

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Status of 2022 implemented projects

No.	Project Title	Date Started	Completion Date		Status (Q4)
			Original	Revised	
CHEMICALS AND ENERGY DIVISION					
1	RDA-CED-2020-02 Design and Prototyping of Salt Harvesting Machine	1-Mar-2020	28-Feb-2021		Completed
		1-Mar-2021	28-Feb-2022	31-Oct-2022	
2	RDA-CED-2020-03 Nanostructured Herbal Extract of Momordica charantia (Bitter melon/Ampalaya), Allium sativum (Garlic) and Curmuma longa L. (Turmeric) as Antidiabetic Agents	1-Aug-2020	31-Jul-2021	Feb 28, 2022	Completed
3	RDA-CED-2021-01 Deployment of Energy Monitoring Application and Network at DOST (DEMAND) as Demonstration Sites	8-Feb-2021	8-Aug-2022		Completed
4	RDA-CED-2021-02 Green Oils and Phytochemicals from Cashew, Pili, Tomato seeds and Rubber Seeds	16-May-2021	15-May-2022		Ongoing
		16-May-2022	15-May-2023		
5	RDA-CED-2021-03 Government Energy Management Program (GEMP) Compliance Assessment of Local Government Units (LGUs)	05-May-2021	04-May-2022	4-Nov-2022	Completed
6	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-2023		Ongoing Y2
7	RDA-CED-2021-05 Establishment of Fuel Cell R&D and Testing Facility (Y1)	1-Sep-2021	31-Aug-2023		Ongoing Y2
	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		Ongoing
8	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	28-Feb-2022	Completed
9	RDR-CED-2021-04 Sensory and Physicochemical Refinements in Some Personal Healthcare Products using Calamansi Essential Oils (former title 'Reformulation and Innovations in Some Personal Healthcare Products Using MMIC Equipment')	1-Aug-2021	31-Dec-2021		Completed
		1-Jan-2022	31-Jul-2022		
10	RDR-CED-2022-01 Development of Copper-Based Nanomaterial as Additional Layer for Masks	1-Jan-2022	31-Dec-2022		Completed
11	RDR-CED-2022-02 Design of Energy Material from Biomass-derived Starting Material as Nanofiller for Fabrication of Hybrid Composite for Fuel Cell Application	1-Jan-2022	31-Dec-2022		Completed
12	RDR-CED-2022-03 Development of Mini-Computer and Micro-Controller Based Programmable Logic Controller (PLC) Applications for a Selected MMIC Equipment and a CED Laboratory Equipment	1-Jan-2022	31-Dec-2022		Ongoing
13	RDR-CED-2022-04 Screening of Biological Activities and Secondary Metabolites from Two (2) Endemic Species of Vanoverberghia	1-Aug-2022	31-Jul-2023		Ongoing
ENVIRONMENT AND BIOTECHNOLOGY DIVISION					

13	RDA-EBD-2020-01 Integrated Mapping, Monitoring, Modelling and Management System for Manila Bay and Linked Environments (IM4ManilaBay) Project 3: Management of Dredge Material: Characterization, Treatment and Disposal (CharTed DreaM)	1-Jul-2020	31-Jan-2021	31-Dec-2021	Completed
14	RDA-EBD-2020-02 Cataloging Possible Philippine Strains of Zika and African Swine Fever Viruses and Coconut Cadang-Cadang Viroid through Genome Sequencing	1-Jul-2020	1-Mar-2021	Mar-2022	Completed
15	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 (approved)	Ongoing
16	LFP-EBD-2021-02 Combination Therapy: Lytic Bacteriophages and Plant Extracts against Multidrug-Resistant Bacteria	1-Jul-2021	30-Jun-2022	30-Jun-2024 (approved)	Ongoing
17	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 (approved)	Ongoing
18	LFP-EBD-2021-04 De novo synthesis of a non-Infective Flaviviridae pseudovirus: 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 (approved)	Ongoing
19	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 (approved)	Ongoing
20	RDA-EBD-2022-01 Comparative Study Between Standard Methods and Philippine Made PM and CO Measuring Devices	1-Jan-2022	31-Dec-2022		Ongoing
21	RDA-EBD-2022-02 Deployment of Drinking Water Treatment System for Selected Indigenous People (IP) Communities in the Province of Tarlac	1-Jan-2022	31-Dec-2023		Ongoing
22	RDA-EBD-2022-03 Waste Analysis and Characterization Study (WACS) in Public Markets: Support to Effective Solid Waste Management of Selected Public Markets in Manila	1-Dec-2021	30-Sep-2022		Completed
23	RDA-EBD-2022-04 Economic and Life Cycle Analysis of Single-use Plastic in the Philippines	1-Aug-2021	31-Jul-2022		Completed
23	RDA-EBD-2022-05 Pilot Testing of the UpEDS	1-Sep-2021	30-Aug-2022		Ongoing
24	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-2020		Ongoing
		1-Jan-2021	31-Dec-2021		
		1-Jan-2022	31-Dec-2022		
25	RDR-EBD-2020-04 Design, Modeling, and Simulation of an Improved In-vessel Composting System	17-Feb-2020	31-Dec-2020		Completed
		1-Jan-2021	31-Dec-2021		
		1-Jan-2022	31-Dec-2022	30-June-2022 (approved)	
26	RDR-EBD-2020-05 Development of Air Biofilters for the Control of Ammonia	17-Feb-2020	31-Dec-2020		Completed
		1-Jan-2021	31-Dec-2021	31-March-2022 (approved) 30-June-2022 (approved)	
27	RDR-EBD-2020-07 Upgrading of the Emergency Water Disinfection System	1-Mar-2020	31-Dec-2021	31-Jan-2022	Completed

28	RDR-EBD-2021-01 Development of an Algal-Bacterial (ALBA) Wastewater Treatment System	1-Jul-2021	31-Dec-2021	30-Jun-2022 (approved)	Completed
			1-Jan-2022		
29	RDR-EBD-2021-03 Biofilm inhibitory activity of Talisay (<i>Terminalia catappa</i> L.) leaf extract against shrimp pathogen <i>Vibrio</i> sp. and its potential as feed supplement Phase 1	1-Jan-2021	31-Dec-2021	31-March-2022 (approved)	Completed
30	RDR-EBD-2022-01 Pilot-Scale Anaerobic Digestion of Fruit and Vegetable Waste for Biogas Production CENMACO, Inc.	1-Jan-2022	31-Dec-2022		Completed
31	RDR-EBD-2022-02 Biofilm inhibitory activity of Talisay (<i>Terminalia catappa</i> L.) leaf extract against shrimp pathogen <i>Vibrio</i> sp. and its potential as feed supplement Phase 2: Immunomodulatory effects of Talisay-supplemented feed on <i>Vibrio</i> -challenged whiteleg shrimp (<i>Penaeus vannamei</i>)	1-Jan-2022	31-Dec-2022		Completed
32	RDR-EBD-2022-03 Microbial and Chemical Profile of Kombucha Tea made from Different Symbiotic Colonies of Bacteria and Yeasts (SCOBYs) in the Philippines Phase 1. Phenotypic and Genotypic Characterization of Microorganisms Responsible for Kombucha Fermentation (Year 1) Phase 2. Chemical Profile and Antioxidant Activity of Kombucha (Year 2)	1-Jan-2023	31-Dec-2023		Completed
33	RDR-EBD-2022-04 Detection of Enteroviruses (EnV) in Wastewater System using Polymerase Chain Reaction (PCR)	1-Feb-2022	31-Jan-2023		Completed
34	RDR-EBD-2022-05 Carbon Dioxide Removal from Stack Gases by Polymeric Hollow Fiber Membranes	1-Jan-2022	31-Dec-2023		Ongoing
35	RDR-EBD-2022-06 Operation of the DOST Sewage Treatment Plan (STP) and Development of Strategies for Water Reuse	1-Jan-2022 1-July-2022 (approved)	30-Jun-2023		Ongoing
36	RDR-EBD-2022-07 Qualitative and Quantitative Assessment of Microplastics along the key sites of Laguna de Bay, Philippines	1-Jan-2022 1-July-2022 (approved)	31-Dec-2022	31-June-2023 (approved)	Ongoing
FOOD PROCESSING DIVISION					
37	RDA-FPD-2020-11 Plant Protein Products from Local Sources	1-Jul-2020	30-Jun-2021		Completed
		1-Jul-2021	31-Dec-2022		
38	RDA-FPD-2021-01 Development of Halal Compliant Dehydrated Food Products from Selected Food Materials (Fruits, Vegetables and Rootcrops)	1-Jan-2021	31-Dec-2021		Completed
		1-Jan-2022	31-Dec-2022		
39	RDA-FPD-2021-02 Establishment of Halal Assurance System For Selected Food Ingredients (Dried and Powdered Onions, Garlic, BlackPepper and Chilli)	1-Jan-2021	31-Dec-2021	22-Mar-2022	Completed
40	RDA-FPD-2021-03 Development of Draft Standards and Recommended Code of Practice for Processing of Peanut Butter	1-Jan-2021	Dec 31 2021		Completed
		1-Jan-2022	Jun 1 2022		

41	RDA-FPD-2021-04 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		Ongoing
		26-Jan-2022	25-Jan-2023		
42	RDA-FPD-2021-05 Technical Support for DOST Regional Food Innovation Centers (rFICs) Sub -Project 1: Equipment Operation and Upscaling Sub-Project 2: Design and Development of Food Product Prototypes and Recognition of Most Innovative Products	1-Mar-2021	31-Dec-2022		Ongoing
43	RDA-FPD-2021-06 Development of Competency on Establishment and Validation of Adequate Processes for Thermally Processed Food	1-Apr-2021	31-Mar-2022		Completed
		1-Apr-2022	31-Mar-2023		Ongoing
44	RDA-FPD-2021-08 Thermal Processing of Selected Materials Using Agitated-Type Retort	16-May-2021	31-Dec-2021	20-July-2023	Ongoing
45	RDA-FPD-2021-09 Production of Dietary Fiber using Sugarcane Bagasse from Raw Sugar Manufacturing	1-Apr-2021	31-Mar-2022		Ongoing
		1-Apr-2022	31-Mar-2023		
46	RDR-FPD-2021-01 Modified Texturization Procedures of Restructured Fruits for Thermal Processing Applications	1-Jan-2021	31-Dec-2021	31-Mar-2022	Completed
47	RDR-FPD-2021-02 Thermal Process Validation of Traditional and Ethnic Bottled Products- Acidified-Pasteurized Vegetables (Ubod, Ampalaya and Mixed Vegetables)	1-Jan-2021	31-Dec-2021	31-Mar-2022	Completed
48	RDR-FPD-2021-03 Development of Potential Natural Antimicrobial from Local Food Ingredients and Food Application	1-Jan-2021	31-Dec-2021	30-Jun-2022	Completed
49	RDR-FPD-2021-04 Improvement of Functional Components of Existing Horizontal Water Spray Retort	1-Apr-2021	31-Mar-2022		Completed
51	RDR-FPD-2022-01 Development of Shelf Stable Randang Sauce	1-Feb-2022	31-Dec-2022		Ongoing
52	RDR-FPD-2022-02 Physicochemical characterization of Used Palm Olein and Coconut Oil from Vacuum Frying of Okra and Carrots as Affected by the Frying Cycle	1-Feb-2022	31-Dec-2022		Completed
53	RDR-FPD-2022-03 Improvement of Exterior Features of Existing Horizontal Water Spray Retort with Timing Control System Upgrade	1-Apr-2022	31-Mar-2023		Ongoing
54	RDR-FPD-2022-04 Pilot Scale Production and Market Testing of GAD-Developed Shelf Stable Food Products	1-Jan-2022	1-Dec-2022		Completed
55	RDR-FPD-2022-05 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	Ongoing
56	RDR-FPD-2022-06 Safety and Quality Evaluation and Testing of DOST-ITDI Developed Cacao Roaster Equipment	1-Oct-2022	30-Sep-2023		Ongoing
MATERIALS SCIENCE DIVISION					
56	RDA-MSD-2019-01 Program: Advanced Additive Manufacturing R & D Project 1: Development of Multiple Materials Platform for Additive Manufacturing (MATDEV)	1-Jan-2018	31-Dec-2019		Completed
		1-Jan-2020	31-Dec-2021		
		1-Jan-2021	31-Dec-2021	31-Dec-2022	

