

QUARTERLY PHYSICAL REPORT OF OPERATION

As of 2nd Quarter 2018

Department

: DEPARTMENT OF SCIENCE AND TECHNOLOGY

Agency

: INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Operating Unit

:

Organization Code (UACS)

: 190050000000

Particulars	as of Q2 Physical Targets	Physical Accomplishments As of Q2	Variance	Remarks
1	2	3	4	5
I. Industrial Technology R&D Program Outcome Indicators 1. Percentage benefit incidence of intervention to local industries and/or institutions 2. Number of partnerships with public and private stakeholders and international organizations Output Indicators 1. Number of projects completed 2. Percentage of projects implemented within the approved timeframe 3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP Filed or approved	70% 4 7 100% 70%	- 4 3 100% 41%	70% 0 -4 - -29%	
Industrial Technology Transfer Program Outcome Indicators 1. Percentage of clients that rate the technology transfer as satisfactory or better 2. Percentage benefit incidence of intervention to target local industries and/or institutions	90% 90%	100% 100%	10% 10%	

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Particulars	as of Q2 Physical Targets	Physical Accomplishments As of Q2	Variance	Remarks
1	2	3	4	5
Output Indicators				
1. Number of knowledge/technologies diffused	12	25	13	
2. Number of technologies transferred/commercialized through technology transfer agreement	2	4	2	
3. Percentage of request for technology transfer that have been provided within the required time frame	100%	100%	0%	
Industrial Technology Technical Services Program				
Outcome Indicators				
1. Percentage of customers that rate the technology transfer as satisfactory or better	90%	100%	10%	
Output Indicators				
1. Number of technical services rendered	8,000	10,338	2,338	
2. Percentage of request for technical services that have been provided within the required time frame	90%	100%	10%	

Prepared By:

ZORAYDA V. ANG/DBA

OIC, PMISD

In coordination with:

JANET F. QUIZON, Ph.D.

Chief, FAD

Approved by:

ANNABELLE V. BRIONES, Ph.D.

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QUARTERLY PHYSICAL REPORT OF OPERATION

as of 4th Quarter 2018

Department

: DEPARTMENT OF SCIENCE AND TECHNOLOGY

Agency

: INDUSTRIAL TECHNOLOGY DEVELOPMETN INSTITUTE

Operating Unit

:

Organization Code (UACS)

: 190050000000

Particulars	As of Q4 Physical Targets	As of Q4 Physical Accomplishments	Variance	Remarks
1	2	3	4	5
I. Industrial Technology R&D Program Outcome Indicators 1. Percentage benefit incidence of intervention to local industries and/or institutions 2. Number of partnerships with public and private stakeholders and international organizations Output Indicators 1. Number of projects completed 2. Percentage of projects implemented within the approved timeframe 3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP Filed or approved	70% 10 15 100% 70%	- 42 25 100% 68%	-70% 32 10 0% -2%	benefit incidence of intervention can be measured after 5 years not cumulative
Industrial Technology Transfer Program Outcome Indicators 1. Percentage of clients that rate the technology transfer as satisfactory or better 2. Percentage benefit incidence of intervention to target local industries and/or institutions	90% 90%	100% 100%	10% 10%	not cumulative not cumulative

QUARTERLY PHYSICAL REPORT OF OPERATION

as of 4th Quarter 2018

Department : DEPARTMENT OF SCIENCE AND TECHNOLOGY
 Agency : INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE
 Operating Unit :
 Organization Code (UACS) : 190050000000

Particulars	As of Q4 Physical Targets	As of Q4 Physical Accomplishments	Variance	Remarks
1	2	3	4	5
Output Indicators 1. Number of knowledge/technologies diffused 2. Number of technologies transferred/commercialized through technology transfer agreement 3. Percentage of request for technology transfer that have been provided within the required time frame	30 5 100%	34 12 100%	4 7 0%	not cumulative
Industrial Technology Technical Services Program Outcome Indicators 1. Percentage of customers that rate the technical services as satisfactory or better Output Indicators 1. Number of technical services rendered 2. Percentage of request for technical services that have been provided within the required time frame	90% 15,000 90%	100% 25,225 100%	10% 10,225 10%	not cumulative not cumulative

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Chief, PMISD

Date:

In coordination with:

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Chief, FAD

Date:

Approved by:

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OIC, OD-ITDI

Date:

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE
Physical Performance Report
As of December 2018


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Key Programs/Activities/Projects(P/A/Ps) and Performance Indicators	Targets		Actual Accomplishment	Percentage (%) of Accomplishment vs. Q1-Q4 Targets	Reason for Under/Over Performance (Variance)
	FY 2018 (Annual)	Q1-Q4	As of December 2018		
(1)	(2)	(3)	(4)	(5)	(6)
Industrial Technology R&D Program Outcome Indicators: 1. Percentage benefit incidence of intervention to local industries and/or institutions 2. Number of partnerships with public and private stakeholders and international organizations	70% 10	70% 10	- 42	- >100%	Membership/Technical Cooperation to the following: 1. Chairperson in Asia Packaging Network (APN) 2. Board of Director of ISTA Asia Pacific Division 3. Technical Cooperation with National Institute of Metrology (Thailand) 4. Packaging Institute of the Philippines (New member) OneLab New Member Laboratories: 5. SGS Thailand 6. Intertek Thailand 7. Intertek Vietnam 8. Ostrea Mineral Laboratories, Inc. 9. CEDRES Laboratory 10. Scientific Standard Services (SSS) 11. FAST Laboratory (Calamba Branch) 12. ASTS Laboratory 13. Mach Union Water Laboratory, Inc. Contract Research with the following: 14. PDEA 15. NLEX Corporation 16. SMYC 17. FEATI University 18. Stoneworks Specialist International 19. MMIEERDC 20. N. Canarias Poultry and Piggery Farm 21. LGU - Lubao 22. Waste and Resource Management, Inc.

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Key Programs/Activities/Projects(P/A/Ps) and Performance Indicators	Targets		Actual Accomplishment	Percentage (%) of Accomplishment vs. Q1-Q4 Targets	Reason for Under/Over Performance (Variance)
	FY 2018 (Annual)	Q1-Q4	As of December 2018		
					23. Bio-Vision 24. Phil. Network of Microbial Culture Collections, Inc. 25. Manly Plastics 26. AFP-RDC 27-29 DSWD Region 5, 7 & 10 30-32 DOST Region 5, 7, 10 33. Department of Organic Chemistry, University of Zaragoza 34. Wesleyan University of the Philippines The following Universities have signed the MOU with ITDI n relation to the DOST-ITDI Graduate Research Collaboration Program (GRCP) 35. Caraga State University 36. Batangas State University 37. Xavier University 38. Bulacan State University 39. Mindanao State University -IIT 40. Adamson University 41. Central Luzon State University 42. Cagayan State University

Key Programs/Activities/Projects(P/A/Ps) and Performance Indicators	Targets		Actual Accomplishment	Percentage (%) of Accomplishment vs. Q1-Q4 Targets	Reason for Under/Over Performance (Variance)
	FY 2018 (Annual)	Q1-Q4	As of December 2018		
Output Indicators: 1. No. of projects completed	15	15	25	>100%	The following are the completed projects for year 2018: 1. Scale-up to Pilot production of Resistant Cassava Starch 2. Integration of Convex Glass on Solar Panel for the Improvement of Harnessing Solar Energy 3. Development of Supercapacitor with Organic Electrolytes using Graphene 4. Nanoencapsulation of herbal drugs in hydrogels and matured coconut water as health supplement for musculoskeletal system: Development and Scale-up Production 5. Development of Pre-processing Technologies to Facilitate Waste-to-Energy 6. In-Situ Remediation of Petroluem Contaminated Soil: Study 1: Sequestration of Nutrient Species on Agricultural Runoff using Chitosan 7. In-Situ Remediation of Petroluem Contaminated Soil: Study 2: Remediation of Petroleum Contaminated Soil by Oxidation 8. Isolation, Purification and Identification (Phenotyping and Genotyping) of Microbial Succession in Philippine Traditional Fermented Foods: Study 1: Phenotypic and biochemical characterization of microbial isolates from fermented products 9. Isolation, Purification and Identification (Phenotyping and Genotyping) of Microbial Succession in Philippine Traditional Fermented Foods: Study 2: Molecular characterization of microbial isolates from fermented products 10. Isolation, Purification and Identification (Phenotyping and Genotyping) of Microbial Succession in Philippine Traditional Fermented Foods: Study 3: Data-mining of previous biotechnology R&D outputs related to food processing

