No.	Project Title	Date Started	Complet Original	ion Date Revised	Beneficiaries
CHEMIC	CALS AND ENERGY DIVISION		Original	Reviseu	
1	RDA-CED-2021-04 Development of a PCR-based detection kit for Philippine Tomato Yellow Leaf Curl Virus (TYLCV) strains	01-Sep-2021	31-Aug-2024	31-Aug-2025	Agriculture sector Farmers producing tomatoes, beans, pepper, tobacco, cucumbers, and other important crops
2	RDA-CED-2021-05 Establishment of Fuel Cell R&D and Testing Facility	1-Sep-2021	13-Nov-2024	31-Mar-2025	Transportation sector General public
3	RDA-CED-2023-04 Upscaled Production of Pectin from Calamansi Wastes	1-Mar-2023	29-Feb-2024	30-Sep-2025	Food industry Calamansi producers
4	RDA-CED-2023-05 Innovative Approach in Delivering Syringic Acid Using Metal Organic Framework as Drug Carrier	18-Jul-2023	17-Jul-2025		Chemists Pharmacists/pharmacologists Academicians Clinicians Pharmaceutical industries Government agencies
5	RDA-CED-2023-06A VRV Biobanking P1: Biorepository of Human Respiratory Virus with Risk Group Level 2 Infections in selected tertiary hospitals in Luzon	29-May-2023	28-May-2025	28-May-2025	Hospitals in Luzon Medical and healthcare professionals Health agencies (DOH) Patients with respiratory illnesses
6	RDA-CED-2023-06B VRV Biobanking P2: Molecular Profiles and Biobanking of Vector- Borne Viruses in Selected Hospitals in Luzon	1-May-2024	28-May-2025	28-May-2025	Hospitals in Luzon Medical and healthcare professionals Health agencies (DOH) Vector-borne disease patients
7	RDA-CED-2024-01 Bench-Scale Monolaurin Production for Food Application	18-Dec-2023	31-Mar-2025	17-Jun-2025	1. Food industries
8	RDA-CED-2024-02 Utilization of Banana Peel Wastes from Agro-Industrial Processing as Alternative Flour and Dietary Fiber Source and Its Applications	1-Jan-2024	31-Dec-2024	31-Dec-2025	Large-scale food manufacturers and other stakeholders in the agro-industrial processing industry sector, including Manila Catering Corporation (MCC)
9	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	31-Mar-2025	2. Exempts, and thair cooperatives with product. Local taho/tofu producers, soybean/soymilk industry, formulation chemist, academe, research and development institutes and LGUs
10	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	30-Jun-2025		Businessmen and women of the essential oils' producers and exporters in the country Farmers and land owners Paper-based microfluidic colorimetric sensor fabricators
11	RDR-CED-2024-05 Laboratory Scale Production of Chemically Activated Carbon from Peanut and Coconut Shell	1-Jan-2025	31-Dec-2025		Agro-industries MSMEs and startups
12	RDR-CED-2025-3 Pectin Prebiotic Supplement: Formulation and Toxicity Studies	1-Jan-2025	31-Dec-2025		Pharmaceutical industries Individual consumers Local fruit producers
13	RDR-CED-2025-1 Design and Prototyping of Sodium-Ion Battery Using Renewable Materials for Solar PV System Energy Storage (Phase 2) - Upscaling Full-Cell Capacity and Overall Performance Enhancement	1-Jan-2025	31-Dec-2025		Solar PV providers Local battery manufacturers Local communities
14	RDR-CED-2025-2 Valorization of Agro-Industry Processing Waste and By-Products through the Modular Multi-Industry Innovation Center (MMIC)	1-Jan-2024	31-Dec-2024		Agro-industries MSMEs and entrepreneurs Local communities
ENVIRO	DNMENT AND BIOTECHNOLOGY DIVISION				
15	LFP-EBD-2021-02 Combination Therapy: Lytic Bacteriophages and Plant Extracts against Multidrug-Resistant Bacteria	1-Jul-2021	30-Jun-2024	30-Jun-2025	Medical Institutions and pharmaceuticals Female and male researchers working on phage therapy
16	LFP-EBD-2021-03 Detection of food and water-borne bacterial pathogens using phage-based diagnostics	1-Jul-2021	28-Feb-2025		Public Health Research/ Academe

			_		
No.	Project Title	Date Started	Complet		Beneficiaries
