

**NUMBER OF R&D PROJECTS IMPLEMENTED WITH BENEFICIARIES
2015**

PROJECT CODE	PROJECT TITLE	STATUS	DATE START	DATE END	BENEFICIARIES
CED	7				
RDR-CED-2014-11	Oxidized Starch for Various Industrial Application (Formerly Modified Starch for Various Industrial Application)	Completed	4/1/2014	3/31/2015	Textile Industry Food Industry Pharma/Cosmetics Industry Paper/Glue Industry
RDA-CED-2012-07	Extraction Characterization and bio-assay for Larvicidal Activity of Some Philippine Medicinal Plants Yr. 3	Completed	5/1/2014	9/30/2015	Healthcare Industry
RDR-CED-2014-03	Activated Carbon and Charcoal Briquettes from Waste Peels of selected Fruits and Rootcrops	Completed	7/1/2014	3/31/2015	Food Industry & Food Importers
RDR-CED-2014-04	Fluidized Bed Combustion and Gasification of Refuse Derived Fuel (RDF) from Biomass-Plastic Wastes for Heat and Power Generation	Completed	7/1/2014	3/31/2015	Users of solid fuel such as coal fired power plants, cement kilns, biomass and coal fired boilers.
RDR-CED-2015-03	Purification and Production of Pharmaceutical Grade Calcium Carbonate	New-ongoing	2/1/2015	12/31/2015	Health-care Industry
RDR-CED-2015-02	Design of Purification System for Fuel-Grade Ethanol using Zeolite-Based Molecular Sieve	New-ongoing	3/15/2015	12/31/2015	"1. Petroleum dealer/producers 2. Support Cleaner Act Law."

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RDR-CED 2015-04	Modified Starch for Various Industrial Application	New-ongoing	3/16/2015	12/31/2015	Cassava industry stakeholders, food processing and
EBD	8				
RDA-EBD-2012-06	Assessment of Potentially Non-Environmentally Acceptable Products/Packaging (Conduct of Life Cycle Assessment of HDPE and LLDPE Grocery Bags and Polystyrene Paper)	On-going	7/1/2012	12/31/2015	NSWMC and Local Government Units (LGUs)
RDA-EBD-2013-01	Microbial Community and Biochemical Profiling for Microbial Augmentation and Development of Quality Indicators for Cacao Fermentation and Processing Study 6: Development of Quality Indicators for Fermented, Dried and Roasted Cacao	Completed	1/1/2013	6/30/2015	Cacao Farmers and Processors
RDA-EBD-2013-02	Setting-up of Sewage Treatment Plant in the DOST Bicutan Compound	On-going	4/1/2013	12/31/2015	DOST
RDR -EBD-2014-08	Pilot-Scale Treatment of Wastewater using Anaerobic Sequencing Batch Reactor (ASBR)	Completed	2/1/2014	7/31/2015	Food Processing industries including meat processors

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RDRA-EBD-2014-10	Development of a Compact Wastewater Treatment System Enhanced with Bio-Augmentation Technology for Quick Service Restaurants (QSRs)	On-going	4/1/2014	12/31/2015	Quick service restaurants (QSR) industry
RDA-EBD-2014-03	Development of a Small Scale In-Vessel Composter for Biodegradable Solid Wastes	Completed	8/1/2014	7/31/2015	DOST
RDR-EBD-2015-03	Treatment of Modified Starch Processing and Post-consumer Polymeric Wastes	New-ongoing	4/1/2015	12/31/2016	Modified Starch processing industry and similar wastewater from
RDR-EBD-2015-02	Oil Spill/Sheen Remediation using Nano-Engineered Adsorbents and Composites	New-ongoing	4/1/2015	3/31/2016	Petrochemical industry non-petroleum oil producing industry
EBD, CED	1				
RDR-ITDI-2015	Design of CO2 Capture System Utilizing Molecular Sieve Membrane Technology	New-ongoing	4/1/2015	3/31/2016	Cassava industry stakeholders, food processing and bioplastics industries.
FPD	12				
RDA-FPD-2012-011	Improving the Quality of Solid Cocoa Liquor Including Molded Cocoa Nibs & Developing the Capability of Small Scale Processors in the Manufacture of Intermediate Cocoa Products	Completed	11/15/2012	6/30/2015	Cocoa Farmers and Processors

