



PERFORMANCE AGREEMENT

BETWEEN

**AGRICULTURE RESEARCH AND DEVELOPMENT
CENTRE (ARDC)-YUSIPANG**

AND

**DEPARTMENT OF AGRICULTURE (DoA),
MINISTRY OF AGRICULTURE AND FORESTS (MoAF)**

(July 1, 2019 – June 30, 2020)

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Preamble

The Performance Agreement is entered into between the Agriculture Research and Development Centre (ARDC)-Yusipang and Department of Agriculture (DoA), MoAF.

The objectives of this Performance Agreement are:

- a) To establish clarity and consensus about annual priorities for the Department of Agriculture consistent with the 12th Five Year Plan of the Ministry, and Government's other priorities;
- b) To provide an objective and fair basis for evaluating the overall performance of the Agriculture Research and Development Centre-Yusipang at the end of the financial year

The Performance Agreement represents an important accountability mechanism for inculcating a performance based culture at all levels of government.

THEREFORE, the parties hereto agree as follows:

Section 1: Vision, Mission and Objectives

Vision

A self-reliant, resilient and sustainable agriculture food system.

Mission

Achieve food and nutrition security, agricultural transformation through innovative and sustainable technologies, diversified and competitive economic/production options, inclusive and sustainable policies and programs.

Objectives

- 1) To increase crop production for enhancing food self-sufficiency, income and nutrition security
- 2) To generate and promote climate-resilient agriculture technologies
- 3) To promote organic farming for sustainable agriculture, safe food, and environment conservation
- 4) To develop functional farm infrastructures and facilities (irrigation channel, farm roads, post-harvest facilities, etc.)
- 5) To promote agriculture enterprise development
- 6) To enhance effective and efficient delivery of agricultural services

Section 2: Objectives, Success Indicators & Target

Objective	Weight	Action	Success Indicator	Unit	Weight	Excellent [100%]	Very Good [90%]	Good [80%]	Fair [70%]	Poor [60%]	
To increase crop production for enhancing food self-sufficiency, income and nutrition security	19	Horticulture Production Enhanced	Promote fruits and nuts	Number	2.5	5	4	3	2	1	
			Produce breeder vegetable seeds	Number	2	4	3	2	1	0	
			Winter (off-season) potato production promoted/intensified through seed support	Kg	1.5	8,000	7,200	6,400	5,600	4,800	
			Late-blight resistant and nutrient-dense potato varieties promoted	Kg	2	8,000	7,200	6,400	5,600	4,800	
			Seed multiplication of newly released potato cultivars for technology transfer through demonstration	MT	2.5	6	5.4	4.8	4.2	3.6	
		Cereal Production Enhanced	Quinoa Production	MT	2	16	14	13	11	10	
			Basic paddy seed production	Kg	2	400	360	320	280	240	
			Basic Quinoa seed production	Kg	2	1000	900	800	700	600	
		Highland Agriculture Farming Promoted and Sustained		Quinoa promotion	Acres	2.5	20	18	16	14	12

To generate and promote climate-resilient agriculture technologies	50	Research Knowledge and Information Enhanced	Demonstration through MAP germplasm maintenance	Number	2.5	20	18	16	14	12
			Demonstration through potato germplasm maintenance	Date	2.5	Sept	Oct	Nov	Dec	Jan
			Farmers' capacity developed to increase potato production	Number	1.5	500	450	400	350	300
			Organic technology demonstration established/developed	Date	2	Feb	Mar	Apr	May	Jun
			Research outputs packaged and promoted	Number	2	5	4	3	2	1
			Develop Potato knowledge management product (brochures)	Date	1	Feb	Mar	Apr	May	June
			Train and inspire Young agriculture enthusiast farmers	Number	2	30	25	20	15	10
			improved technology promoted in farmers field	Number	2	5	4	3	2	1
			Agriculture production research in high altitude rice	Number	2	4	4	3	2	2
		Agriculture Research Conducted	Agriculture production research in Quinoa	Number	2.5	3	2	2	1	