17	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	Original 28-Feb-2025	Revised 30-Jun-2025	1.Diagnostics and vaccines developers. 2.Male and female researchers are focused on the control and management of Flavivirus infections. 3.The child-bearing population
18	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-2024	30-Mar-2025	Philippine Pig Farmers Regulatory Agency like BAI
19	RDA-EBD-2022-01 Comparative Study Between Standard Methods and Philippine Made PM and CO Measuring Devices	17-Jan-2023	16-Jan-2024	15-Jan-2025	Filipino researchers working on air quality sensors and device development DENR and DTI Emission testing centers and industries
20	RDA-EBD-2023-3 Computational Design of Multi-epitope Subunit Vaccines for Protection against Pathogenic Swine Viruses	1-Feb-2023	31-Jan-2025		Pig farmers Swine industry stakeholders Veterinary vaccine developers
21	RDA-EBD-2024-03 Generation of a Plant Virus Vector for Protein Expression and Functional Gene Analysis in Abaca and Banana	1-Jan-2023	31-Dec-2024	31-Dec-2025	Researchers Farmers producing Abaca and Banana Abaca Breeders Industry stakeholders
	RDA-CED-2023-01 (for year 1)	4 1 25	04.5		
22	RDA-EBD-2024-06 Biological Control Potential of Bacteriophage Cocktails for Bacterial Diseases of Papaya RDA-CED-2023-02 (for Y1 up to Y2 (Q2))	1-Jan-2023	31-Dec-2025		Industry stakeholders Farmers producing Papaya Phage researchers
23	RDA-EBD-2023-06 Establishment of the Biodegrability, Eco-toxicity, and Compostability Testing Facility in the Philippines (BEC-lab)	1-Dec-2023	30-Nov-2025		Packaging Industry, Plastic Manufacturers, Local Government Units, and Research Institutions The potential beneficiaries of this project are as follows: manufacturers of oxo-biodegradable, 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).
24	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	30-May-2025		Philippines swine industry Potential for regional (and maybe global) distribution Bioassets (Potential technology taker)
25	RDA-EBD-2024-05 Implementation of an Integrated Solid Waste Management in DOST	1-Oct-2024	30-Sep-2025		DOST Offices and Employees
26	RDR-EBD-2023-05 Development of Algal-Bacterial (ALBA) Wastewater Treatment System for Swine Industry (Phase 2)	1-Jul-2023	30-Jun-2024	31-Mar-2025	Hog raising industry
27	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	30-April-2025	Community- awareness in the consumption of food and water contaminateed with PFAS 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.
28	RDR-EBD-2024-02: Detection and Monitoring of Chlorinated Ethenes and Organohalide Respiring Bacteria in the Philippine Water Bodies	1-Jan-2024	31-Dec-2025		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)
29	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
30	RDR-EBD-2024-07: Development of Solar Powered Standalone Desalination System for Coastal Areas: Integration with SAFEWATRS and Reverse Osmosis Technology	15-Apr-2024	14-Oct-2025		Coastal Area/Small Island Community
31	RDR-EBD-2024-08: Updating of Chemical and Hazardous Waste Management System of ITDI	15-Apr-2024	14-Apr-2025		ITDI employees Policy makers
32	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

No.	Project Title	Date Started	Complet		Beneficiaries
33	RDR-EBD-2025-01: Implementation of an Effective Solid Waste Management Program for ITDI: Part III - Establishment and Operation of	1-Jan-2025	Original 31-Dec-2025	Revised	DOST and its attached agencies 2. Other NGAs Other stakeholders on waste management and recycling
	an Institutional Materials Recovery Facility (MRF)				
34	RDR-EBD-2025-04: Health and Safety Assessment of Potential Non-Environmentally Acceptable Products/Packaging (NEAP)	1-Apr-2025	30-Sep-2025		DENR-EMB National Solid Waste Management Commission
35	RDR-EBD-2025-03:Scaling-up of ITDI electric plastic densifier	1-Apr-2025	30-Jun-2026		Government agencies that will adopt the technology Fabricators and plastic economy Public and private companies/ communities/ individuals that will adopt the technology
36	RDR-EBD-2025-02:Prototyping of biogas-septic tank system using a 1,000 L Portable Biogas Digester	1-Apr-2025	31-Mar-2026		Urban and Rural Households Barangay LGUs Poor urban communities Ressettement Areas Silit Communities J. BJMP Other organization and NGOs
37	RDR-EBD-2025-05:Screening of commercial soil amendments for development of standard inoculant for biodegradation test	1-Apr-2025	31-Mar-2026		Government agencies and other testing/research facilities that will adopt the technology Manufacturers of plastics Public and private company/individual that will adop the technology
	PROCESSING DIVISION	4.4. 0004		0.4.14	1. 45.05
38	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	31-Mar-2026	Y.E.S Export and Import Corporation Custom Made Crafts Center, Inc (CMCC)
39	RDA-FPD-2025-01 Utilization of Out-of- Specification Saba Bananas from Banana Chip Production in the Development of Shelf-Stable Banana Products	1-Jan-2025	1-Dec-2025		See's Manufacturing Corporation
40	RDA-FPD-2024-01 Test Application of Air Classification Technology for Plant Proteins, Starches and Fibers from Mung Bean as Food Ingredients (ITDI Component)	1-Aug-2024	Jun 2026		Local Producers of coconut, VCO, legumes, rice and rice bran 2. Local food processors ingredient and food additive suppliers
41	RDR-FPD-2024- 07 Design and Development of a Batch Spray-type Pasteurizer	1-Jan-2024	31-Dec-2025		Local Fabricator Food Manufacturers
42	RDR-FPD-2024- 08 Process Improvement, Automation, and Upscaling of ITDI-Developed Acetator	1-Jan-2024	31-Dec-2025		Processors/ MSMEs Coconut industry Superindustry Coconut industry Fig. 1. Support and Import Corporation
43	RDR-FPD-2025-01 Process Development and Field Testing using MMFPF Aseptic Line for Shelf Stable Coconut Water and Coconut Milk in Aseptic Bags	1-Jan-2025	31-Dec-2025		Farmers and cooperatives processors, manufacturers and traders Fruitas Holdings
44	RDR-FPD-2025-02 Quality Improvement Through Agitated Retort Processing of Selectyed Thermally Processed Local Products: Coconut Milk and its Based Products and Ube Puree/ Jam	1-Jan-2025	30-Jun-2026		1. Food manufacturers 2. Food consumers 3. Government agencies involved in thermal processing 4. Food trade organization/ association 5. Academic institutions 6. Farmers/ suppliers
45	RDR-FPD-2025-03 Development of High Fiber and High Protein Composite Flour for Food Industry Application	1-Jan-2025	31-Dec-2025		Existing SAGIP nutriflour adopter Food processing industry including local communities and cooperatives Government and Non-government agencies involved i DRRM, livelihood and feeding program
46	RDR-FPD-2025-04 Development of Food Pilot Plant and Innovation Center (FPPIC) Task Management System	1-Jan-2025	31-Dec-2025		FPD staff
47	RDR-FPD-2025-05 Ensuring Quality and Authenticity of Philippine Calamansi Juice Extracts Through Chemical and Physico-Chemical Profiling and Chemometric Analysis	1-Apr-2025	31-Mar-2026		Calamansi farmers and growers Calamansi juice processors SExporters of calamansi products Local and international consumers SMES involved in calamansi processing FDA and BAFS
1ATER 48	IALS SCIENCE DIVISION 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-25	Industries: biomedical (bone implants, tissue engineering) Academe: development: development of technologies and expertise on 3D printing

No.	Project Title	Date Started	Complet		Beneficiaries
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)	25-Jan-23	Original 24-Jan-25	Revised	The target beneficiary of the research is the wide adoption of metal 3D printing particularly for stakeholders in the biomedical, aerospace and tooling industry.
