

PMR Operational Report

Operation Number	GY-L1066	Chief of Operations Validation Date	04/17/19
Year- PMR Cycle	Second period Jan-Dec 2018	Division Chief Validation Date	04/18/19
Last Update	04/16/19	Country Representative Validation Date	05/15/19
PMR Validation Stage	Validated by Representative		

Basic Data

Operation Profile

Operation Name	Energy Matrix Diversification and Institutional Strengthening of the Department of Energy (EMISDE)	Loan Number	4676/BL-GY, 4676/BL-GY-1, 4676/BL-GY-2
Executing Agency	GUYANA POWER AND LIGHT, INC., Guyana Energy Agency (GEA)	Sector/Subsector	EN-EEC - ENERGY-ENERGY EFFICIENCY AND RENEWABLE ENERGY IN END USE
Team Leader	SOLOGUREN BLANCO, JAIME	Overall Stage	Approved
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	B	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating		Date of approval	
Safeguard Performance Rating - Rationale			

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-L1066	21,160,000	21,160,000	0	0	21,160,000	21,160,000	0	0.00%	21,160,000
Aggregated	21,160,000	21,160,000	0	0	21,160,000	21,160,000	0	0.00%	21,160,000

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. 1: EXPECTED IMPACT #1 – TO DIVERSIFY THE ENERGY MATRIX

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	EOP 2023
1.0	Indicator #1 – US\$ for electricity production per kilowatt hour	US\$/kWh	0.50	2017	P	0.50	0.00	0.00	0.15		0.15
					P(a)	0.50	0.00	0.00	0.15		0.15
					A						

Details

Means of verification: Report of Executing Agency

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

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	EOP 2023
1.1	Indicator #2 – Tons of CO2 equivalent reduced per year in the townships of Bartica, Mahdia and Lethem	tCO2e/yr	0.00	2017	P	0.00	0.00	1,391.00	3,147.00		3,147.00
					P(a)	0.00	0.00	1,391.00	3,147.00		3,147.00
					A						

Details

Means of verification: Report of Executing Agency

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

Impact Nbr. 2: EXPECTED IMPACT #2 – IMPROVE RELIABILITY OF POWER SUPPLY SYSTEM

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	EOP 2023
2.0	Indicator #3 – Electricity not supplied due to system failures	MWh	3,591.00	2017	P	3,591.00	3,591.00	3,154.00	2,714.00		2,714.00
					P(a)	3,591.00	3,591.00	3,154.00	2,714.00		2,714.00
					A						

Details

Means of verification: Report of Executing Agency

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

PMR Operational Report

RESULTS MATRIX

OUTCOMES

Outcome Nbr. 1: OUTCOME # 1: Renewable energy solutions are introduced for the hinterland

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	EOP 2023
1.1	Indicator #1: Share of electricity produced with Solar PV technology is introduced in the three townships	%	0.00	2017	P	0.00	0.00	15.00	27.00		27.00
					P(a)	0.00	0.00	15.00	27.00		27.00
					A						

Details

Means of verification: Report of Executing Agency

Pro-Gender	No	Pro-Ethnicity	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	EOP 2023
1.2	Indicator #2: Women beneficiaries of economic empowerment initiatives	Number	0.00	2018	P	0.00	100.00	0.00	100.00		200.00
					P(a)	0.00	100.00	0.00	100.00		200.00
					A						

Details

Means of verification: Report of Executing Agency

Pro-Gender	No	Pro-Ethnicity	No
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Outcome Nbr. 2: OUTCOME # 2: Reinforced transmission infrastructure in the DBIS system is in operation

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	EOP 2023
2.1	Indicator #3 – Controlled and monitored electricity service outages	number per year	6.00	2017	P	6.00	6.00	4.00	1.00		1.00
					P(a)	6.00	6.00	4.00	1.00		1.00
					A						