			Conduct trials on propagation of seedlings from stone fruits and local persimmon seeds	Timeline	2.5	Mar	Apr	May	Jun	Jul
			Collection and evaluate indigenous vegetable varieties	Timeline	2	Aug	Sept	Oct	Nov	Jan
			Established nationally coordinated evaluation trial on apple	Timeline	2	Jan	Feb	Mar	Apr	May
			Conduct nationally coordinated trials on Hybrid vegetable (fast track evaluation of cauliflower and varietal evaluation of egg plant)	Timeline	2	Dec	Jan	Feb	Mar	Apr
			50 Bio-fortified tetraploid clones multiplied into micro-tubers	Date	2	3rd wk April	4th wk April	1st wk May	2nd wk May	3rd wk May
			Evaluate climate resilient potato clones (G1, observation trials- Yusipang, Bumthang and Phobjikha)	Date	2.5	2nd wk April	3rd wk April	4th wk April	1st wk May	2nd wk May
			Organic crop protection measures evaluated	Number	2.5	4	3	2	1	0
			Land management and organic plant nutrient	Number	2	4	3	2	1	0

			management evaluated							
			Conduct multi-location potato varietal trials (Khangma and Bumthang)	Date	2.5	Sept	Oct	Nov	Dec	Jan
		Agriculture technologies Generated	Generate sustainable harvesting practices for medicinal plants	Number	2	4	3	2	1	0
		Agriculture Technologies Adopted	Technology transfer on package of practices on newly released cultivars in farmers field (cherry)	Timeline	2.5	Feb	Mar	Apr	May	Jun
			Promote MAP cultivation technologies	Timeline	2	Feb	Mar	Apr	May	Jun
			Promote protected cultivation of vegetables	Timeline	2	Dec	Jan	Feb	Mar	Apr
		Promote Climate Resilient Agriculture Technologies	Bio-digester and composting	Number	1.5	1000	900	800	700	600
To promote organic farming for sustainable agriculture, safe food, and environment conservation	20	Monitor and Report Flagship Program	Progress as per signed Organic Flagship Performance Agreement	Percent	20	100	90	80	70	60
To promote agriculture	3	RNR- based Enterprises	Develop Medicinal and Aromatic Plants	Timeline	3	Mar	Apr	May	Jun	-

enterprise development		Established	Enterprise							
To enhance service delivery and information management	8	Budget Utilization Ensured	Budget utilized efficiently as per the BUP	Percent	2	>95	90	80	70	60
		Frameworks/Guidelines/Standards/Strategies/Manuals developed	Standards visiting protocols developed	Timeline	2	1st wk May	2nd wk May	3rd wk May	4th wk May	June
		Annual Report/Annual Highlight Published	Annual Report Published	Timeline	2	4th wk June	1st wk Jul	2nd wk Jul	3rd wk Jul	4th wk Jul
		Regional Database Developed	Regional Database developed	Timeline	2	Dec	Nov	Jan	Feb	Mar

Section 3: Trend Values of Success Indicators

Objective	Action	Success Indicator	Unit	Actual Values [FY 2018-19]	Actual Values [FY 2019-20]	Target Values [FY 2020-21]	Target Values [FY 2021-22]	Projected Values [FY 2022-23]
To increase crop production for enhancing food self-sufficiency, income and nutrition	Horticulture Production Enhanced	Promote fruits and nuts	Number	2	3	0	0	0
		Produce breeder vegetable seeds	Number	4	4	4	4	4
		Winter (off-season) potato production promoted/intensified through seed support	Kg	20000	8,000	12,000	12,000	12,000

security		Late-blight resistant and nutrient-dense potato varieties promoted	Kg	2000	2,000	3,000	3,000	3,000
		Seed multiplication of newly released potato cultivars for technology transfer through demonstration	MT	7	6	6	6	5
	Cereal Production Enhanced	Quinoa Production	MT	64	16	188	249	311
		Basic paddy seed production	Kg	600	400	500	500	500
		Basic Quinoa seed production	Kg	500	1000	1000	1000	500
	Highland Agriculture Farming Promoted and Sustained	Quinoa promotion	Acres	18	20	22	24	25
To generate and promote climate-resilient agriculture technologies	Research Knowledge and Information Enhanced	Demonstration through MAP germplasm maintenance	Number	20	20	20	20	20
		Demonstration through potato germplasm maintenance	Number	2	2	1	1	1