50	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 Plastic Industries Solid waste management sectors Housing and Construction industry Industry/Household consumer
51	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-26		Manufacturing industry, medical field, Construction industry, consumer sector, researcher, Product developer, and The country.
52	RDA-MSD-2023-07 Post-radiation Reactive Extrusion of Plastic Waste (PREx Plastic)	1-Jul-23	30-Jun-25	31-Dec-2025	Post consumer plastic waste recycler
53	RDA-MSD-2024-01 Capacity Building for Failure Analysis of Semiconductor Samples	1-Jun-24	30-Jun-26		Semiconductor and electronics industry Academe R&D Institutions Government agencies Metal industry
54	RDA-MSD-2025-01 TG-GC MS Profiling of Selective Markers of Microplastics in Milkfish and Water Samples Using TG-GC/MS (PCAARRD)	1-Jan-25	30-Jun-26		Policy makers Researchers Small scale aquaculture sector Local barangays Everyday Filipino fish consumers
55	RDA-MSD-2025-02 Design, Development and Fabrication of an All- electric 18-seater Tourist Transport Tram with Charging Station for Intramuros, Manila	15-Jan-25	14-Nov-25		Local community Convernment agencies on transportation and tourism (Intramuros Administration)
56	RDA-MSD-2025-03 Data Driven Framework for Powder Production and Additive Manufacturing of Cobalt-less Maraging Steel Alloy System	1-May-25			Die and mold, and plastic Industries (ADVANTEK Inc.) AMBER Kinetics and Manly Plastics) Academe Government agencies
57	RDR-MSD-2025-01 Nano Tio2 Coating System for Solar Panel Application (Phase 2)	1-Jan-2025	1-Dec-2025		Renewable energy producers Households and businesses utilizing solar energy Solar panel manufacturers and distributors Renewable energy advocates and policymakers Research and academic institutions Local communities Finionmental advocates
58	RDR-MSD-2025-02 Fabrication and Characterization of Lightweight Tobacco Stalk Short Fiber-Reinforced Biocomposite with High Thermal Stability- (Phase 1)	1-Jan-2025	1-Dec-2025		Plastic and composite manufacturing industries Government agencies Local communities
59	RDR-MSD-2025-03 Preliminary Screening on the Fabrication and Characterization of Weavable Polymer/Waste Vetiver Roots Composite for Furniture Applications (Phase 1)	1-Jan-2025	1-Dec-2025		Researcher (academe, other institutions) Prospective manufacturers
60	RDR-MSD-2025-04 Hydrophobic Surface Modification of 3D-printed Membrane for Water Desalination Application	1-Jan-2025	1-Dec-2025		Public health sector
61	RDR-MSD-2025-05 Development of Vacuum 3D Printing Technology for Improved Performance of Additively Manufactured Composites	1-Jan-2025	1-Dec-2025		Automotive and Aerospace industry Biomedical industry Consumers of 3D printed products
62	RDR-MSD-2025-06 Trace Heavy Metal Detection in Epoxy-based Die Attach Adhesives used in Semiconductor Packaging via Total Reflectance X-Ray Fluorescence Spectroscopy	1-Apr-2025	1-Mar-2026		Semiconductor assembly plants Other industries General public

			Completi	ion Date	
No.	Project Title	Date Started	Original	Revised	Beneficiaries
63	RDR-MSD-2025-07 Development of polyethylene barrier film incorporated with nanomaterials for monomaterial packaging application	1-Jul-2025	1-Jun-2026		Non-food Fast-Moving Consumer Goods (FMCG) Companies Flexible packaging producers Plastic packaging suppliers Nanomaterial producers
	NAL METROLOGY DIVISION		20.5	00.1	
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	30-Dec-2024	30-Jun-2025	Local testing laboratories NML
65	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)	31-Dec-2025	Metro Manila LGUs