Details

Means of verification: Report of Executing Agency

Pro-Gender	No	Pro-Ethnicity	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	EOP 2023
2.2	Indicator #4 – % of Voltage variation	%	5.00	2017	P	5.00	5.00	1.06	1.06		1.06
					P(a)	5.00	5.00	1.06	1.06		1.06

PMR Operational Report

RESULTS MATRIX

OUTCOMES

2.2	Indicator #4 – % of Voltage variation	%	5.00	2017	A						
Details											
Means of verification: Report of Executing Agency											
Pro-Gender		No			Pro-Ethnicity		No				

Outcome Nbr. 3: OUTCOME # 3: Strengthened Oil and Gas Sector Framework

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	EOP 2023
3.1	Indicator #6 – Framework	Number	0.00	2017	P	0.00	0.00	1.00	0.00		1.00
					P(a)	0.00	0.00	1.00	0.00		1.00
					A						
Details											
Means of verification: Report of Executing Agency											
Pro-Gender		No				Pro-Ethnicity		No			

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2020	2021	2022	2023	EOP 2023
3.2	Indicator #7 – Procedures for PSA	Number	0.00	2017	P	0.00	0.00	0.00	1.00		1.00
					P(a)	0.00	0.00	0.00	1.00		1.00
					A						
Details											
Means of verification: Report of Executing Agency											
Pro-Gender		No				Pro-Ethnicity		No			

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Component # 1 – Renewable energy solutions for the hinterland

	Output	Unit of Measure		PHYSICAL PROGRESS	FINANCIAL PROGRESS
				EOP 2023	EOP 2023
1.1	Output #1 – Installed capacity of solar PV farms	MW	P	3.15	8,310,000
			P(a)	0	0
			A	0	0
1.2	Output #2 – Pilot Project of Smart metering and digitalization implemented	Number	P	1	140,000
			P(a)	0	0
			A	0	0
1.3	Output #3 – Women's economic empowerment programs focused on productive use of electricity implemented	Number	P	2	150,000
			P(a)	0	0
			A	0	0

Component Nbr. 2 Component # 2 – Reinforcement of transmission infrastructure

	Output	Unit of Measure		PHYSICAL PROGRESS	FINANCIAL PROGRESS
				EOP 2023	EOP 2023
2.1	Output #4 – Transmission line from Kingston to Sophia constructed	Number	P	1	2,650,000
			P(a)	0	0
			A	0	0
2.2	Output #5 – Reinforcement of New Sophia sub-station	Number	P	1	3,250,000
			P(a)	0	0
			A	0	0
2.3	Output #6 – Drafting of technical standards for storing, disposition & treatment of equipment	number	P	1	50,000
			P(a)	0	0
			A	0	0
2.4	Output #7 – Development of staff diversity diagnostic and gender inclusion policy proposal for GPL	Number	P	1	50,000
			P(a)	0	0
			A	0	0

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 3 Component # 3 – Institutional Strengthening and Governance of the Department of Energy

				PHYSICAL PROGRESS	FINANCIAL PROGRESS
				EOP 2023	EOP 2023
Output	Unit of Measure				
3.1	Output #8 – A Regulatory framework for the O&G sector is proposed.	Number	P	1	250,000
			P(a)	0	0
			A	0	0
3.2	Output #9 – PSA contract administration procedures created.	Number	P	1	1,000,000
			P(a)	0	0
			A	0	0
3.3	Output #10 – O&G Management Strengthening program executed	Number	P	1	2,000,000
			P(a)	0	0
			A	0	0
3.4	Output #11 – DE Staff teams trained	Number	P	4	1,250,000
			P(a)	0	0
			A	0	0

Other Cost

Project Management	P		1,750,000
	P(a)		0
	A		0
Contingencies	P		310,000
	P(a)		0
	A		0

Total Cost

Total Cost	P		21,160,000
	P(a)		0
	A		0

CHANGES TO THE MATRIX

No information available for this section

PMR Operational Report

IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories