

**Form C**  
**Agency Targets and Accomplishments for Planning Tool Commitments**

Strategic Plan (1)	Performance Indicator (2)	Description of Program/ Project Objectives (3)	Total Budget Program for FY 2014 (4)	Responsible Bureaus/ Offices (5)	Department FY 2014 Actual Accomplishment (6)	Department FY 2015 Targets/ Milestones (7)	Department FY 2015 Actual Accomplishment (8)	Rate of Accomplishments (9)	Remarks (10)
<b>Outcome 2: Innovative, cost-effective and appropriate technologies that enable MSMEs to develop and produce competitive products that meet world-class standards</b>									
A. Establish innovation centers nationwide to make developed technologies available to majority of MSMEs for product development	Roll-out of DOST-Developed Food Processing Equipment to the Regions	The project aims to roll out the DOST-developed food processing equipment for product quality and productivity improvement of food processors in the regions.	112,448,387	ITDI – DOST	<ul style="list-style-type: none"> <li>- Fabricated six (6) sets of five (5) food processing equipment (i.e. water retort, freeze dryer, vacuum packing machine, vacuum fryer, &amp; spray dryer)</li> <li>- Conducted training to DOST XI and II</li> </ul>	<ul style="list-style-type: none"> <li>- Fabricate &amp; deploy current and additional food processing equipment</li> <li>- Conduct trainings on equipment operations and maintenance</li> </ul>	<ul style="list-style-type: none"> <li>- Deployed DOST-developed food processing equipment to the FICs in regions 2, 6, 8, 10, 11, and NCR</li> <li>- Conducted trainings on equipment operations and maintenance for DOST 2, 6, 8, 9, 10, 11, NCR, 4A, 4B</li> </ul>	67%	<p>The project is extended until December 2016 due to the following reasons:</p> <ul style="list-style-type: none"> <li>-Failed bidding for the fabrication of the DOST – developed food processing equipment of the Batch 2 regions</li> <li>-Fabrication delays on the 1<sup>st</sup> batch of equipment</li> <li>-Technical and safety concerns on the 1<sup>st</sup> batch of equipment</li> </ul>
B. Enhance/upgrade	Setting-up of One Stop	The project aims to	11,280,492	ITDI – DOST; 5	One (1) ULIMS and one (1)	- Support and maintain the	- Deployed ULIMS to	95%	

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testing, calibration and quality assurance facilities and services	Laboratory Services for Global Competitiveness (One Lab)	eliminate shuttling of the industries/customers from one laboratory testing requirements.		DOST RDIs; and 15 DOST Regional Offices	Referral system for the six (6) DOST agencies and fifteen (15) DOST Regional offices	Unified Laboratory Information Management System (ULIMS)	20 laboratories out of the 21 identified laboratories		
<b>Outcome 3: State-of-the-art facilities and capabilities that enable local industries to move up the value chain and attain global competitiveness</b>									
A. Enhance innovative capacity of the local Semiconductor electronics industry	Establishment and Operation of the Advanced Materials Testing Laboratory (ADMATEL)	The project aims to improve the operation of ADMATEL for the semiconductor and electronics industries.	30,089,240	ITDI – DOST	- 44 new clients - P3.87M revenue	Improve and sustain the operations of ADMATEL	- Generated P4.99M revenue in 2015 - Customers increased by 145% since 2013 (from 44 to 108 in 2015) - Philippine Accreditation Bureau (PAB) accredited two ADMATEL laboratories (Thermal and Chemical & Metallurgical) for PNS	100%	

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							ISO /IEC 17025: 2005.		
	Establishment and Operation of the Electronics Product Development Center (EPDC)	The project will house hardware and software tools and facilities that can be used by companies or schools to design develop and test hardware and software for electronics products for their intended applications.	17,508,713	ASTI – DOST	<ul style="list-style-type: none"> <li>- Continuous rehabilitation of the MIRDC TBIC</li> <li>- Installed five (5) seats of design simulation and ALTIUM for the circuit and PCB designs</li> <li>- Installed one (1) seat of solidworks for the enclosure design and heat management analysis</li> </ul>	<ul style="list-style-type: none"> <li>- Set-up infrastructure, tools and equipment for the electronics product development center</li> <li>- Conduct human resource development workforce</li> </ul>	<ul style="list-style-type: none"> <li>- Established the three operational (3) facilities</li> <li>- Identified 37 prospective clients</li> <li>- Started providing EMC testing (11/12/15) and PCB prototyping services (07/20/15)</li> <li>- Conducted software training for Altium Designer and Solidworks (Design and Flow Simulation) for project staff</li> </ul>	80%	The project requested for a 6-month extension to provide sufficient time for the delivery of procured items and most importantly release of NCA from the DBM which will be used for the payment of delivered goods and services.
	Establishing the Philippine Institute of	The project aims to aid in enhancing the contribution	29,344,631	EEEI – UPD	<ul style="list-style-type: none"> <li>- Accomplished full custom analog training module</li> </ul>	<ul style="list-style-type: none"> <li>- Faculty immersion for 12 industries and 10 academe</li> </ul>	<ul style="list-style-type: none"> <li>- Immersed 2 faculties in the industry and 8</li> </ul>	79%	The availability of the faculty and the preparations needed by each

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	Integrated Circuits	of the micro-electronics industry in the Philippines.			- Immersed faculties are now echoing their experience and developing courses for their respective universities	- Conduct 42 short courses of training with 1,260 trainees	faculties in the academe - Conducted 46 short courses of trainings with 1,380 trainees		university for accreditation were two (2) of the biggest problems faced by the project team. Faculty from universities especially private schools are heavily loaded. Also, the accreditation process that their partners needed to work on that coincided with their 2 <sup>nd</sup> year of implementation
B. Build technological capacity of local mass transport industry	Automated Guideway transit (AGT) System in Bicutan and UP Diliman	The project aims to achieve an AGT System passenger station that is efficient in layout and has a well-organized operation through simulation	34,395,000	MIRDC – DOST	- Retainer assembly and traffic signaling system - Test protocol and loading platform	- Test and evaluation of the AGT system - Implement approved protocol and verify technical viability of AGT system	- Conducted Simulation and Evaluation of AGT System at full capacity including testing the system - Automation System of AGT-UP is	100%	

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		and evaluation.					already functional - Completed Performance Testing of AGT-UP System		
	Centrally Powered Hybrid Electric Road Train	The project aims to establish performance of the Integrated Five-Coach Centrally-Powered Hybrid Electric Road Trains for local applications.	16,901,293	MIRDC – DOST	- Completed initial testing for motors synchronization, stationary test of electronic and mechanical breaking system - Demonstration run with DOST officials, PCIEERD technical monitor, and PMEDSO researchers	Electrical, Mechanical and Safety testing of the road train	- Performance Testing of CRT and LCRT	95%	
<b>Outcome 8: Science-based information on weather, climate change and geological hazards to ensure the country's survival and future in an era of extreme and rapidly changing climate</b>									
A. Provide NGAs and public with timely warnings and information on weather	Phil-LiDAR- 1. Hazard Mapping using LiDAR	The project aims to produce flood hazard maps of the remaining 2/3 (200,000 sq.km.) of the	437,476,278	TCAGP – UPD; 15 SUCs	Acquired LiDAR data from 20-23% of the river systems in 8 regions	84,263sqkm of floodplains and river systems	77,172 sq.km of flood plain with pre-processed LIDAR data distributed to PHIL-LIDAR	92%	Actual LiDAR data were also acquired outside the floodplain

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and climate change scenarios using state of the art technologies , best practices and tools		Philippine river basins not covered by DREAM.					1 partner SUCs		
	Phil-LiDAR-2.Detailed Resources Assessment using LiDAR	The project aims to complement on-going programs of government agencies (e.g. DA, DENR, DOE) by utilizing LIDAR data.	250,020,295	TCAGP – UPD; 15 SUCs	Semi-automated algorithms and workflows	77,192 sqkm of Phil-LiDAR 1 coverage	- 36,630.29 sqkm of available LiDAR data processed - Received recognition from 2015 Asia Geospatial Excellence in Policy Implementation Award in the Geosmart Asia at Kuala Lumpur, Malaysia last September 29- October 1, 2015	47%	The project encountered the following problems: 1. Bottleneck in data transfers from Phil-LiDAR 1 to Phil-LIDAR2 2. Some LiDAR datasets are problematic and needed re-flights 3. Series of trainings were conducted which took at most 6 months; only after the series of trainings that the full processing operations started
	Computing and Archiving Research	The project aims to do the following activities:	79,301,432	ASTI – DOST	- Upgraded storage capacity with additional	- Storage repository for environmental data	- Completed the set-up (installation and	84%	The project encountered delay in the development of


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	Environment (CoARE)	<p>1. establish a durable and highly available repository for environmental data</p> <p>2. upgrade the existing computing system facility intended to test and run computationally intensive applications for numerical weather prediction, climate modeling, as well as analytics and data modeling</p>			<p>480TB (from 120TB)</p> <ul style="list-style-type: none"> <li>- Upgraded HPC with additional 640TB (from 80TB) and 1024 cores (from 400 cores)</li> <li>- Conducted training on HPC for the T.T.Chang Genetic resources Center of the International Rice Research Institute (IRRI)</li> <li>- Various DOST funded projects and some government institution are now using the CoARE Facility which can be accessed 24/7</li> </ul>	<ul style="list-style-type: none"> <li>- Catalogue service for searching archived and real-time data</li> <li>- Wiki Portal and Users' Training</li> <li>- Expanded computing</li> </ul>	<p>configuration) and deployed CoARE facility services</p> <ul style="list-style-type: none"> <li>- Enabled the automation of NOAA WISE's weather forecast.</li> <li>- Created a Wiki portal integrated with the PM and ticketing tool used by the project (Redmine) that contains tutorials, installation notes and server documentation, which can be accessed by users.</li> <li>- Conducted a series of</li> </ul>		catalogue service for CoARE services.

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						capacity and data storage - Local and international collaborations on HPC	training on HPC - Presented the CoARE project at the International Symposium on Grids and Clouds (ISGC) 2015		

Prepared by:


  
MS. TONY ROSE C. TUMANENG  
 SRS II - PCMD

01/14/16  
 Date

  
MR. ISIDRO V. QUERUBIN, JR.  
 Budget Officer

01/14/16  
 Date

Approved By:

  
CARLOS PRIMO C. DAVID, Ph.D.  
 Agency Head

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 Date

\* Form C for Planning Tool Commitments shall reflect the FY 2015 commitments of the agency stated in the Outcomes in its Final OP Planning Tool Form 1 (signed by its Department Secretary/Head of Agency) and the accomplishments for these commitments. Agency to use this same form to reflect its additional accomplishments for commitments other than those stated in its Planning Tool and label these accomplishments as Other Key Programs, Activities, Projects (PAPs).