INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE LIST OF PROJECT BENEFICIARIES As of Q4 2020								
Division	Project Code	Program or Project	Location		Duration	Project Leader	Beneficiaries	
CED	RDR-CED-2019-01	Natural Hydrocolloid as Alternative Emulsifier and Stabilizing Agent from Okra (Hibiscus esculentus) Pods	DOST, Bicutan Taguig	Start 1-Jan-2020	End 31-Mar-2021	OC Evangelista	1. Okra farmers 2. Food manufacturers 3. Okra importers	
CED	RDR-CED-2019-02	Processing of Anti-freezing Agent for Biodiesel	DOST, Bicutan	17-Feb-2020	31-Mar-2021	CA Bulan	1. Coconut farmers 2. Biodiesel manufacturer	
CED	RDR-CED-2019-03	Development of Uninterruptible Power Back-Up System Using Motor Control for Lighting Applications as Sample Electrical Load	Taguig DOST, Bicutan Taguig	17-Feb-2020	31-Mar-2021	FE Del Pozo Jr	1. MSMEs 2. Facilities that need power back-up system	
CED	RDR-CED-2019-04	Catalytic Hydrogenation and Transesterification of Highly Unsaturated Fatty Acids from Rubber Seed Oil	DOST, Bicutan Taguig	17-Feb-2020	31-Mar-2021	VF Ablang	1. Rubber Industry 2. Biodiesel Industry 3. Energy Sector 4. Academe and researchers	
CED	RDR-CED-2020-05	Bench-scale Production of Curcumin from Philippine Turmeric using Different Extraction Methods	DOST, Bicutan Taguig	1-Jan-2020	31-Mar-2021	EA Ongo	1. Food Processing Industry 2. Pharmaceutical Industry 3. Chamber of Herbal Industries of the Philippines Inc.	
CED	RDA-CED-2017-01A	I-SALT: Improving Productivity and Efficiency of Local Salt Producers Towards a Self-Reliant Philippines in 2020 Project 1 : Design, Prototyping of Salt Processing Equipment (Washer, Dryer, Iodizer, Crystallizing Pan, Furnace, Concentrator (ion-exchange membrane)	DOST, Bicutan Taguig	1-Jul-2017	29-Feb-20	AV Briones	1. Salt producers	
CED	RDA-CED-2020-01	Modular Innovation Center for Oils, Blends and Sauces (Y3)	DOST, Bicutan Taguig	1-Jan-2019	31-Dec-20	AV Briones	1. MSMES 2. Food processors	
CED	RDA-CED-2019-01	Establishment of Plastic Waste Pyrolysis System along Esteros for the Rehabilitation of Manila Bay	DOST, Bicutan Taguig	1-Oct-2019	31-Jul-2020	AVO Bawagan	 Local Government Units (LGUs) Communities near Manila Bay Laguna Lake Development Authority (LLDA) 	
CED	RDA-CED-2020-02	Design and Prototyping of Salt Harvesting Machine.	DOST, Bicutan Taguig	1-Mar-2020	28-Feb-2021	OC Evangelista	1. Salt producers	
CED	RDA-CED-2020-03	Nanostructured Herbal Extract of Momordica charantia (Bitter melon/Ampalaya), Allium sativum (Garlic) and Curmuma longa L. (Turmeric) as Antidiabetic Agents	DOST, Bicutan Taguig	1-Aug-2020	31-Jul-2021	EA Ongo	 Chamber of Herbal Industries of the Philippines Pharmaceutical industries 	
EBD	RDR-EBD-2020-01	Development of a Fermentation Product (Kimchi- Filipino adaptation) from locally-grown vegetables using indigenous LAB isolates as starter culture	DOST, Bicutan Taguig	1-Jan-2020	31-Dec-2020	EG Panerio	1. MSMES 2. Vegetable farmers	
EBD	RDR-EBD-2020-02	Utilization of Chicken eggshell wastes as biomaterial for hydroxyapatite synthesis	DOST, Bicutan Taguig	1-Jan-2020	31-Dec-2020	EG Panerio	1. Chicken egg producers 2. Pastry manufacturers 3. Dental Industry	
EBD	RDR-EBD-2020-03	Bioactive Substances , from Actinomycetes Isolated from Different Sources Phase 1. Isolation and Screening of Actinomycetes from soil, soil/ plant litter and soil/ compost mixtures	DOST, Bicutan Taguig	1-Jan-2020	31-Dec-2020	UG Bigol	 Pharmaceutical Industry Student and Professional researchers 	
EBD	RDR-EBD-2020-04	Development of an Improved In-vessel Composting System	DOST, Bicutan Taguig	17-Feb-2020	31-Dec-2022	DL Herrera / JT Tuazon	1.LGUs & cluster barangays 2.Establishments with MRF 3.Machine shops 4.Communities	
EBD	RDR-EBD-2020-05	Development of Air Biofilters for the Control of Ammonia	DOST, Bicutan Taguig	17-Feb-2020	31-Dec-2021	CS Valdecanas	 Small and large scale livestock and poultry houses in the Philippines EIP Layer Farm 	
EBD	RDR-EBD-2020-06	Dissolved Copper Removal from Semiconductor Wastewater Effluent by Electrowinning Process	DOST, Bicutan Taguig	17-Feb-2020	31-Dec-2021	JC Tejano	Semi-conductor Industry Copper Plating Industry Mining Industry Fertilizer Industry S. Battery Industry	
EBD	RDR-EBD-2020-07	Upgrading of the Emergency Waster Disinfection System	DOST, Bicutan Taguig	1-Mar-2020	31-Dec-2021	DC Vergara	Inhabitants of areas prone to natural disasters; Communities in rural areas with limited access to safe drinking water; S.Evacuation centers; 4. LGUs	
EBD	RDA-EBD-2017-04	Pilot Scale Production of Spray-Dried Dextran and High Fructose Syrup using Whole Cell (Leuconostoc mesenteroids isolates) ITDI Fermentation Technology	DOST, Bicutan Taguig	6-Nov-2017	5-Nov-2020	U. Bigol	 Coconut oil processors Food processors specifically manufacturers of bakery products, ice cream and juice drinks 	
EBD	RDA-EBD-2019-01	Post-treatment of food processing wastewater effluent for nutrient removal	DOST, Bicutan Taguig	22-Jan-2019	21-Jul-2020	RL Esguerra	1.Central Macaroni Co., Inc. (CENMACO, Inc.) 2. Food Processing Industries 3. Stakeholders of Pasig River Logal accurate Unio	
EBD	RDA-EBD-2019-02	Strengthening the Municipal Solid Waste Management Program: A Guide on Preparation of Waste Analysis and Characterization Study (WACS) Plan for the National Capital Region Local Government Units	DOST, Bicutan Taguig	1-Sep-2019	31-Dec-2020	ML Tansengco	1. Local government Units 2. MSMEs 3. Personnel involved in Solid Waste Management and Pollution Control Officers	
EBD	RDA-EBD-2019-03	Pilot-Scale Biogas Production of Biodegradable Solid Waste for Muntinlupa City	DOST, Bicutan Taguig	1-Oct-2019	1-Oct-2020	DL Herrera	LGUs and Barangays in Muntinlupa City Households Good establishments and food processors Swine and poultry farm owners	
EBD	RDA-EBD-2019-05	Support to the Sustainable Environmental Managament in Malay, Aklan Project 2: Development of a Compact Wastewater Treatment System for Restaurants in Boracay Island	Boracay	15-Jul-2019	31-Dec-2020	RL Retamar	1. Restaurants in Boracay 2. General public	
EBD	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)	DOST, Bicutan Taguig	1-Feb-2020	31-Jan-2021	RL Esguerra	Local Government Units (LGUs) Department of Public Works and Highways (DPWH) J.Department of Environment and Natural Resources (DENR) 4.Laguna Lake Development Authority (LLDA)	
EBD	RDA-EBD-2020-02	Cataloging Possible Philippine Strains of Zika and African Swine Fever Viruses and Coconut Cadang- Cadang Viroid through Genome Sequencing	DOST, Bicutan Taguig	1-Jul-2020	1-Mar-2021	GM Sikat	1. Government 2. Researchers 3. Swine raisers 4. Epidemiologists	
FPD	RDR-FPD-2019-04	Exploratory studies on: Study 2: Chocolate Confectionery	DOST, Bicutan Taguig	1-Jan-2019	31-Mar-2020	MD Villaseñor	1. Cacao farmers 2. Chocolate producers 3. Micro Tablea producers	
FPD	RDR-FPD-2019-07	Development of Shelf-Stable Food Products as Ready Food Reserve (GAD Project)	DOST, Bicutan Taguig	1-Jan-2020	31-Dec-2020	MBA. MACARAEG	1. Areas affected by calamities and/or are in emergency situations	

Division	Project Code	Program or Project	Location	Project I Start	Duration End	Project Leader	Beneficiaries
FPD	RDR-FPD-2020-01	Development of Alternative Techniques for Okra Flakes/Sheets Processing	DOST, Bicutan Taguig	1-Apr-2020	30-Jun-2021	MEM.Falco	Food manufacturing industry (local food processors, exporters and importers) Farmers Ford trade organizations/association
FPD	RDR-FPD-2020-02	Characterization of Philippine Banana Cultivar for Food Processing Application	DOST, Bicutan Taguig	1-Jan-2020	31-Dec-2020	MEM.Falco	1. Food trade organization/sassociation 1. Food manufacturing industry (local food processors, exporters and importers) 2. Banana Farmers 3. Food trade organizations/association
FPD	RDR-FPD-2020-06	Natural Flavorings from Local Sources as Food Additive Study 1: Optimization of Spray Drying of Flavors from Fermented Fish and Shrimps	DOST, Bicutan Taguig	1-Apr-2020	1-Jun-2021	MDL. Villasenor	1. Food industry
FPD	RDR-FPD-2020-05	Improving the Quality of Deep-Fat Fried Cassava Chips	DOST, Bicutan	1-Apr-2020	31-Dec-2020	J.Ocasla	1. Cassava farmers 2. Manufacturers of cassava chips
FPD	RPD-FPD-2020-03	Establishment of Food Safety System for High Risk Bakery Products for Public Consumption	Taguig DOST, Bicutan Taguig	1-Jan-2020	31-Dec-2020	L. Montevirgen	1. MSMEs involved in bakery products 2. Policy makers/regulatory agencies
FPD	RDA-FPD-2017-01	Natural Food Colors from Local Source as Food Additive (Proj. 4: Natural Dyes and Colorants R&D Program)	DOST, Bicutan Taguig	15-Mar-2017	30-Jun-2020	M. Villasenor	1. Manufacturers of local dyes 2. Farmers 3. Food Industry
FPD	RDA-FPD-2018-01	Establishment of Spray Drying Technology and Equipment for the Regional food Innovation Centers- Batch 2	DOST, Bicutan Taguig	1-Feb-2018	31-Dec-2020	NG Ambagan	1. Regional FICs 2. MSMEs and the Food Industry
FPD	RDA-FPD-2018-03	Establishment of Halal Assurance System for Processing Selected Banana Products (Banana Chips, Banana Catsup, and Frozen Banana)	DOST, Bicutan Taguig	1-Aug-2018	31-Dec-2020	MEM. Falco	 Banana farmers and processors Muslim community
FPD	RDA-FPD-2018-04	Establishment of Halal Assurance System for Bakery Products(Pandesal and Loaf Bread)	DOST, Bicutan Taguig	1-Aug-2018	31-Dec-2020	LS. Montevirgen	1. Muslim community 2. MSMEs, particularly those that are producing bakery products
FPD	RDA-FPD-2018-06	Development of Emulsified Meat Products (Sausage, Nuggets and Burgers) for Halal Market	DOST, Bicutan Taguig	1-Aug-2018	31-Dec-2020	ME. Evaristo	1. Producers of meat products 2. Muslim community 1. Duck raisers
