

OFFICE PERFORMANCE COMMITMENT & REVIEW FORM (OPCR)

I, **ERLINDA A. VASQUEZ**, head of **PhilRootcrops** commits to deliver and agree to be rated on the attainment of the following targets in accordance with the indicated measures for the period July 2017 to December 31, 2017.

*Erlinda A. Vasquez*  
Head of Unit

Date \_\_\_\_\_

*Erinda A. Vasquez*  
**ERLINDA A. PATINDOL**  
Chairman, PMT

Approved:

*Edgardo E. Tulin*  
**EDGARDO E. TULIN**  
President

MFO/PAPS	Success indicators	Unit/ Persons Responsible	Target	Actual Accomplishments	Details of Accomplishments	Rating				Remarks
						Q1	E2	T3	A4	
MFO 3: Research Services	Number of R&D outputs patented/commercialized/used by the industry or by other beneficiaries <ul style="list-style-type: none"><li>• Rootcrop varieties</li><li>• Food products</li></ul>	PRDC members	6	15	<ul style="list-style-type: none"><li>• Pre-treated cassava planting materials (Lakan and Golden yellow treated with Streptomycin for the control of cassava witches broom)</li><li>• agricultural streptomycin – for the control and treatment of cassava witches broom , VERCA as FPA-accredited sole distributor</li><li>• Rootcrop varieties<ul style="list-style-type: none"><li>○ NSIC SP 25, NSIC SP 30, PSB SP 17</li><li>○ PSB CV 11, Golden Yellow and Kaplotan</li></ul></li><li>• Food products – cassava cookies (choco chips and oatmeal variants); cassava chippy (plain and with malunggay variant)</li><li>• Processing machines – cassava grates processing assembly composed of 4 machines</li></ul>	✓	✓	✓	✓	Rootcrop varieties used by the beneficiaries in Region 8 for food security and livelihood development
									Technologies disseminated through trainings and used by the beneficiaries	
									All throughout the year distribution, industry and beneficiary usage, commercialization	
									Target from January to June is carried out until July-December	

	Number of research and development outputs in the fields of agro-industrial technology* published in CHED recognized refereed journals		6	5	1 – DLSTan – Annals of Tropical Research 3 – VZAcedo – Acta Horticulturæ 1 – EETulin – Pharmacognosy Journ	5	5	4	4.67	<b><u>Publications:</u></b> Effect of Drying Methods on the physico-chemical Characteristics and Antioxidant Capacity of Taro, Sweetpotato, Stevia and Malunggay Leaves. Mesias, Insig Chris, <b>Daniel Leslie S. Tan</b> and <b>Benjamin Cinto</b> . ATR Vol 39, no. 2
	Number of faculty engaged in research work applied in any of the following: • Publishing (investigative, or	PRDC Members	4	3	<b><u>Publications:</u></b> 1 – DLSTan – Annals of Tropical Research 3 – VZAcedo – Acta Horticulturæ 1 – EETulin – Pharmacognosy Journal	5	5	4	4.67	<b><u>Publications:</u></b> Alpha-glucosidase inhibitory activity and fractionation of bioactive compounds from bark extracts of sibucao (Caesalpinia sappan L.) In the Philippines Tulin, E.K.C.B., Loreto, M.T.P., Tulin, E.E Pharmacognosy Journal 9 (3). 5 pp  Quality planting materials for cassava industry development. <b>V.Z. Acedo 2017</b> . Acta Horticulturæ  In vitro genebanking for taro (Colocasia esculentis Schott) germplasm conservation. V.Z. Acedo 2017 et. Al. Acta Horticulturæ  High-value application of cassava starch in root crop micropropagation for sustainable seed systems in developing countries. <b>V.Z. Acedo. 2017</b> . Acta Horticulturæ  Effect of Drying Methods on the physico-chemical Characteristics and Antioxidant



basic and applied scientific research)								Capacity of Taro, Sweetpotato, Stevia and Malunggay Leaves. Mesias, Insig Chris, <b>Daniel Leslie S. Tan</b> and <b>Benjamin Cinto</b> . ATR Vol 39, no. 2
								High-value application of cassava starch in root crop micropropagation for sustainable seed systems in developing countries. <b>V.Z. Acedo, 2017</b> . Acta Horticulturae
								<i>In vitro</i> genebanking for taro (Colocasia esculenta Schott) germplasm conservation. <b>V.Z. Acedo 2017</b> et. Al. Acta Horticulturae
								Quality planting materials for cassava industry development. <b>V.Z. Acedo 2017</b> . Acta Horticulturae
								Alpha-glucosidase inhibitory activity and fractionation of bioactive compounds from bark extracts of sibucao (Caesalpinia sappan L.) In the Philippines Tulin, E.K.C.B., Loreto, M.T.P., Tulin, E.E Pharmacognosy Journal 9 (3). 5 pp
<b>ADDITIONAL OUTPUTS</b>								
Number of Outputs Presented in Regional/National/International Fora /Conferences • In International Fora/Conferences	5	7	2 – EAVasquez (Thailand) 1 – ABTulin (Phil) 2 - LADConde – (Phil, So.Korea) 2 – JD Tan (So. Korea, Indonesia)	5	5	5	5	
• In National Fora/Conferences	8	12	EAVasquez – 6 JRROA -1 MAQuevedo – 1	5	5	5	5	National Cassava Stakeholders Meeting, National Review of externally Funded Projects, etc.

