

PMR Operational Report

Operation Number	GY-L1060	Chief of Operations Validation Date	04/12/19
Year- PMR Cycle	Second period Jan-Dec 2018	Division Chief Validation Date	04/17/19
Last Update	04/11/19	Country Representative Validation Date	05/15/19
PMR Validation Stage	Validated by Representative		

Basic Data

Operation Profile

Operation Name	Sustainable Agricultural Development Program	Loan Number	3798/BL-GY
Executing Agency	MINISTRY OF AGRICULTURE (HYDRAUL.DEPT)	Sector/Subsector	AG-DEV - AGRICULTURE AND RURAL DEVELOPMENT-SUSTAINABLE AGRICULTURAL DEVELOPMENT
Team Leader	COLLINS, MICHAEL I.	Overall Stage	Disbursing (From eligibility until all the Operations are closed)
Operation Type	Loan Operation	Country	GUYANA
Lending Instrument	Investment Loan	Convergence related Operation(s)	
Borrower	COOPERATIVE REPUBLIC OF GUYANA		

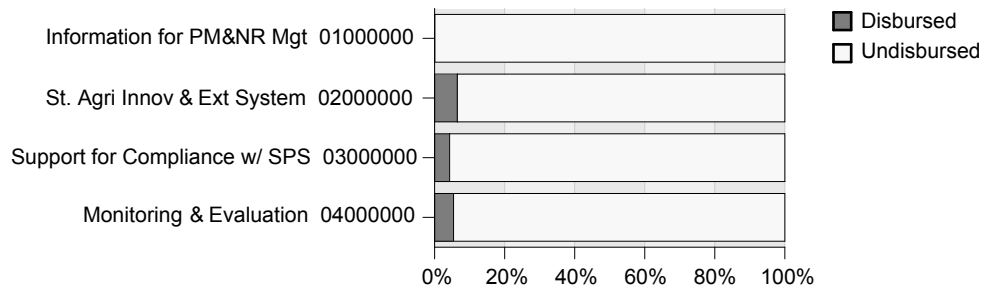
Environmental and Social Safeguards

Impacts Category	A	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating	Unsatisfactory	Date of approval	
Safeguard Performance Rating - Rationale	1. Potential significant impacts on critical natural habitat (CNH). 2. Potential significant impacts to Amerindian communities over their access and use of the territory and natural resources. 3. Potential overlap of project area (research center and reservoir) in Region 9 with proposed extension of Amerindian territory. 4. Consultations done during preparation were not meaningful.		

Financial Data

Item	Total Cost and Source					Available Funds (US\$)			
	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disb	Undisbursed Amount
GY-L1060	15,000,000	15,000,000	0	0	15,000,000	15,000,000	1,855,428	12.37%	13,144,572
Aggregated	15,000,000	15,000,000	0	0	15,000,000	15,000,000	1,855,428	12.37%	13,144,572

Expense Categories by Loan Contract (cumulative values)



Please note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

PMR Operational Report

RESULTS MATRIX

IMPACTS

Impact Nbr. 0: Average gross value of farm's agricultural production (increase expected)

Observation: Target EOP values based on expected yield increases for cassava, bean, and cattle

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
0.0	Average gross value of farm's agricultural production (increase expected)	USD/farm	582.39	2016	P	848.20	848.20
					P(a)	848.20	848.20
					A		
Details							
Means of verification: Baseline and final evaluation							
Pro-Gender		No		Pro-Ethnicity		No	

Impact Nbr. 1: Average gross value of farm's livestock production (increase expected)

Observation: Target EOP values based on expected yield increases for cassava, bean, and cattle

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
1.0	Average gross value of farm's livestock production (increase expected)	USD/farm	223.85	2016	P	654.28	654.28
					P(a)	654.28	654.28
					A		
Details							
Means of verification: Baseline and final evaluation							
Pro-Gender		No	Pro-Ethnicity		No		

Impact Nbr. 2: Reduction on the pressure on fragile ecosystems by inefficient livestock production (inefficient use of pastures)

Observation: Hectares removed from livestock production. Suitable buffer zones around pasture areas established. Technology transfer will reduce use of pasture areas. Intensity (animals / ha) will increase.

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
2.0	Reduction on the pressure on fragile ecosystems by inefficient livestock production (inefficient use of pastures)	Hectares	0.00	2016	P	570.00	570.00
					P(a)	570.00	570.00
					A		
Details							
Means of verification: Baseline and final evaluation							
Pro-Gender		No		Pro-Ethnicity		No	

PMR Operational Report

RESULTS MATRIX

OUTCOMES

Outcome Nbr. 0: Private investment in agriculture (increase expected)

Observation: Related to the census. Indicator will be measured at the national level.