		Farmers' capacity developed to increase potato production	Number	0	300	300	300	300
		Organic technology demonstration established/developed	Number	1	1	0	0	0
		Research outputs packaged and promoted	Number	5	5	5	5	5
		Develop Potato knowledge management product (brochures)	Number	5	5	4	4	4
		Train and inspire Young agriculture enthusiast farmers	Number	1	1	1	1	1
		improved technology promoted in farmers field	Number	4	4	4	4	3
	Agriculture Research Conducted	Agriculture production research in high altitude rice	Number	4	3	4	4	3
		Agriculture production research in Quinoa	Number	0	5	0	0	0
		Conduct trials on propagation of seedlings from stone fruits and local persimmon seeds	Number	0	0	0	1	0
		Collection and evaluate indigenous vegetable varieties	Time-line	0	1	1	0	0

		Established nationally coordinated evaluation trial on apple	Number	0	1	2	1	0
		Conduct nationally coordinated trials on Hybrid vegetable (fast track evaluation of cauliflower and varietal evaluation of egg plant)	Time-line	April	April	April	April	April
		50 Bio-fortified tetraploid clones multiplied into micro-tubers	Timelin e	April	April	April	April	April
		Evaluate climate resilient potato clones (G1, observation trials- Yusipang, Bumthang and Phobjikha)	Number	2	4	4	4	4
		Organic crop protection measures evaluated	Number	2	4	0	0	0
		Land management and organic plant nutrient management evaluated	Number	4	4	2	2	3
		Conduct multi-location potato varietal trials (Khangma and	Number	0	4	2	4	0

		Bumthang)						
	Agriculture Technologies Generated	Generate sustainable harvesting practices for medicinal plants	Number	0	1	0	0	0
	Agriculture Technologies Adopted	Technology transfer on package of practices on newly released cultivars in farmers field (cherry)	Number	1	1	1	0	0
		Promote MAP cultivation technologies	Number	20	25	20	30	20
		Promote protected cultivation of vegetables	Number	2	2	1	0	0
	Promote Climate Resilient Agriculture Technologies	Bio-digester and composting	Number	1000	1000	1000	1000	1000
To promote organic farming for sustainable agriculture, safe food, and environment conservation	Monitor and Report Flagship Program	Progress as per signed Organic Flagship Performance Agreement	Percent	0	100	100	100	100
To promote agriculture enterprise development	RNR- based Enterprises Established	Develop Medicinal and Aromatic Plants Enterprise	Number	0	1	1	1	0

To enhance service delivery and information management	Budget Utilization Ensured	Budget utilized efficiently as per the BUP	Percent	>95	>95	>95	>95	>95
	Frameworks/ Guidelines/Standards/Strategies/Manuals Developed	Standards visiting protocols developed	Number	0	1	1	1	1
	Annual Report/Annual Highlight published	Annual Report Published	Number	1	1	1	1	1
	Regional Database Developed	Regional Database developed	Number	0	1	0	0	0

Section 4: Definition of Success Indicators

Success Indicator	Description	Data Collection Methodology	Data Collection Frequency	Data Source
Promote fruits and nuts	The SI measures the promotion of pear and dragon fruits in five location in the region	Field report	Annual	Annual Report
Produce breeder vegetable seeds	The SI measures the production of basic seeds of four varieties of lettuce(released vegetable)	Field report	Annual	Annual Report
Winter (off-season) potato production promoted/intensified through seed support	The SI measures the promotion of off-season potatoes in Samtse, Sarpang and S/jonkhkar.	Field report	Annually	Annual Report