	<ul style="list-style-type: none"> <li>In Regional / local Fora/Conferences*</li> </ul>				ABLoreto – 1 DLStan – 1 JD Tan – 1 AB Tulin – 1				
			34	42	34 – in-house review evaluation 4 – 2 <sup>nd</sup> level in-house review 4 - RRDEN	✓	✓	✓	✓
	Number of awards received by staff* <ul style="list-style-type: none"> <li>International / National / Regional / local</li> </ul>	PRDC Members	9	13	<b>Awards Received by Staff</b> <b><u>EAVasquez</u></b> <ul style="list-style-type: none"> <li>VSU Outstanding Academician for 2017</li> <li>Regional Lingkod ng Bayan Award given by CSC Reg 8</li> <li>Presidential Lingkod ng Bayan given by national CSC</li> <li>Citation award given by NRS DA-BAR</li> </ul> <b><u>Marlon M. Tambis</u></b> <ul style="list-style-type: none"> <li>Regional PAGASA awardee given by CSC Reg 8</li> <li>National PAGASA awardee given by national CSC</li> <li>First Prize, 2<sup>nd</sup> level in-house review (Development Category)</li> </ul> <b><u>Alan B. Loreto</u></b> <ul style="list-style-type: none"> <li>First prize, 2<sup>nd</sup> level in-house review (Applied Category)</li> </ul> <b><u>Julieta R. Roa</u></b> <ul style="list-style-type: none"> <li>First Prize, 2<sup>nd</sup> level in-house review (Development Category)</li> <li>Best Poster , RRDEN</li> </ul> <b><u>Daniel Leslie S. Tan</u></b> <ul style="list-style-type: none"> <li>Best Poster , RRDEN</li> </ul> <b><u>Jose L. Bacusmo</u></b> <ul style="list-style-type: none"> <li>Outstanding Scientist given by PhilSAT</li> </ul>	✓	✓	✓	✓

					<b><u>Ladie Anne Conde</u></b> <ul style="list-style-type: none"> <li>Best Presenter, 4th International Conference on Integrative Disaster Risk Reduction and Management</li> </ul>					
	Number of research projects implemented	PRDC Members	8	43	<b><u>Research projects Implemented in 2017</u></b>  25 – on-going VSU funded 16 – externally funded 2 – newly funded	5	5	5	5	
	Amount / value of research funds / resources externally generated	PRDC Members	6.5 M	44.4 M	ABLoreto – AMIA Proj. - 1.3 M EAVasquez – DA-BAR – 32.0 M EAVasquez – DARFO 8 – 2.1 M EETulin/ABTulin - DA-BAR - 9.0 M	5	5	5	5	
	Amount / value of research funds / resources from institutional funding	PRDC Members	130,000	6.4 M	1.2 M for center's operation 5.2 M for funding of VSU funded new and on-going researches	5	5	5	5	As refelected in the Jan-June OPCR accomplishments
	Number of technologies developed	PRDC Members	6	14	<b><u>New rootcrop varieties</u></b> <ul style="list-style-type: none"> <li>New approved SP varieties - NSIC SP 35, NSIC SP 36</li> <li>Varieties resistant to scab</li> <li>Varieties resistant to cassava witches broom (WC3, UPLCA 3 &amp; 4, PSB 12-15, PSB 19, NSIC 24, NSIC 28 &amp; NSIC 30)</li> </ul> <b><u>Machineries</u></b> <ul style="list-style-type: none"> <li>improved portable vacuum fryer, improved extruder for yuca puffs and chippy</li> </ul> <b><u>Food Products</u></b> <ul style="list-style-type: none"> <li>vacuum fried sweetpotato and cassava</li> <li>rootcrop energy bars, yuca puffs, extruded ready-to-fry cassava chippy, vac fried SP, SP bread, cassava peanut kisses, cassava brownies, ug SP preserves</li> </ul>	5	5	5	5	



	Number of MOA forged	PRDC Members	3	3	ABLoreto – AMIA EAVasquez – CIP, CIAT				
	Number of proposal prepared and submitted to different funding agencies	PRDC Members	8	9	EAVasquez – 3 (submitted to DENR, DA-BAR) DLStan – 2 submitted to DA-BAR MAQuenevedo – 1 submitted to DA-BAR JRRoa – 3 (DA-BAR, ATI)	5	5	5	
	Percentage of Research Projects Conducted and Completed on Schedule (in the last 3 years)	PRDC Members	90	100		5	5	5	
	Acquisition of Research Equipment	PRDC Members	6	17	<b>Fermentation Laboratory</b> 1 Biobase Digital Viscometer - 60,576.92 1 Stand-up Refrigerator (Fujidenzo) - 22,950 1 Thermo Scientific pH/ISE meter (Orion star) - 200,000 1 ISE electrodes for pH meter for cyanide (orion) - 59,900 1 distilling apparatus - 18,990 1 Pioneer Analytical balance – 75,000 <b>Subtotal – 437,416.92</b>  <b>Biotech Laboratory</b> Set of micropipettors – 90,000  <b>Subtotal – 90,000.00</b>  <b>Pest Management Lab</b> Phase contrast microscope – 390,000.00 1 computer and printer for database – 50,000* 1 SLR camera – 39,900 2 laptops - 29,980 <b>Subtotal – 440,000.00</b>  <b>Processing laboratory</b> Ultralow freezer - 37,000 Biobase Freeze dryer – 150,000 <b>Subtotal – 187,000.00</b>	5	5	5	16 lab equipment and farm machineries amounting to Php 3,256,296.92

					<u><b>CASL</b></u> PH meter – 72,000  <b>Subtotal – 72,000</b>  <u><b>Production Div.</b></u> 1 unit 90 HP 4WD Ford Tractor – 1.9 HP* 1 unit pump and engine set – 60,000.00 *  <b>Subtotal – 1,960,000.00</b>  <b>GRAND TOTAL – 3,256,296.92</b>				
<b>MFO 4: Extension Services</b>	Number of partnerships with LGUs, industry, small and medium enterprises, and local entrepreneurs and other national agency in developing, implementing or using new technologies relevant to agro-industrial development	Extension Division	6	14 LGUS and 14 POS	Partners of the SP-ISP PCAARRD and cassava value chain projects  SP POS <ul style="list-style-type: none"><li>LAPCO (Isabel), NFA (Taclaban), 4Ps (Salvacion), KASAMAKA (Dulag), DRIC (Basey), SRFPA (Sta. Rita, Samar), BUWA (Baybay), QueFA (Ormoc), TIFA (Tinago), UKA (Palompon), BUFA (Vilaba), SUFA (Ormoc), Baybay Womens Processors Assoc., Camotes Group (Processors and farmers)</li></ul> Cassava POS <ul style="list-style-type: none"><li>LCW, Women Group-Palo, Malagos Farm Haven, Inc, SNMPC-So. Cotabato, Asiniero Farmers Assoc- Zam del Norte, Sumamnga Farmers Assoc-Ormoc, LARCA, Lauan-Samar, ASAPKAPA-Guian-Samar, FEA-Salcedo, Eastern Samar, Food Bank Center-Hinunangan, PASAHIMAPA-St. Bernard, Tacurong Producers Assoc, BASUFA-Carigara, Leyte, FMPC-Calubian, Leyte, Nutri Pros-Antipolo City, RIC-Gumaca, Quezon, Cadig Farmers Group-Guinyangan, Quezon, Torno</li></ul>	5	5	5	5
					Fatima Multipurpose Cooperative (FMPC) in Calubian, Leyte earned P447,000 for the sales of planting materials (as supplier of planting materials to PhilRootcrops) for the DA-RFO 8 Typhoon Yolanda Rehabilitation  The Cassava Growers and processors Association in Dapitan City won the 2017 Cornucopia Award given by DA National Office (Cassava Cluster Management Excellence Award). This association was technically assisted by PhilRootcrops in terms of cassava technologies (production to processing and marketing). They were provided with cassava processing machines – the cassava grates processing assembly, and the their Processing Center is already HACCP – technically assisted by Julie D. Tan  Note: the same LGUs and POS partnership since the beginning				