66	RDA-NMD-2024-01 Facility for Optimized Calibration of Infusion System (FOCuS)	1-Apr-2024	31-Mar-2026		Biomedical Society of the Philippines DOH Hospitals RCTLs NML
67	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-2025		1. Industry 2. RCTLs 3. NML
68	RDR-NMD-2025-01: Provision of Proficiency Testing Scheme on Determination of pH in Drinking Water	2-Jan-2025	31-Dec-2025		1. RSTLs 2. NML
69	RDR-NMD-2025-02: PT Scheme and Long-term Stability of Arsenic, Cadmium, Mercury, and Lead in Food Reference Materials	2-Jan-2025	31-Dec-2025		RSTLs Accreditation and Regulatory Bodies NML
70	RDR-NMD-2025-03: Application of Bacterial Microencapsulation Protocol for Reference Material Preparation	2-Jan-2025	31-Dec-2025		NML Local Microbiological Testing Laboratories
	GING TECHNOLOGY DIVISION	40 D	47.0		E. L. WOME
71	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-2026		Food manufacturers/MSMEs Farmers Consumers
72	RDA-PTD-2024-02 Migration Studies on Hazardous Contaminants from Locally-Available Food Contact Materials and Articles Proj. 1 Organic Contaminants Migration from Plastic and Paper Food Contact Materials and Articles Proj. 2 Inorganic Contaminants Migration from Plastic Food Contact Materials and Articles	1-May-2024	30-Apr-2026		Food manufacturers/MSMEs Farmers Consumers
73	RDR-PTD-2025-01 Carrageenan-Egg White-Edible Sachet (CEWES): A Sustainable Packaging Replacement for Instant Noodle Powdered Seasoning	01-Jan-2025	1-Dec-2025		Packaging manufacturers MSMEs Households/Growing Children
74	RDR-PTD-2025-02 Method Development and Validation of Total Oxidizable Contaminants Migrating from Monolayered Low Density Polyethylene and Polypropylene Films by Single Extraction and Titration	1-Jan-2025	1-Dec-2025		Consumers Regulatory Bodies e.g. FDA Philippines, BTI-BPS, DOC, etc. Packaging amd FCA/FCM stakeholders Testing Laboratories
75	RDR-PTD-2025-03 Data Acquisition of Shock and Vibration Data in Local Air Cargo within the Philippines	1-Jul-2025	30-June-2026		Transport Delivery service/logistics company General public
76	RDR-PTD-2025-04 Simulation Study on the Development of Collapsible Toilet Bowl for Emergency/Disaster Operations Ph 2	1-Jan-2025	1-Dec-2025		Elderly and Women General Public
77	RDR-PTD-2025-05 Development and Evaluation of Performance and Safety of Self-heating Packs for Food Application	1-Jan-2025	1-Dec-2025		Food manufacturers Concessioners Manufacturers of firecrackers and fireworks Uniformed personnel (i.e. PA, PNP, Rangers, PN, etc.) General public
78	RDR-PTD-2025-06 Application of Pineapple Leaf Fiber-Based Cushion Pads as Auxiliary Packaging for Honeydew Melon	01-Jan-2025	01-Jun-2026		Farmers.traders of fresh fruits as users PLF Fiber producers Local manufacturer
79	RDR-PTD-2025-07 Actual Market Simulation (AMSA) Planogram Method Ph 2	01-Jan-2025	01-Dec-2026		Brand owners Technology adaptors MSMEs
	ARDS AND TESTING DIVISION				
80	RDA-STD-2022-02 Validation and Standardization of Chemical Test Methods on Allergens and Preservatives Food Safety Parameters Among DOST Laboratories	1-Oct-2022	31-Sept-2025		1. DOST RSTLs - III Pampanga, IV-A Calabarzon, X CDO, XI Davao 2. FDA

2025 Projects Beneficiaries							
No.	Project Title	Date Started	Completion Date		D-m-finit-si		
			Original	Revised	Beneficiaries		
81	RDA-STD-2022-03 Smarter OneLab for Industry 4.0 through Testing and Calibration, Education, and Discovery (OneLab for TED)	1-Jan-2023	31-Dec-2025		1. MSMEs 2. LGUs 3. Manufacturing Industries 4. Export Firms 5. Hospitals 6. Academe 7. Researchers 8. Government Agencies 9. Policymakers		
82	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	1-Jan-2024	1-Dec-2025		Local manufacturers of cosmetics ingredients		