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
0.0	Private investment in agriculture (increase expected)	USD millions	5.72	2016	P	7.00	7.00
					P(a)	7.00	7.00
					A		

Details

Means of verification: GO-Invest Reports

Observations: National level

Pro-Gender No **Pro-Ethnicity** No

Outcome Nbr. 1: Regional development plans prepared based on data from the agricultural census

Observation: Assuming the agricultural census is available in 2019

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
1.0	Number of development plans	Document	0.00	2016	P	3.00	3.00
					P(a)	3.00	3.00
					A		

Details

Means of verification: Ministry of communities

Observations: Regional plans based on census available on 2019

Pro-Gender No **Pro-Ethnicity** No

Outcome Nbr. 2: Productivity at the farm level of select crops for all beneficiaries of technical assistance (increase expected)

Observation: Selected crops, Baseline value from survey, EOP Target computed as 35% of yields reported by NAREI and FAO

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
2.0	Productivity at the farm level of select crops for all beneficiaries of technical assistance (increase expected) - Cassava	Kg/Ha	2,220.00	2016	P	3,883.00	3,883.00
					P(a)	3,883.00	3,883.00
					A		

Details

Means of verification: Baseline and final evaluation

Observations: Baseline value from survey, EOP Target computed as 35% of yields reported by NAREI and FAO

Pro-Gender No **Pro-Ethnicity** No

PMR Operational Report

RESULTS MATRIX

OUTCOMES

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
2.1	Productivity at the farm level of select crops for all beneficiaries of technical assistance (increase expected) - Bora bean	Kg/Ha	215.00	2017	P	4,143.00	4,143.00
					P(a)	4,143.00	4,143.00
					A		
Details							
Means of verification: Baseline and final evaluation							
Observations: Baseline value from survey, EOP Target computed as 35% of yields reported by NAREI and FAO							
Pro-Gender		No		Pro-Ethnicity		No	

Outcome Nbr. 3: Adoption of sustainable agriculture practices by farmers in Regions 5, 9 and 10

Observation: Baseline values based on agricultural household survey. Number of technologies used by households headed by male / female

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
3.0	Number of technologies adopted - male headed households	Technology	3.00	2016	P	6.00	6.00
					P(a)	6.00	6.00
					A		
Details							
Means of verification: Baseline and final evaluation							
Pro-Gender		No	Pro-Ethnicity		No		

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
3.1	Number of technologies adopted - female headed households	Technology	1.00	2017	P	4.00	4.00
					P(a)	4.00	4.00
					A		
Details							
Means of verification: Baseline and final evaluation							
Pro-Gender		Yes		Pro-Ethnicity		No	

Outcome Nbr. 4: Average price of beef meat processed by pilot facilities (increase expected)

Observation: Return to the producers (value of the animal)

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
4.0	Average price of beef meat processed by pilot facilities (increase expected)	USD/Kg	3.00	2016	P	5.00	5.00

PMR Operational Report

RESULTS MATRIX

OUTCOMES

4.0	Average price of beef meat processed by pilot facilities (increase expected)	USD/Kg	3.00	2016	P(a)	5.00	5.00
					A		
Details							
Means of verification: ASDU Reports							
Pro-Gender		No		Pro-Ethnicity		No	

Outcome Nbr. 5: Use of practices that reduce pressure on ecosystems in Regions 5, 9 and 10 (increase expected)

Observation: Based on the household survey implemented during the design

Indicator		Unit of Measure	Baseline	Baseline Year		2022	EOP 2022
5.0	Number of practices	Practice	1.43	2017	P	3.00	3.00
					P(a)	3.00	3.00
					A		
Details							
Means of verification: Baseline and final evaluation							
Pro-Gender		No	Pro-Ethnicity		No		

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Generating Information for evidence – based policy making and natural resource management

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2018	EOP 2022	2018	EOP 2022
1.1	Agricultural census completed	Census	P		1	1,500,000	4,000,000
			P(a)		1	0	4,000,000
			A	0	0	0	0
1.2	MoA and GSB staff trained in data management	People trained	P	20	150	60,000	140,000
			P(a)		150		140,000
			A		0	0	0
1.3	MoA's M&E Unit increase its analysis capacity	Trainings	P	1	2	25,000	60,000
			P(a)	1	2	10,000	60,000
			A	1	0	3,422.35	3,422.35

Component Nbr. 2 Strengthening of the agricultural innovation and extension system

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2018	EOP 2022	2018	EOP 2022
2.1	Agriculture centers in Regions 9 and 10 built and refurbished	Agricultural center	P	1	2	1,300,000	3,580,000
			P(a)		2	400,000	3,580,000
			A	0	0	287,818.8	360,893.8
2.2	Design and construction of a water reservoir in Region 9 completed	Reservoir	P		1	400,000	500,000
			P(a)		1		500,000
			A	0	0	0	0
2.3	Soil laboratories constructed and implemented in research centers in Regions 9 and 10	Laboratory	P		2	20,000	140,000
			P(a)		2		140,000
			A	0	0	0	0
2.4	Research programs implemented in two research centers	Program	P	1	10	61,000	225,000
			P(a)	1	10	61,000	225,000
			A	1	1	14,022	14,022
2.5	Agricultural extension programs implemented	Program	P		3		300,000
			P(a)		3		300,000
			A	0	0	0	0
2.6	Farmers in Regions 5, 9 and 10 trained in sustainable agriculture practices that do not receive incentives	Beneficiaries (#)	P	300	3,000	220,000	680,000
			P(a)	300	3,000	54,000	680,000
			A	0	0	0	0
2.7	Farmers in Regions 5, 9 and 10 trained in sustainable agriculture practices that use technologies promoted by AC - incentives	Beneficiaries (#)	P	500	2,000	130,000	650,000
			P(a)	50	2,000	46,000	650,000
			A	0	0	0	0
2.8	NAREI and GLDA staff trained	People	P	10	50	66,000	238,000
			P(a)	10	58	42,000	238,000
			A	18	18	33,152.79	39,502.79
2.9	Environmental supervision visits to monitor agriculture research and extension	Reports	P	2	10	35,000	155,000
			P(a)	2	10	35,000	155,000
			A	2	2	1,141.33	1,141.33

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 3 Support for compliance with sanitary and phytosanitary standards

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2018	EOP 2022	2018	EOP 2022
3.1	Pilot facilities processing animals	Facility	P		2	65,000	2,460,000
			P(a)		2	210,000	2,460,000
			A	0	0	21,582.73	21,582.73
3.2	Number of livestock producers associations with annual meetings and functioning boards	Producer association	P		2	20,000	65,000
			P(a)	1	2	5,000	65,000
			A	0	0	0	0
3.3	Annual review of compliance with hygienic and environmental standards	Report	P		3		80,000
			P(a)		3		80,000
			A	0	0	0	0
3.4	Number of people trained in SPS and food safety standards	People	P	20	100	20,000	80,000
			P(a)	40	100	20,000	80,000
			A	0	0	0	150
3.5	Development and implementation of a simplified grading system for beef	Regulation	P	1	0	5,000	60,000
			P(a)	1	5	38,500	60,000
			A	1	0	26,133.33	32,666.33
3.6	Update of abattoir standards and preparation of legal framework completed	Regulation	P	1	0	5,000	60,000
			P(a)		1	38,500	60,000
			A	1	0	26,133.33	32,666.33
3.7	Adaptation of the International Codex Alimentarius to the Guyana context completed	Regulation	P	1	0	5,000	60,000
			P(a)		1	38,500	60,000
			A	1	0	26,133.33	32,667.33
3.8	Support to the GLDA to enforce standards completed	Annual report	P	1	0	15,000	75,000
			P(a)	1	5	5,000	75,000
			A	0	0	0	0

Other Cost

	Monitoring and evaluation	P			85,000	300,000
		P(a)			60,000	300,000
		A			19,625	21,615
	Project management	P			286,935	1,092,000
		P(a)			210,000	1,092,000
		A			192,108.97	296,463.97

Total Cost

	Total Cost	P			4,323,935	15,000,000
		P(a)			1,273,500	15,000,000
		A			651,273.96	856,793.96

PMR Operational Report

CHANGES TO THE MATRIX

Section	Name	Reasons	Type of Change	Subtype	Modified By	Entered in the System
Output	Adaptation of the International Codex Alimentarius to the Guyana context completed	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						03/29/2019
						04/11/2019
	Agriculture centers in Regions 9 and 10 built and refurbished	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						04/11/2019
						04/11/2019
	Annual review of compliance with hygienic and environmental standards	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	04/11/2019
	Design and construction of a water reservoir in Region 9 completed	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	04/11/2019
	Development and implementation of a simplified grading system for beef	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						03/29/2019
						04/11/2019
	Environmental supervision visits to monitor agriculture research and extension		Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						04/11/2019
	Farmers in Regions 5, 9 and 10 trained in sustainable agriculture practices that do not receive incentives	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						04/11/2019
	Farmers in Regions 5, 9 and 10 trained in sustainable agriculture practices that use technologies promoted by AC - incentives	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						04/11/2019
	MoA and GSB staff trained in data management	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	04/11/2019
	MoA's M&E Unit increase its analysis capacity	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						04/11/2019
	NAREI and GLDA staff trained	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
				Modify Physical P(a) value		03/29/2019
	Number of livestock producers associations with annual meetings and functioning boards	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	04/11/2019
	Number of people trained in SPS and food safety standards	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						04/11/2019
	Pilot facilities processing animals	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						04/11/2019
						04/11/2019
	Research programs implemented in two research centers		Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019

PMR Operational Report

CHANGES TO THE MATRIX

Section	Name	Reasons	Type of Change	Subtype	Modified By	Entered in the System
Output	Soil laboratories constructed and implemented in research centers in Regions 9 and 10	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	04/11/2019
	Support to the GLDA to enforce standards completed	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						04/11/2019
	Update of abattoir standards and preparation of legal framework completed	Financial reprogramming	Modify Output	Modify Financial P(a) value	MICHAELC	03/29/2019
						03/29/2019
						04/11/2019

PMR Operational Report

IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories