food and packaging manufacturers, MSMEs and dealers
78	RDR-PTD-2022-04 Development of intelligent packaging colorimetric sensor as total volatile basic nitrogen (TVBN) indicator (Phase 2)	2-Feb-2022	31-Jan-2023		Manufacturers and distributors of fresh foods for both local and export market

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

2023 Implemented Projects

No.	Project Title	Date Started	Completion Date		Beneficiaries
			Original	Revised	
<b>CHEMICALS AND ENERGY DIVISION</b>					
79	<b>RDR-PTD-2022-06</b> Fabrication and Characterization of Fiber – Based Cushion Pad and Partition Board Derived from Pineapple Waste for Transport Packaging of Fresh Produce	2-Feb-2022	31-Aug-2023		1. Pineapple farmers 2. Packaging manufacturers 3. General public
80	<b>RDR-PTD-2022-07</b> Utilization of indigenous materials as green active packaging in prolonging the overall freshness of low-land agricultural crops (ampalaya and french beans)	1-Apr-2022	31-Mar-2023	30-Jun-2023	1. Farmer-entrepreneurs of ampalaya and French beans 2. Wholesalers and retailers of ampalaya and French beans
81	<b>RDR-PTD-2022-08</b> Pilot Testing of Packaging Technology for Pork Lechon	01-Jun-2022	31-May-2023	31-Aug-2023	1. Mangosteen farmers/growers in the Philippines 2. Wholesalers/retailers/exporters of fresh fruits
82	<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		General public Regulatory Bodies and Business under Packaging, Food and Beverage and Research and Testing Industries
83	<b>RDR-PTD-2023-02</b> Development of Packaging foam made of Coconut husk as Transport packaging material for non-food products	03-Jan-2023	31-Dec-2023		Agricultural cooperatives and farmers Manufacturing industries of non-food product intend to use packaging foam made of coconut husk as value addition of their product line
84	<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		Survivors and service providers of any calamity might it be natural, man-made and pandemic. Local food manufacturers
85	<b>RDR-PTD-2023-04</b> Profiling and Designing of Packaging on Consumers using Survey Method	03-Jul-2023	31-Dec-2023		PTD, PTD customers, DOST NCR, Designers
<b>STANDARDS AND TESTING DIVISION</b>					
86	<b>RDA-STD-2019-01</b> Upgrading of ITDI-Laboratory Animal Facilities in Support for Tuklas Lunas and Other DOST Programs, and Industry Needs	4-Nov-2019	3-Nov-2020		1. Industries, academe and other stakeholders in need of biological testing 2. Department of Science and Technology Programs
		4-Nov-2020	3-Nov-2021	May 3, 2023 (approved)	
87	<b>RDA-STD-2022-01</b> Establishment of Halal Assurance Management System and Halal-Compliant Standardized Process for Spa Skincare Products for the Halal Tourism Industry	1-Jan-2022	30-Jun-2023		1. Muslim and non-Muslim halal products and services consumers 2. Local producers of halal cosmetic products 3. Local farmers of raw materials, e. g., base oil, plants and florals, etc. 4. Local wellness spa services establishments, particularly in the identified cities: Metro Manila, Palawan, Cebu City, Davao City, Zamboanga City and Cebu City
88	<b>RDA-STD-2022-02</b> Validation and Standardization of Chemical Test Methods on Allergens and Preservatives Food Safety Parameters Among DOST Laboratories	October 2022	September 2025		1. DOST RSTLs - III Pampanga, IV-A Calabarzon, X CDO, XI Davao 2. FDA
89	<b>RDA-STD-2022-03</b> Smarter OneLab for Industry 4.0 through Testing and Calibration, Education, and Discovery (OneLab for TED)	January 2023	December 2025		1. MSMEs 2. LGUs 3. Manufacturing Industries 4. Export Firms 5. Hospitals 6. Academe 7. Researchers 8. Government Agencies 9. Policymakers
90	<b>RDR-STD-2022-03</b> Capacity Building for Preservative Efficacy Test (PET) for Cosmetics	1-Jan-2022	30-Sep-2023		1. Microbiology Section - STD 2. Cosmetics industry of the Philippines 3. Academe
91	<b>RDR-STD-2023-01</b> Development and Validation of Ion Chromatographic Method for the Determination of Water-Soluble Anions in Concrete and Related Materials	1-Jan-2023	31-Dec-2023		1. Inorganic Chemistry Section - STD 2. Local cement manufacturers 3. Importers of cements
92	<b>RDR-STD-2023-02</b> Program: Enhancement of ITDI-STD Fuel Testing Services Phase 2: Development of Charcoal In-house Quality Control Material for Proximate and Ultimate Analysis in Solid Fuels	1-Jan-2023	31-Dec-2023		1. Charcoal industry 2. Activated carbon industry 3. Philippine Coconut Authority 4. DOST RSTLs
<b>TECHNOLOGICAL SERVICES DIVISION</b>					
93	<b>RDA-2021-TSD-01</b> Technical Support to DOST Regional Food Innovation Centers	1-Mar-2021	28-Feb-2022		1. Regional FICs
		1-Mar-2022	28-Feb-2023		
94	<b>RDA-2021-TSD-02</b> Development of Mobile Modular Food Processing Facility (MMFPF)	1-May-2021	30-Apr-2023		1. Food processors 2. Entrepreneurs

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

2023 Implemented Projects

No.	Project Title	Date Started	Completion Date		Beneficiaries
			Original	Revised	
	<b>CHEMICALS AND ENERGY DIVISION</b>				