Late-blight resistant and nutrient-dense potato varieties promoted	The SI measures the promotion of late blight resistant potato varieties in Potato growing Dzongkhags of Trashigang, Mongar, Bumthang, Wangdue, Gasa, Paro, Haa, Chukha and Thimphu.	Field report	Annual	Annual Report
Seed multiplication of newly released potato cultivars for technology transfer through demonstration	The SI measures the production of 6 MT of newly released cultivars through demonstration and seed village approach in potato growing Dzongkhags.	Field report	Annual	Annual Report
Quinoa Production	The SI Measures the Quantity of quinoa produced by ARDCs,	Field report	Half Yearly	Annual Report
Basic paddy seed production	The SI measures the quantity of Increase basic seed production of 10 high altitude rice varieties	Field report	Annual	Annual Report
Basic Quinoa seed production	The SI measures the basic seed production of Quinoa varieties	Field report	Annual	Annual Report
Quinoa promotion	The SI measures the area under quinoa promoted by ARDC Yusipang, Bajo, Wengkhar in collaboration with highland Dzongkhags namely Haa, Thimphu, Chhukha, Paro, Gasa, Bumthang and Trashigang Dzongkhags	Field report	Annual	Annual Report
Demonstration through MAP germplasm maintenance	The SI measure the collection of 20 new herbs or medicinal plants and maintained in the herb garden	Field report	Annual	Annual Report
Demonstration through potato germplasm maintenance	The SI measures the timeline by which 2 demonstration trials will be conducted for maintaining germplasm of 4 released varieties (Yusi Maap, NKK, Khangma Kaap, Desiree)	Field report	Annual	Annual Report

Farmers' capacity developed to increase potato production	The SI measures the number by which 300 farmers will be trained on improved package of practices on potato production to support DOA's target of 59,565 MT	Training reports,	Annual	Annual Report
Organic technology demonstration established/developed	The SI measure the timeline by which an organic technology demonstration plot in the center to demonstrate various organic Agriculture technologies. This include land demarcation, mapping area layout site development and showcasing proven and potential technologies;	Field report	Annual	Annual Report
Research outputs packaged and promoted	The SI measures the numbers of Package research outputs for horticulture, field crops, MAP, organic, Potato as extension material and promote it through various means; publication of center's annual reports and other publications.	Publication	Annual	Annual report
Develop Potato knowledge management product (brochures)	The SI measures the number of Supported farmers and youths to adopt improved technologies in the field through focus village and lead farmers approach.	Field report	Annual	Annual report
Train and inspire Young agriculture enthusiast farmers	The SI measures the time line by which the package of practices on potato production will be produced as a research-extension material for knowledge management purposes. It will be in the form of technical bulletin series.	Published bulletin	Annually	Annual Report
Improved technology promoted in farmers field	The Si measures the number of different trials on high altitude rice conducted	Field report	Half Yearly	Annual Report /Research Protocol
Agriculture production research in high altitude rice	The Si measures the number of different trials on high altitude quinoa conducted	As per the research protocol	Half Yearly	Annual Report of ARDC Yusipang
Agriculture production research	The SI measures the timeline by which the	Field report	Annual	Annual Report

in Quinoa	propagation trials for stone fruits and local persimmon conducted			
Conduct trials on propagation of seedlings from stone fruits and local persimmon seeds	The SI measures the timeline by which the planting materials of released and new variety for nationally coordinated trials will be propagated on station.	Field report	Annual	Horticulture Program, Yusipang
Collection and evaluate indigenous vegetable varieties	The SI measures the timeline by which the trails are conducted at the national level	Research protocol/Field report	Annual	Annual Report
Established nationally coordinated evaluation trial on apple	The SI measure the timeline by which 2 indigenous vegetable varieties is collected and evaluated	Research protocol/Report	Annual	Annual Report
Conduct nationally coordinated trials on Hybrid vegetable (fast track evaluation of cauliflower and varietal evaluation of egg plant)	The SI measures the time lines by which the Selected best performing clones will be evaluated in multi location for generation of nutrient-dense and late blight resistant varieties.	Field report	Annual	Annual Report
50 Bio-fortified tetraploid clones multiplied into micro-tubers	The SI measures the timeline by which the G1 observation trills is completed	Field report	Annual	Annual Report
Evaluate climate resilient potato clones (G1, observation trials- Yusipang, Bumthang and Phobjikha)	The SI measures the number of Evaluation of bio pesticides on different crops, formulations and extraction of bio plant protection materials from local plants; research of cultural practices for weed, pest and disease management	Field report	Annual	Annual Report /Research Protocol
Organic crop protection measures evaluated	The SI measures by number on the Study of soil erosion in permanent plot at center, study the impact of green manuring, crop rotation with legumes and different organic and bio fertilizer on soil nutrient content and soil properties. Evaluate different practices of	Field report	Annual	Annual Report /Research Protocol

	organic fertilizer preparation and quality enhancement.			
Land management and organic plant nutrient management evaluated	The SI measures the timeline by which the multi-location trials conducted in Khagma and Bumthang	Field report	Annual	Annual Report
Conduct multi-location potato varietal trials (Khangma and Bumthang)	The SI measures the promotion of important domesticated medicinal plants in one village	Training reports, Field reports	Annual	Annual Report
Generate sustainable harvesting practices for medicinal plants	The si measures the number of POP published for the released cultivars in farers field	Published bulletin	Annually	Annual Report
Technology transfer on package of practices on newly released cultivars in farmers field (cherry)	The si measure the cultivation technologies promoted	Progress report	Annual	Annual Report
Promote MAP cultivation technologies	The SI measures the number of youth or young farmers trained on improved technologies of horticulture crop production	Field report/Training Report	Annual	Annual Report
Promote protected cultivation of vegetables	The SI measures the timeline by which the protected vegetable cultivation technology is being promoted through trainings and input supply	Annual reports/ Training reports	Annual	Annual Report
Bio-digester and composting	The SI measures the number of bio-digester constructed.	Field Report	Annual	Annual Report
Progress as per signed Organic Flagship Performance Agreement	This SI measures the status of progress of 7 Organic Success Indicators which are responsibility of ARDC-Yusipang as outlined in the organic flagship APA.	Field Report	Annual	Progress report of NOFP/Annual Report
Develop Medicinal and Aromatic Plants Enterprise	The SI measures the timeline on which the culinary herb enterprise is established at Ganey geog	Training reports	Annual	Annual Report
Budget utilized efficiently as per the BUP	The SI measures the Percent of budget utilized by percentage	Pems Report	Annual	Budget Utilization

				Report
Standards visiting protocols developed	The SI measures the timeline in which the Standard visiting protocol is developed	Publication	annual	Annual Report
Annual Report Published	The SI measures the timeline in which the Annual Report is Published	Publication	Annual	Annual Report
Regional Database developed	The SI measures the timeline in which the Regional Database is being developed	Data base	Annual	Annual Report and the Database

Section 5: Requirements from Other Agencies

Organization Name	Relevant Success Indicator	Requirement from the Organization	Justification for the Requirement	Requirement Detail	Impact (If Not Met)
DAMC	Organic product certified	Marketing information on identified products for organic certification	NOP is a cross sectoral agency and needs information from different line departments	Marketing information and technical collaboration	Target will be unaccomplished
All Dzongkhag	Area and production under organic management increased	Field data on area and production under organic management	NOP's annual plan will be implemented at the Dzongkhags	Crop wise details such as area, and production in Dzongkhags	Target will be unaccomplished
All Dzongkhag	Bio-digester and composting	Implementation and report from Dzongkhags	NoP is not implementing this activity	Implementation and report from Dzongkhags	Target will be unaccomplished