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RDA-FPD-2013-10	Design and Fabrication of Equipment for the Production of Local Cocoa Products (Technological Support for the Upgrading of Local Cacao and Cocoa Industry)	Completed	1/1/2013	6/30/2015	Food Processing Industry
RDR-FPD-2014-07	Development of Natural Food Coloring from the Philippine Purple Yam (Dioscorea Alata)	Completed	2/1/2014	3/31/2015	Local food processors, Consumers, Ube growers
RDR-FPD-2014-02	Standardization and Application of Cassava Products Processing Technology	Completed	4/1/2014	6/30/2015	Local Food Processors Consumers Sweet potato farmers
RDR-FPD-2014-08	Standardization of Intermediate Raw Materials from Sweet Potato: Dehydrated Grates and Frozen Puree	Completed	4/1/2014	9/30/2015	Local food processors Consumers Sweet potato farmers
RDA-FPD-2014-10	Pilot Scale Standardization of Product and Processes using Drum Drying on Selected Raw Materials (Mango, Banana and Makapuno)	Completed	4/16/2014	4/15/2015	Food Industry
RDA-FPD-2015-07	Establishment of Emergency Food Reserve (EFR) Production Capabilities of the Technoville Site in Barangay Tanza, Navotas City	New-ongoing	3/1/2015	12/31/2015	Brgy. Tanza, Cavite (Cooperator) Community-Government - Private Sector

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RDR-FPD-2015-02	Functional Characterization of ITDI-developed Modified Starches for Food Application: Oxidized, Acetate, Cross-linked, Heat-Treated	New-ongoing	3/1/2015	2/29/2016	Cassava farmers and starch producers
RDR-FPD-2015-01	Automation and Application of ITDI Developed Water Spray Retort for Rice-based Disaster Food	New-ongoing	3/1/2015	12/31/2015	Local processors of suman in Reg. 3 and Reg4A Government- Private Sector for emergency
RDR-FPD-2015-03	Utilization of Nano-Sized Calcium Carbonate as: a) Neutralizing Agent in Pineapple-sugar (as liquid sugar) Processing b) Alkalizing Agent in Cocoa Powder Making	New-ongoing	4/1/2015	3/31/2016	Manufacturers/processors of pineapple syrup and alkalized coco liquor, Pineapple and Cacao growers, consumers
RDA-FPD-2015-06	2015 ASEAN Food Conference	New-ongoing	4/1/2015	12/31/2015	Food Industry Food Scientist from
RDA-FPD-2015-05	Development of Competence of the DOST Food Innovation Center and Recognition of Most Innovative Products	New-ongoing	4/1/2015	12/31/2015	food Industry Consumers and DOST Regional Offices
MSD	8				
RDA-MSD-2014-09	Plasma-Treated Abaca Fiber Composites for Industrial Application (ITDI-KIMS Research Collaboration Project) Phase 2	On-going	1/1/2014	12/31/2016	1. Abaca growers and industry 2. Automotive and industrial company

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RDA-MSD-2014-10	Bench Scale Production Nano-Precipitated Calcium Carbonate for Food Application	Completed	1/1/2014	6/30/2015	1. Mining Industry 2. food Industry 3. Chemical industry
RDA-MSD-2015-01	Establishment of an Advanced Device and Materials Testing Laboratory for the Semiconductor and Electronics Manufacturing Industries (ADMATEL) Phase 4 Operation of ADMATEL	New-ongoing	1/1/2015	12/31/2015	1. Semiconductor Industries 2. Electronics Industries 3. Manufacturing Industries
RDA-MSD-2015-02	Southeast Asian Atmospheric Corrosion Exposure Study (SEA ACES) of Steels, Electronics Equipment and Components in Philippine Marine Environment (2015-2018) Year 1	New-ongoing	1/1/2015	12/31/2015	Telecommunications Industry
RDR-MSD-2015-01	Nano Zeolite: Production, Application and Performance Testing	New-ongoing	3/1/2015	12/31/2015	1. Mining Industry 2. Polymer & Plastic Industry
RDR-MSD-215-04	Nano Copper Impregnated Ceramic Water Filters: Production, Application and Performance Testing	New-ongoing	3/1/2015	12/31/2015	1. Mining Industry 2. Environment 3. Health
RDR-MSD-2015-03	Biodegradable nanocomposites from Cassava Starch	New-ongoing	4/1/2015	6/30/2016	1. Food Packaging 2. Household Industries