									of the year
	Number of poor beneficiaries of technology transfer/extension programs and activities leading to livelihood improvement	Extension Div	400	1,923	Womens Group-Ascomco, Guagua, Pampanga, Cassava Hills Growers Assoc.-Sta. Victoria, Naguilian, LIFAGI-Isabela				Note: PO membe beneficiaries since the start of the year
	<b>ADDITIONAL OUTPUTS</b>								
	Number of trainings / workshops / symposia conducted	Extension Division	6	20	Please see attached list	✓	✓	✓	Trainings conducted within the Region (Eastern Samar, Bohol and PhilRootcrops)
	Number of person-days trained weighted by length of training	Extension Division	425	1,274	Please see attached list	✓	✓	✓	Training beneficiaries were farmers, small and medium entrepreneurs, farmers and other interested clientele
	Percent of trainees who rated the training as satisfactory or better	Extension Division	100	100		✓	✓	✓	
	Number of distributed IEC materials/technoguides developed/used	Extension / Admin Div.	275	647	Please see attached list	✓	✓	✓	Most of the publications were given as part of the kit of the training participants, IEC materials in the form of hand-outs, brochures and CDs
	Percent of requests for IEC materials responded within 3 days	Extension Division	100	100		✓	✓	✓	Publications were mostly distributed as part of the participant's training kit
	Number of planting materials distributed / sold	Production Division	100,000	1,124,880		✓	✓	✓	Distributed within the region (order of DA-RFO8 for their Typhoon Ruby rehabilitation
	Number of walk-in clientele briefed with PhilRootcrops technologies	Extension / Administrative Division	275	550		✓	✓	✓	Composed of farmers, tarining participants, students, researchers, entrepreneurs and other interested clientele
	Number of students accepted for internship								Students were accepted for 1 <sup>st</sup> during the Jan-June only
	No. of partnerships with different funding agencies		3	7	Partnerships with PCAARRD, DA-BAR, ATI, DOLE, DILG, DTI, DOST and the	✓	✓	✓	



					different LGUS				
	Membership of Staff in National TWG Member of PhilRootcrops Staff in rootcrops Regional RTWG	PRDC Members	3	13	<ul style="list-style-type: none"> <li><u>DLStan</u> <ul style="list-style-type: none"> <li>Member, TWG for the Phil. National Standards for cassava chips, granules and grates</li> <li>Member - TWG for the Phil. National Standards for mechanical Dryers</li> </ul> </li> <li><u>EAVasquez</u> <ul style="list-style-type: none"> <li>Member – National technical Working Group for Cassava Standards</li> <li>Secretary – Regional Rootcrop Commodity Team</li> <li>Member – CCMEA</li> <li>Technical Consultant – BPI</li> <li>National Evaluator of Corn Cassava and HVCC programs</li> </ul> </li> <li><u>DOFerraren, NL Pido, JL Bacusmo</u> <ul style="list-style-type: none"> <li>Member- National Rootcrop Technical Working Group</li> </ul> </li> <li><u>JRRoa</u> <ul style="list-style-type: none"> <li>Member, PCAF</li> <li>Member – National technical Working Group for Cassava Standards</li> <li>National Evaluator of Corn Cassava and HVCC programs</li> <li>National Evaluator of Corn Cassava and HVCC programs</li> </ul> </li> </ul>	5	5	5	5
	No of extension projects implemented		2	7	IEPR (4 component projects) plus extension component of SP-ISP project, and cassava value chain projects	5	5	5	5
	Amount of extension money generated from external funding (Thousand PHP)	Extension Div	70,000.00	5.745 M	Rootcrops Cookfest funded by ATI – 75,000 - EMUmpad Trainings – 120,000.00 (cost sharing)	5	5	5	5

	Amount of extension money generated from institutional funding (Thousand PHP)*	Extension Div	160,000	300,000	Externally funded projects – ATI – 4.5 M for newly approved extension proposal DENR – 772,000.00 CARE – 278,000.00 VSU Funding for Integrated Extension Program for Rootcrops	✓	✓	✓	✓	As reflected in the Jan-June OPCR accomplishments
	Number of Extension MOA forged	Extension Div./ Administrative Div.	2	5	ATI- Conduct of Rootcrops Cookfest, Establishment of VSU- PhilRootcrops Learning Site, Kaisahan Foundation CARE Philippines DENR	✓	✓	✓	✓	
MFO 5: Support To Operations	Income generating services	Production Div., Engineering Div., Admin Div.		991,548	Income came from soil analysis, food products, machines and planting materials	✓	✓	✓	✓	The said income was deposited to STF
MFO6: General Administration and Support Services	Records & filing services	Admin Div.	100% services provided to clients within a day			✓	✓	✓	✓	



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Adjectival Rating												Outstanding
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Received by:

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**DANIEL M. TUDTUD**  
VP for Planning & Res. Gen

Calibrated by:

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**REMBERTO A. PATINDOL**  
VP for Administration and Finance  
Chairman, PMT

Recommending Approval:

\_\_\_\_\_

**OTHELLO B. CAPUNO**  
VP for Res. & Extension

Approved by:

\_\_\_\_\_

**EDGARDO E. TULIN**  
President

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

1 – Quality/effectiveness    2 – Efficiency    3 – Timeliness    4 – Average

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