FPD	RDA-FPD-2020-08	Development of Powder Salted Egg Using Appropriate Processing Technologies	DOST, Bicutan Taguig	1-Jan-2020	1-Dec-2020	MDL. Villasenor	Duck raisers Consumers
FPD	RDA-FPD-2020-11	Plant Protein Products from Local Sources	DOST, Bicutan Taguig	1-Jul-2020	30-Jun-2022	NG Ambagan	1. Farmers 2. MSMEs involved in food processing
MSD	RDR-MSD-2020-01	Nanozeolite Monoliths for Gas Adsorption Application	DOST, Bicutan Taguig	1-Jan-2020	31-Dec-2020	JRCelorico	1. Mining industry 2. Local industry sectors such as production/ manufacturing industries
MSD	RDR-MSD-2020-02	Synthesis, Characterization and Production of Starch Nanocrystals	DOST, Bicutan Taguig	1-Jan-2020	31-Dec-2020	CSEmolaga/ MAPaglicawan	Food packaging and household industries (biodegradable plastics) Agriculture/crop industry (cassava starch and agricultural wastes) Solid waste management sector (minimization and utilization of solid waste) Plastics industries (production of biodegradable packaging materials)
MSD	RDR-MSD-2020-03	Biomass-derived Carbon Quantum Dots and CQD/Polymer Composites for Biomedical & Industrial Applications	DOST, Bicutan Taguig	1-Jan-2020	31-Dec-2020	PANdeYro	1. Textile industry especially those into facemask making or other similar medical applications
MSD	RDR-MSD-2020-04	Superparamagnetic Iron Oxide Nanoparticles (SPIONs) from Natural Mineral Deposits - Phase 1	DOST, Bicutan Taguig	17-Feb-2020	31-Dec-2020	BABasilia	Mining industry Medical industry Cancer Treatment Facilities
MSD	RDR-MSD-2020-05	Development of Portable Ultrafiltration/Nanofiltration Membrane Module for Treatment of Potable Water for Remote/Field Application (Mabuhay Straw)	DOST, Bicutan Taguig	17-Feb-2020	31-Dec-2020	MTMargarito	Military/defense sector Remote locations and island residence lacking access to clean water Victims of calamity-stricken areas
MSD	RDA-MSD-2019-01	Program: Advanced Additive Manufacturing R & D Project 1:Development of Multiple Materials Platform for Additive Manufacturing (MATDEV)	DOST, Bicutan Taguig	3-Jan-2019	31-Dec-2021	B. Basilia	Automotive Industry Manufacturing industry Researchers in the field of materials, design, fabrication and construction
MSD	RDA-MSD-2019-02	Prototype Development of Natural Fibre-Thermoplastic Composites from Agricultural and Industrial Wastes for Industrial Applications	DOST, Bicutan Taguig	1-Abr-19	31-Dec-2021	M. Paglicawan	1. Fiber industry
MSD	RDA-MSD-2017-07	Program: Intelligent Data Analysis System (IDAS) for Drug Trafficking Investigation in the Philippines Project 1: Application of Multivariate Analysis on Methamphetamine HCI Chemical Fingerprints and Kinetic Stability Modelling (Collaborative Project with PDEA/ASTI)	DOST, Bicutan Taguig	16-Dec-2017	31-Dec-2020	A. Monsada	1. National Government 2. LGUs
MSD	RDA-MSD-2017-08	ADMATEL Expansion and Business Continuity	DOST, Bicutan Taguig	10-Nov-2017	9-Nov-2020	A. Monsada	Semiconductors and other allied industries Academe Government Agencies
MSD	RDA-MSD-2018-02	Environment, Health and Safety Research on the Risk Assessment of Nanomaterials	DOST, Bicutan Taguig	1-Jun-2018	31-Dec-2020	B. Basilia	1. Manufacturers and end-users of nanotechnologybased materials and products.
MSD	RDA-MSD-2019-03	Nanofibrous Scaffolds from Natural Biomaterials for Tissue Engineering	DOST, Bicutan Taguig	1-Jul-2019	30-Sep-2020	J. Celorico	 Biomedical industry Agriculture industry Inorganic and natural mineral industries
PTD	RDR-PTD-2019-01	Effect of Storage Conditions on Migration Characteristics of Benzophenone in Paper and Paper- based Food Packaging (Phase 2) (Phase 1 - RDR- PTD-2018-04)	DOST, Bicutan Taguig	1-Jan-2019	31-Mar-2020	JL. Diaz	1. Food Packaging Industry
PTD	RDR-PTD-2019-02	Data Acquisition of Shock and Vibration Values in the Delivery (Motorcycle and Closed Van) of E-commerce Products within Metro Manila	DOST, Bicutan Taguig	1-Jan-2019	29-Feb-2020	ET. Nolasco	1. Transport delivery service/logistic companies 2. General public
PTD	RDR-PTD-2019-06	Development of Intelligent Packaging Colorimetric Sensor to Monitor the Quality and Safety of Smoked Fish	DOST, Bicutan Taguig	1-Jun-2019	31-Mar-2021	R. Garalde	1. End users/general public 2. Packagaing traders 3. MSMEs
PTD	RDR-PTD-2019-07	Shelf-life Extension of "Bukayo" and "Budin" through the Application of Improved Packaging Technology	DOST, Bicutan Taguig	22-Jul-2019	30-Jul-2020	F.V. Loberiano	Food Manufacturers Exporters and Consolidators
PTD	RDR-PTD-2019-03	Development of Retort Foods as Food Ration for Men in Uniform during Combat Operations and Encounters (Phase 1)	DOST, Bicutan Taguig	21-Jan-2019	31-May-2021	FV. Loberiano	1. Men in Uniform (e.g. PA soldiers and/or trainees)
PTD	RDR-PTD-2020-01	Development and Assessment of bacterial cellulose derived from fruit waste as functional materials for the packaging sector	DOST, Bicutan Taguig	1-Jan-2020	30-Jun-2021	C.T. Saldaña	1. Philippine community in general
PTD	RDR-PTD-2020-02	Ensuring the Shelf life and Safety of Chilled Ready to Heat (RTH) Meal Preparations Sold in Convenience Stores and Cooked and Fresh Foods through Delivery Formerly: Effect of fluctuating temperature on the shelf life and safety of chilled ready to heat (RTH) meal preparations sold in convenience stores	DOST, Bicutan Taguig	1-Jan-2020	31-Mar-2021	D.E. Tañafranca/C. Bihis	Consumers/general public Producers/manufacturers of chilled RTH meal Owners of convenience stores and supermarkets

		Program or Project		Project Duration			
Division	Project Code		Location	Start	End	Project Leader	Beneficiaries
PTD	RDR-PTD-2020-03	Shelf life extension of selected fresh-cut tropical fruits by alginate based edible coating with lemongrass oil	DOST, Bicutan Taguig	16-Jan-2020	15-Jan-2021	D.J.I. Ortiz	1. Crop producers/farmers 2. MSMEs, specially food companies in the fresh- cut industry
PTD	RDR-PTD-2020-04	Development of anti-oxidant film based on chitosan containing spent ground coffee extract (Y1)	DOST, Bicutan Taguig	1-Jan-2020	30-Jun-2021	M.J.P. Paico	 Packaging manufacturers MSMEs engaged in meat industry or other related products prone to liped oxidation
PTD	RDR-PTD-2020-05	Exposure assessment of Filipino Consumers to benzophenones migrated from paper and paperboard used as packaging for food and beverages (Y1)	DOST, Bicutan Taguig	1-Jun-2020	30-Nov-2021	D.J. Alcarde, Jr.	1. General public 2. Food packaging manufacturers, MSMEs and dealers
PTD	RDA-PTD-2017-15	Development of an Effective Distribution System for RTE foods (chicken arroz caldo and fish rice meal) to Mitigate the Magnitude of Distress for Calamity Survivors and Providers of Services	DOST, Bicutan Taguig	1-Dec-2017	30-Nov-2020	D. Tanafranca/ G. Noceja	 General public and Calamity Survivors Manufacturing Industries Pacakaging Industries
PTD	RDA-PTD-2016-04	Upgrading and Enhancing the Capacity of the Packaging Technology Division in Packaging Research and Innovation	DOST, Bicutan Taguig	1-Dec-2016	31-Dec-2020	D. Tanafranca/ G. Noceja	1. Manufacturing Industries 2. Pacakaging Industry
PTD	RDA-PTD-2019-04	Asia Packaging Network (APN) and International Packaging Symposium and ISTA-APD International Symposium on Distribution Packaging October 22 to 25, 2019	DOST, Bicutan Taguig	1-Apr-2019	30-Nov-2020	DE. Tañafranca	1.Packaging Industry, 2. Policy Makers 3. Research institutions 4. Delegates from Asia and other countries
TSD	RDR-TSD-2020-01	Market Testing of FIC Technologies/Products through collaboration with existing adopters	DOST, Bicutan Taguig	1-Jan-2020	31-Mar-2021	C.L.D. Moico	1. MSMEs 2. Food Processing Industry
Enhanceme	nt of the Competence and	Capabilities of the National Metrology Laboratory of t	he Philippine	s			
NMD	RDRD-2017-NMD-01	Project 1 : Chemical Metrology for Organic Contaminants in Food and Water	DOST, Bicutan Taguig	1-Jan-2017	31-Dec-2020	B. Ebarvia	1. Regional Metrology Laboratories 2. Testing Laboratories (use of Reference Materials)
NMD	RDRD-2017-NMD-02	Project 2 : Chemical Metrology for Inorganic Toxic Elements in Food and Water	DOST, Bicutan Taguig	1-Jan-2017	31-Dec-2017	B. Ebarvia	1. Regional Metrology Laboratories 2. Testing Laboratories (use of Reference Materials)
NMD	RDRD-2017-NMD-03	Project 3 : Biological Metrology for Microorganisms in Food	DOST, Bicutan Taguig	1-Jan-2017	31-Dec-2017	M. Aguinaldo	1. Regional Metrology Laboratories 2. Testing Laboratories (use of Reference Materials)
NMD	RDRD-2017-NMD-04	Project 4: Strengthening the Physical Metrology Capabilities of the National Metrology Laboratory (NML)	DOST, Bicutan Taguig	1-Jan-2017	31-Dec-2017	K. Suycano	DOST Regional Metrology Laboratories and Private Calibration Laboratories 2. R & D Laboratories and Academia Manufacturing Industries 4. Regulatory Bodies / Agencies 5. The Consumers and the General Public
STD	RDA-2017-STD-02	Enhancing OneLab for Global Competitiveness	DOST, Bicutan Taguig	1-Jan-2017	31-Dec-20	A. Briones	 Local and international member laboratories Industries, academe and other stakeholders in need of analytical testing ang calibration
STD	RDA-2018-STD-02	Establishment of Halal Assurance System for Production, Method Development and Standardization of Cosmetics and Toiletries	DOST, Bicutan Taguig	1-Aug-2018	31-Dec-20	R. Torres	1. Local and international Halal industries 2. Identified cooperator: Greenstone Pharmaceutical (HK) Inc.
STD	RDA-2017-STD-03	Development of Natural Colorants for Cosmetics (Proj. 2: Natural Dyes and Colorants R&D Program)	DOST, Bicutan Taguig	16-Mar-2017	31-Mar-2020	R. Torres	Christian Leafy Garden Cot Heart Foundation Remnant Alternative Medicine 4. Forturo Foods Manufacturing 5. DOST Regional Offices 6. DOST-PTRI 7. DOST-FNRI 8. Beet Root Producers in Benguet
STD	RDA-2019-STD-01	Upgrading of ITDI-Laboratory Animal Facilities in Support for Tuklas Lunas and Other DOST Programs, and Industry Needs	DOST, Bicutan Taguig	4-Nov-2019	30-Sep-2021	C. Ochona	Industries, academe and other stakeholders in need of biological testing Department of Science and Technology Programs
STD	RDA-2020-STD-01	Preliminary Characterization of Taal Volcanic Ash for Risk Assessment and Potential Raw Material for Construction Industry	DOST, Bicutan Taguig	15-Jun-2020	15-Oct-2020	A. Dablio	People and properties located in the affected areas of Taal Volcano Local Government Officials as overseers of community health and safety National Government 4. Monitoring and/or Regulatory Agencies