57	RDA-MSD-2021-01 ADMATEL Expansion towards Long Term Competitiveness and Sustainability- Phase 2: ADMATEL geared for PHL Industry 4.0	1-Jan-2021	31-Dec-2021	31-Dec-2022	Completed
		1-Jan-2022	31-Dec-2022		
58	RDA-MSD-2022-01 Nanotexturing of Stainless Steel 316L by Electrochemical Etching for Biological Implants (CRADLE Project)	1-Jan-2022	31-Dec-2022		Ongoing
	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		Ongoing
59	RDR-MSD-2022-01 Porous Inorganic Nanocarriers In Drug Delivery System - Year 2	1-Jan-2022	31-Dec-2022		Completed
60	RDR-MSD-2022-02 3D-Printed Carbon-based Flexible Piezoresistive Wearable Sensor for Smart Device Gesture to Speech Applications - Phase 2	1-Jan-2022	31-Dec-2022		Completed
61	RDR-MSD-2022-03 Development of an Antimicrobial Wound Dressing from Bacterial Cellulose-Nanoclay composite - Phase 2	1-Jan-2022	31-Dec-2022		Completed
62	RDR-MSD-2022-04 Cellulose Nanocrystals (CNC) derived from Ananas Comosus leaves for Industrial Applications and Biomedical Applications - Phase 1	1-Jan-2022	31-Dec-2022		Completed
63	RDR-MSD-2022-05 Development of Bioinspired Composite Membrane Separators for Advanced Rechargeable Lithium-ion Batteries - Phase 2: Evaluation and Testing of the Bioinspired Membrane Separators in Rechargeable Lithium-ion Batteries	1-Jan-2022	31-Dec-2022		Completed
NATIONAL METROLOGY DIVISION					
64	RDA-NMD-2022-01 Development and Provision of Proficiency Test Scheme in Shrimp Product for Local Microbiological Laboratories	1-Nov-2021	31-Oct-2023		Ongoing
65	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-Nov-2023	Ongoing
66	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		Ongoing
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-2022	31-Dec-2022		Ongoing
68	Enhancement of the Competence and Capabilities of the National Metrology Laboratory of the Philippines				
	RDRD-2017-NMD-01 Project 1 : Chemical Metrology for Organic Contaminants in Food and Water	1-Jan-2017	31-Dec-2017		Ongoing
		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			
69	RDRD-2017-NMD-02 Project 2 : Chemical Metrology for Inorganic Toxic Elements in Food and Water	1-Jan-2017	31-Dec-2017		Ongoing
		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		
70	RDRD-2017-NMD-03	1-Jan-2017	31-Dec-2017		Ongoing

	Project 3 : Biological Metrology for Microorganisms in Food	1-Jan-2018	31-Dec-2018		
		1-Jan-2019	31-Dec-2019		
		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		
71	RDRD-2017-NMD-04 Project 4: Strengthening the Physical Metrology Capabilities of the National Metrology Laboratory (NML)	1-Jan-2017	31-Dec-2017		Ongoing With approved letter of commitment signed by PCIEERD to conduct remaining activity (i.e. DAKKS accreditation is still pending due to pandemic-related restrictions; DAKKS guidelines stated that the initial assessments cannot be carried out remotely.) beyond the original completion date.
		1-Jan-2018	31-Dec-2018		
		1-Jan-2019	31-Dec-2019		
		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		
PACKAGING TECHNOLOGY DIVISION					
72	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		Ongoing
		1-Feb-2022	31-Jan-2023		
73	RDA-PTD-2021-02 Pilot Testing of Packaging Technology Developed for Frozen Durian using Locally Produced Packaging Materials	16-Apr-2021	15-Apr-2022		Ongoing
		16-Apr-2022	15-Feb-2023		
74	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-2023		Ongoing
75	RDR-PTD-2021-02 Development of random vibration test procedures/methods using Acquired shock and vibration data in the last leg delivery of small products within Metro Manila	1-Aug-2021	30-Jun-2022	01-Jan-2022 to 31-Dec-2022	Ongoing
			1-Jul-2022	30-Jun-2023	
76	RDR-PTD-2021-03 Quality and Safety Monitoring of Chilled Ready to Heat/Eat Foods Using Intelligent Packaging with Time Temperature Indicators	1-Apr-2021	31-Dec-2021		Completed
		1-Jan-2022	31-Mar-2022		
77	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		Ongoing
		1-Apr-2022	31-Mar-2023		
78	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		Ongoing
		1-Jul-2022	28-Feb-2023		
79	RDR-PTD-2022-01 Development of Brand Name and Label Design for Unique Philippine Products (Phase 3)	1-Jan-2022	31-Dec-2022		Ongoing
80	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	1-Jan-2022	30-Jun-2023		Ongoing
81	RDR-PTD-2022-03 Development of Four Generic Cushion Designs Made from Corrugated Boards for Non-Food Product Protection	2-Feb-2022	31-Oct-2022		Completed
82	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		Ongoing

83	RDR-PTD-2022-05 Preliminary Consumer Safety Studies on PFAS (Per- and Poly-Fluoroalkyl Substances) in Paper-Based Packaging of Most Common Takeout and Delivery Food Products During the COVID-19 Pandemic	2-Feb-2022	31-Jul-2023		Completed (duration shortened)
84	RDR-PTD-2022-06 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		Ongoing
85	RDR-PTD-2022-07 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		Ongoing
86	RDR-PTD-2022-08 Effect of Shock and Vibration on the Quality and Shelf Life of Mangosteen Sourced from Davao (Phase 2)	1-Jul-2022	31-Dec-2022		Deferred for next year (2023)
87	RDR-PTD-2022-09 Pilot Testing of Packaging Technology for Pork Lechon	1-Jun-2022	31-May-2023		Ongoing
PLANNING AND MANAGEMENT INFORMATION SYSTEMS DIVISION					
88	RDA-PMISD-2021-01 Development of FIC Competency in Moving New Products from Concept to Market Launch	1-Jan-2021	31-Dec-2021		Completed
		1-Jan-2022	30-Jun-2022		
89	LFP-PMISD-2020-01 ITDI Information Technology Capability Enhancement and Sustainability	1-Jan-2020	31-Dec-2020		Ongoing
		1-Jan-2021	31-Dec-2021		
		1-Jan-2022	31-Dec-2022		
STANDARDS AND TESTING DIVISION					
90	RDA-STD-2019-01 Upgrading of ITDI-Laboratory Animal Facilities in Support for Tuklas Lunas and Other DOST Programs, and Industry Needs	4-Nov-2019	3-Nov-2020		Ongoing
		4-Nov-2020	3-Nov-2021	3-Nov-2022 (approved)	
91	RDA-STD-2021-02 Towards Leveling-up OneLab for Research, Development and Innovation	1-Feb-2021	31-Jan-2022	30-Apr-2022 (approved)	Completed
92	RDA-STD-2021-03 Scale-up Production, Stability, and Application of Natural Colorants for Cosmetics	1-Jan-2021	31-Dec-2021		Ongoing
		1-Jan-2022	31-Dec-2022		
93	RDA-STD-2022-01 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		Ongoing
	RDA-STD-2022-02 Validation and Standardization of Chemical Test Methods on Allergens and Preservatives Food Safety Parameters Among DOST Laboratories	1-Oct-2022	1-Sep-2025		Ongoing
94	RDR-STD-2021-01 Development and Validation of HPLC Methods for Food Samples	1-Jan-2021	31-Dec-2021	31-Mar-2022	Completed
			1-Jan-2022		
95	RDR-STD-2021-02 Development of Soil Quality Control Material for As, Cd, Hg, and Pb	1-Jan-2021	31-Dec-2021	31-Mar-2022	Completed
			1-Jan-2022	31-Dec-2022	
96	RDR-STD-2022-01 Program: Enhancement of ITDI-STD Fuel Testing Services Phase 1: Enhancement of Fuel Testing Capability on Self-heating, Proximate and Ultimate Analyses in Coconut Shell-based Charcoal Briquettes and Activated Carbon	1-Jan-2022	31-Dec-2022		Completed

97	RDR-STD-2022-02 Development of Internal Quality Control Material (IQCM) for Anions in Aqueous Solution from Laboratory Chemical Wastes	1-Jan-2022	31-Dec-2022		Completed
98	RDR-STD-2022-03 Capacity Building for Preservative Efficacy Test (PET) for Cosmetics	1-Jan-2022	31-Dec-2022		Ongoing
99	RDR-STD-2022-04 Validation of Test Method for the Determination of Arsenic in Fish	1-Jan-2022	31-Mar-2023		Completed
TECHNOLOGICAL SERVICES DIVISION					
100	RDA-2021-TSD-01 Technical Support to DOST Regional Food Innovation Centers	1-Mar-2021	28-Feb-2022		Ongoing
		1-Mar-2022	28-Feb-2023		
101	RDA-2021-TSD-02 Development of Mobile Modular Food Processing Facility (MMFPF)	1-May-2021	30-Apr-2023		Ongoing