Key Programs/Activities/Projects(P/A/Ps) and Performance Indicators	Targets		Actual Accomplishment	Percentage (%) of Accomplishment vs. Q1-Q4 Targets	Reason for Under/Over Performance (Variance)
	FY 2018 (Annual)	Q1-Q4	As of December 2018		
					11. Effect of Drum Drying Parameters on the Quality Characteristics of Selected Local Food Materials (Fruit, Vegetables, Rootcrops) as Intermediate Ingredient and Healthy Snack 12. Evaluation of Histamine Level and Commercial Sterility of Bottled sardines in Oil 13. Utilization of Rice milling by-products for the production of oil, syrup (as food and industrial sweetener) and high-protein powder 14. Deployment and Impact Assessment of Developed Disaster Relief Projects (GAD project) 15. Development of Innovative Bullet Proof Vest and Bullet Proof Panels for Armored Vehicles 16. Development of Materials for Innovative Utility Tent & Floating Baby Capsule as Temporary Shelter for Disaster & Natural Calamity Victims: Study 1: Innovative Utility Tent 17. Development of Materials for Innovative Utility Tent & Floating Baby Capsule as Temporary Shelter for Disaster & Natural Calamity Victims: Study 2: Floating Baby Capsule 18. Southeast Asian Atmospheric Corrosion Exposure Studies for Electronic Components 19. Functional Nano Coating (FuN Coat) for Applications in Energy and Related Industries 20. Development of Ultrafiltration/Nanofiltration HF membrane for Drinking Water Application 21. Effect of Storage Temperature on the Compressive Strength and Microstructural Properties of Commercially Sold Starch-based Biodegradable Cup 22. Development of Collapsible Toilet Bowl for Emergency/Disaster Operations (Preliminary Study)
					23. Development of Nano-coating Materials as Postharvest Treatment for Selected Tropical Fruits (Phase 1) 24. Quality and Safety Monitoring of Chilled and Frozen Foods Using Intelligent Packaging with Time Temperature Indicators: A Preliminary Study 25. Effect of Shock and Vibration on the Quality and Shelf Life of Mangosteen
2. Percentage of projects implemented within the approved timeframe	100%	100%	100%	100%	Projects are implemented according to the approved timeframe

Key Programs/Activities/Projects(P/A/Ps) and Performance Indicators	Targets		Actual Accomplishment	Percentage (%) of Accomplishment vs. Q1-Q4 Targets	Reason for Under/Over Performance (Variance)
	FY 2018 (Annual)	Q1-Q4	As of December 2018		
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and/or international conferences, or with IP filed or approved	70%	70%	68% 75/110* (*110 for the last 5 years)	97%	
Industrial Technology Transfer Program Outcome Indicators: 1. Percentage of clients that rate the technology transfer as satisfactory or better 2. Percentage benefit incidence of intervention to target local industries and/or institutions	90% 90%	90% 90%	100% 100%	>100% >100%	100% of TSD clients rated the services provided as Outstanding

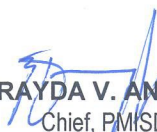
Key Programs/Activities/Projects(P/A/Ps) and Performance Indicators	Targets		Actual Accomplishment	Percentage (%) of Accomplishment vs. Q1-Q4 Targets	Reason for Under/Over Performance (Variance)
	FY 2018 (Annual)	Q1-Q4	As of December 2018		
Output Indicators: 1. No. of knowledge/technologies diffused	30	30%	34	>100%	9 additional trainings in October 2018 Techno offer event from Jan-March 2018 featured 9 technologies for which several IEC materials were prepared: 1. Charcoal Briquettes 2. Compact Wastewater Treatment for Quick Service Restaurant (QSR) 3. Electric Densifier 4. Dual Drum Composter 5. 4C Oil Spill Adsorbent 6. Abaca-Fiber Reinforced Composites 7. Nano-Precipitated Calcium Carbonate 8. Nanoclay Production Technology 9. Biodegradable Polymers Production Tech Audit Workshop for MSD was conducted in March 19-20, 2018 with the following topics: 1) DOST Technology Transfer Protocol for RDIs 2) Tech Audit Scorecard 3) Quicklook and Technology Pitching 4) Technology Valuation and Profitability Analysis Tech Audit Workshop for CED and EBD were conducted in April, 2018 with the following topics: 1) DOST Technology Transfer Protocol for RDIs 2) Tech Audit Scorecard 3) Quicklook and Technology Pitching 4) Technology Valuation and Profitability Analysis


Key Programs/Activities/Projects(P/A/Ps) and Performance Indicators	Targets		Actual Accomplishment	Percentage (%) of Accomplishment vs. Q1-Q4 Targets	Reason for Under/Over Performance (Variance)
	FY 2018 (Annual)	Q1-Q4	As of December 2018		
					<p>Tech Audit Workshop for FPD was conducted in May 23-24 with the following topics:</p> <p>1) DOST Technology Transfer Protocol for RDIs</p> <p>2) Tech Audit Scorecard</p> <p>3) Quicklook and Technology Pitching</p> <p>4) Technology Valuation and Profitability Analysis</p> <p>Tech Audit Workshop for FPD was conducted in May 23-24 with the following topics:</p> <p>1) DOST Technology Transfer Protocol for RDIs</p> <p>2) Tech Audit Scorecard</p> <p>3) Quicklook and Technology Pitching</p> <p>4) Technology Valuation and Profitability Analysis</p>
2. No. of technologies transferred/ commercialized through technology transfer agreement	5	5	12	>100%	Package: Electric Plastic Densifier, Modified Carbonizer and Dual Drum Composter (3) QSRs Modified carbonizer Cacao desheller Cacao roaster Cacao grinder Salt washer machine Salt Iodization Machine RTE Chicken Arroz Caldo in retort Vacuum Fried Carrots
3. Percentage of request for technology transfer that have been provided within the required time frame	100%	100%	100%	>100%	All clients were accomodated in a timely manner
Industrial Technology Technical Services Program Outcome Indicators:					
1. Percentage of customers that rate technical services rendered as satisfactory or better	90%	90%	100%	>100%	100% of clients returned a very satisfactory (VS) feedback

Key Programs/Activities/Projects(P/A/Ps) and Performance Indicators	Targets		Actual Accomplishment	Percentage (%) of Accomplishment vs. Q1-Q4 Targets	Reason for Under/Over Performance (Variance)
	FY 2018 (Annual)	Q1-Q4	As of December 2018		
Output Indicators:					
1. No. of technical services rendered	15,000	12,000	25,225	>100%	January - 1,281 February - 2,159 March - 762 April - 2,688 May - 1,996 June - 1,452 July - 2873 August - 2455 September - 2321 October - 1955 November - 2635 December - 1268
2. Percentage of request for technical services that have been provided within the required timeframe	90%	90%	100%	>100%	
Projects (Locally Funded)					
1. Repair/ Renovation & Maintenance of ITDI Buildings and Facilities	100%	100%	100% *	100%	
2. Enhancement of the Competence and Capabilities of the National Metrology Laboratory of the Philippines	100%	100%	92% *	92%	Project 1: Terminated the services of Hired general contractor for the repair of extension facilities for MiC and MiB due to more than 15 slippages. Negotiation for the next contractor is ongoing. Prepared PR for 29/29, delivered 19/29 equipment. Project 2: Prepared PR for 32/32 equipment, delivered 19/32 equipment Project 3: 5 equipment delivered and 4 for delivery. Scope of work for MIC Biology for awarding. Project 4: 11/11 equipment for delivery. Scope of works for the renovation of calibration rooms and staff rooms are ongoing.
3. Modular Multi-Industry Innovation Center	100%	100%	86%*	86%	No bidders for supplies and materials


* Based on Financial Obligation

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