<p>Dzongkhag administration of Western region (Thimphu, Chhukha, Haa, Paro)</p>	<p>Promote protected cultivation of vegetables</p>	<p>Need support from the Dzongkhag Agriculture Officer and relevant Agriculture Extension to identify major challenges in protected cultivation of the existing structures. This will help RDC in rendering the relevant technical assistance for the effective management of crops under protected conditions.</p>	<p>Support from the Dzongkhag agriculture team is deemed necessary for successful implementation of the activity.</p>	<p>Collaboration and cooperation required from the dzongkhag</p>	<p>Overall vegetable production target will be hampered</p>
<p>All the other research centers</p>	<p>Conduct nationally coordinated trials on Hybrid vegetable (cauliflower and egg plant)</p>	<p>All the research centers across the country should come to a common consensus to test the varieties through NCTs and provide timely data and or reports on the same.</p>	<p>This is mandatory as the research centers are situated at different agro-ecological zones and it is prerequisite to test the varieties for its adaptability and performance under varying agro-ecological conditions before release.</p>	<p>Timely monitoring, data collection and report submission</p>	<p>A fully reliable and authentic data on the suitability or performance of the crop will be a challenge</p>

Bajo RDC	Establish nationally coordinated evaluation trial on apple	Technical Collaboration	Gasa Dzongkhag in which the apple Evaluation trial is to be carried out falls under the jurisdiction of Bajo RDC	Technical assistance as well as a medium for communicating with the dzongkhag administration and relevant extension agents for identification of farmers for establishment of the apple orchard.	Failure of the activities
Dzongkhags and National Biodiversity Center	Collection and evaluate indigenous vegetable varieties	Support from NBC in the form of access to germplasm is required so that RC can use those collected germplasm for evaluation and release. Support from relevant dzongkhag agriculture team is required for identification and collection of potential vegetable landraces.	Support from the Dzongkhag agriculture team is deemed necessary for successful implementation of the activity.	Collaboration and cooperation required from the dzongkhag	Alternatives to hybrid seeds and sustainable agriculture will be minimal.
Dzongkhag Administration (Chukha, Haa, Paro, Thimphu,Gasa)	Promote fruits and nuts	Collaboration	Need collaboration with respective DAOs and Agriculture Extension Agents for timely carrying out of activities.	Farmer identification for orchard establishment, plantation establishment, organizing farmers for trainings,	Failure of the activities
	Technology transfer on package of practices on newly released cultivars in farmers field				

				monitoring and reporting	
Relevant Dzongkhags/geogs	Winter (off-season) potato production promoted/intensified through seed support	Seed distribution and beneficiary list from the Dzongkhags (Involvement of DAOs and Extension Agents)	Relevant geogs selection based on production potential	Liaising with local government officials and farmers	Less quantity of Potato produced in winter and import needed to substitute the demand
	Late-blight resistant and nutrient-dense potato varieties promoted	Seed distribution and beneficiary list from the Dzongkhags (Involvement of DAOs and Extension Agents)	Relevant geogs selection based on production potential	Liaising with local government officials and farmers	Insufficient late blight and nutrient dense potato varieties for growers
	Seed multiplication of newly released potato cultivars for technology transfer through demonstration	Identification of potential households in Dzongkhags, gewogs and liaise with farmers. Seed distribution, monitoring and production assessment	NPP is a national program and support from local government is essential for implementation	Participation of farmers, extension and tshogpas, gups and relevant officials	Unavailability of new varieties will hamper the production target of DoA (59565 MT)
National Seed Centre (Tissue Culture Lab)	50 Bio-fortified tetraploid clones multiplied into micro-tubers	Technical collaboration for In-vitro multiplication	Lack of Tissue culture lab with NPP	Carry out In-vitro multiplication to produce micro tubers	Hamper evaluation process and delay generation of new variety
NSC, Phobjikha and Bumthang	Evaluate 20 climate resilient potato clones (Yusipang, Bumthang and Phobjikha)	Provide land and other resources as NPP does not have land in Bumthang and Phobjikha	NPP does not have land in Bumthang and Phobjikha	Land, Machinery, labour contribution	Insufficient seed for further evaluation

NSC, Bumthang/ ARDSC- Khangma/ Geogs	Conduct multi- location potato varietal trials through Mother-and -Baby approach (Khangma and Bumthang)	Provide land and other resources as NPP does not have land in Bumthang and Khangma	NPP does not have land in Bumthang and Khangma	Land, Machinery, labour contribution	It will hinder the process of new variety generation
Department of Traditional Medicine Services & Department of Forest and Park Services	Generate sustainable harvesting practices for medicinal plants	Technical collaboration and support	The Program has limited expertise	For identifying and come up with technical paper, trainings	The program cannot be implemented
Floriculture Amenity and Landscaping Centre	Demonstration through MAP germplasm maintenance	Technical collaboration and support	The Program has limited expertise	For the redesigning of herb garden	The program cannot be implemented
Dzongkhags	Promote MAP cultivation technologies	Logistic	Inclusion in the EAs work plan	For logistic arrangement and farmer mobilization	The program cannot be implemented
Relevant Dzongkhags/geogs	Train and inspire Young agriculture enthusiast farmers	Collaboration in identifying potential youth in agriculture	ARDC Yusipang will not be able to identify youth as they are based in the individual dzongkhags or gewogs	Train youth enthusiasts in agriculture on the improved technologies of crop production	Skills and knowledge required for more of advanced crop production will not be disseminated to the target groups

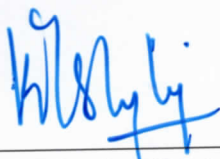
Relevant Dzongkhags/geogs	Farmers' capacity developed to increase potato production	Nomination of farmers for training to increase their production skills. Coordinate with local government for implementation.	Our stakeholders are farmers and they are based in relevant dzongkhags and geogs	Nomination, coordination and support for implementation	New production skills will not be updated and will affect DoA's production target of 59565 MT
NSSC	Land management and organic crop protection measures evaluated	Technical collaboration	NSSC has the required technical capacity to evaluate soil nutrient	laboratory analysis of soil nutrient contents,	Poor research output
NPPC	Evaluate various organic soil nutrient and plant protection technology	Technical collaboration	NPPC has the required technical capacity on assessing plant protection measures.	Identify relevant bio- plant protection measures	Poor research output
Haa Dzongkhag Administration	Research outreach centre established at Sangbaykha	Land demarcation and registration	Survey and registration not completed	Land survey and process thram	Establishment of research outreach centre will not take place
National Post Harvest Centre	Develop Medicinal and Aromatic Plants Enterprise	Technical collaboration and support	The Program has limited expertise	For product development	The program cannot be implemented
AED, DoA	Research outreach centre established at Sangbaykha	Design and estimation of office	ARDC Yusipang does not have manpower and capacity to design and estimate	Engineering Division to design and prepare estimates for office building and fencing	Timely construction of Office will be hampered

Whereas,

I, Program Director, Agriculture Research and Development Centre (ARDC)-Yusipang, commit to the Director, Department of Agriculture (DoA), MoAF to deliver the results described in this Annual Performance Agreement.

We, Department of Agriculture, MoAF commit to the Program Director, Agriculture Research and Development Centre-Yusipang to provide necessary support for the delivery of the results described in this Annual Performance Agreement.

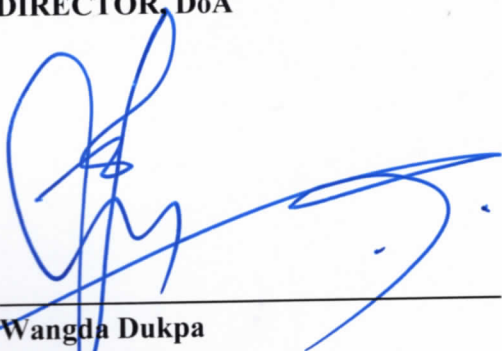
SIGNED:



**Kinlay Tshering (Ms.)
DIRECTOR, DoA**

28th August, 2019

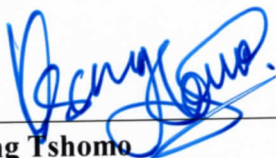
Date



**Wangda Dukpa
CHIEF, ARED**

28/08/2019

Date



**Kesang Tshomo
PROGRAM DIRECTOR
ARDC-YUSIPANG**

28/8/2019

Date