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RDR-MSD-2015-02	Production of Nano Precipitated Calcium Carbonate (Industrial Grade)	New-ongoing	7/1/2015	12/31/2015	1. Mining Industry 2. Chemical Industry
PTD	11				
RDR-PTD-2011-07	Development of Transport Packaging Technology for Cut Flowers (Rose and Chrysanthemum) - (Regular to GIA)	Completed	7/1/2011	3/31/2015	Small hold/ rural farmers, farmer cooperatives
RDR-PTD-2012-03	Application of Retort Packaging Technology in the Development of Disaster Mitigation/ Relief Foods: Rice Meal	On-going	5/2/2012	12/31/2015	Victims of natural calamities Local foods manufacturers of
RDRD-PTD-2012-05	Development of Transports Packaging Technology for Fresh Fruits and Vegetables	On-going	5/16/2012	12/31/2015	PTD management and staff capability on business management and
RDRD-PTD-2012-06	Application of Modified Atmosphere Packaging (MAP) Technology to Enhance the Shelf Life and Quality of Fresh Fruits and Vegetables	On-going	5/16/2012	12/31/2015	SMEs involved in fresh cut fruits and vegetables Small hold farmers/growers of
RDRD-PTD-2012-07	Toxic Migrants in Packaged Foods and Beverages: Addressing the Safety Issues on Packaging Related Contaminants in Foods - Phase II	Completed	10/16/2012	9/30/2015	Food and packaging industry, consumers

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RDA-PTD-2013-05	Enhancing the Competitiveness of Fresh Fruits and Semi-Processed Agricultural Products through the Application of Appropriate & Sustainable Packaging (JICA project)	On-going	4/15/2013	12/31/2017	Food and packaging industry
RDR-PTD-2014-01	Optimization of Analytical Procedure for Determining Residual Toluene in Printed Packaging Films	Completed	7/1/2014	6/30/2015	
RDR-PTD-2014-03	Assessment of Product Fragility and Cushion Performance	Completed	7/1/2014	6/30/2015	Manufacturers
RDA-PTD-2014-05	Field Testing and Validation of Study of Retort Food (arroz caldo) as Disaster Mitigation/Relief Food using DSWD's and LGU's Distribution Protocols	On-going	8/1/2014	12/31/2015	Victims of natural calamities such as typhoons, floods, earthquakes and landslide, and providers of services such as medical team,
RDR-PTD-2015-04	Packaging Development/Improvement for Bakery Products as Disaster/Relief and Combat Foods	New-ongoing	7/1/2015	1/31/2017	
RDR-PTD-2015-04	Application of Retort Packaging Technology in the Development of Disaster Mitigation/Relief Foods Phase 2: root crop based products	New-ongoing	7/1/2015	1/31/2017	

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RDR-FPD-2015-01	Characterization of Zeolite Film and Application for Packaging of Fresh (delayed ripening) and Processed (shelf life extension) Mango and Banana	New-ongoing	9/1/2015		Food Industry Consumers Farmers
STD	4				
RDR-STD-2012-01	Interlaboratory Comparison of Additives and Contaminants in Foods (proj. 2)	On-going	7/1/2012	12/31/2015	Testing laboratories Regulatory and accreditation bodies
RDR-STD-2012-02	Production of Secondary Certified Reference Materials and Provision of Proficiency Testing for Metals (Elemental Standard Solutions) in Water (proj. 3)	On-going	7/1/2012	12/31/2015	Testing laboratories Regulatory and accreditation bodies Standard developers
STD-RDA-2012-04	Binding Studies and Characterization of Tetracycline Imprinted Polymer Sensing Layer for a Chemical Sensor Based on a Piezoelectric Quartz Crystal (NRCP) (proj. 1)	Completed	11/12/2012	2/11/2015	1. Government regulatory agencies, exporters and importers of foods and related products of animal origin, and animal feeds, Pharmaceutical
RDA-STD-2014-01	Integration of Testing Services for Rubber and Rubber-based Products	On-going	7/15/2014	7/14/2017	Rubber Industries, Manufacturers, Importers, Domestic

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On-schedule