

PMR Public Report

Operation Number	GY-L1066	Chief of Operations Validation Date	10/20/21
Year- PMR Cycle	First period Jan-Jun 2021	Division Chief Validation Date	
Last Update	10/05/21	Country Representative Validation Date	
PMR Validation Stage	Validated by Chief of Operations		

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 ENERGY AGENCY (GEA), GUYANA POWER AND LIGHT, INC.	Sector/Subsector	ENERGY-ENERGY EFFICIENCY AND RENEWABLE ENERGY IN END USE
Team Leader	SOLOGUREN BLANCO, JAIME	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		

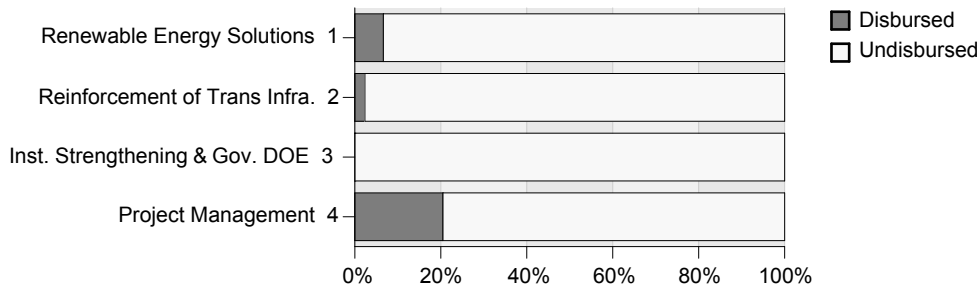
Environmental and Social Safeguards

Impacts Category	B	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating	Partially Satisfactory	Date of approval	
Safeguard Performance Rating - Rationale	Though the GEA has indicated that an E&S specialist is onboard and has demonstrated a willingness to address unresolved E&S issues, there is still lack of capacity to carry out effective E&S monitoring and supervision, particularly social aspects related to meaningful consultation. The Mahdia ESA has also been delayed as a result of these limitations. As such, a Corrective Action Plan (CAP) has been developed with ESG's assistance. No supervision/ monitoring reports have been formally submitted to the bank to confirm compliance with the Revegetation Plan at the Bartica site as required under the loan agreement.		

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	3,070,489.52	14.51%	18,089,510.48
Aggregated	21,160,000	21,160,000	0	0	21,160,000	21,160,000	3,070,489.52	14.51%	18,089,510.48

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.

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RESULTS MATRIX

General Development Objectives

General Development Objectives Nbr. 1: EXPECTED IMPACT #1 – TO DIVERSIFY THE ENERGY MATRIX

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.0	Indicator #1 – US\$ for electricity production per kilowatt hour	US\$/kWh	0.50	2017	2023	P	0.15
						A	0.50

Details

Means of verification: Report of Executing Agency

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

The General Development
bjective indicator target is
expected to be observed by
the operation's "Fully
Justified" date
in Convergence (CO)

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.1	Indicator #2 – Tons of CO2 equivalent reduced per year in the townships of Bartica, Mahdia and Lethem	tCO2e/yr	0.00	2017	2023	P	3,147.00
						A	0.00

Details

Means of verification: Report of Executing Agency

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

The General Development
bjective indicator target is
expected to be observed by
the operation's "Fully
Justified" date
in Convergence (CO)

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RESULTS MATRIX

General Development Objectives

General Development Objectives Nbr. 2: EXPECTED IMPACT #2 – IMPROVE RELIABILITY OF POWER SUPPLY SYSTEM

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
2.0	Indicator #3 – Electricity not supplied due to system failures	MWh	3,591.00	2017	2023	P	2,714.00
						A	2,583.83

Details

Means of verification: Report of Executing Agency

Pro-Gender	No	Pro-Ethnicity	No
<p>The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO)</p>			

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RESULTS MATRIX

Specific Development Objectives

Specific Development Objectives 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			15.00	27.00		27.00
					A	0.00	0.00	0.00			0.00

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			100.00	100.00		200.00
					A	0.00	0.00	0.00			0.00

Details

Means of verification: Report of Executing Agency

Pro-Gender	No	Pro-Ethnicity	No
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Specific Development Objectives 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	4.00	1.00		1.00
					A	0.00	2.00	0.00			

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	1.06
					A	2.80	1.56	0.00			

Details

Means of verification: Report of Executing Agency

Pro-Gender	No	Pro-Ethnicity	No
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RESULTS MATRIX

Specific Development Objectives

Specific Development Objectives 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			1.00			1.00
					A	0.00	0.00	0.00			
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				1.00		1.00
					A	0.00	0.00	0.00			
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	
				2021	EOP 2023	2021	EOP 2023
1.1	Output #1 – Installed capacity of solar PV farms	MW	P	1.5	3.15	6,260,000	8,310,000
			P(a)	1.5	3.15	4,448,000	8,310,000
			A	0	0	26,747.84	610,093.97
1.2	Output #2 – Pilot Project of Smart metering and digitalization implemented	Number	P	0	1	0	140,000
			P(a)	0	1	0	140,000
			A	0	0	0	0
1.3	Output #3 – Women's economic empowerment programs focused on productive use of electricity implemented	Number	P	1	2	60,000	150,000
			P(a)	1	2	60,000	150,000
			A	0	0	0	0

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

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2021	EOP 2023	2021	EOP 2023
2.1	Output #4 – Transmission line from Kingston to Sophia constructed	Number	P	1	1	2,638,200	2,650,000
			P(a)	0	1	1,289,100	2,662,199.06
			A	0	0	12,600	58,700
2.2	Output #5 – Reinforcement of New Sophia sub-station	Number	P	1	1	2,210,000	3,250,000
			P(a)	0	1	96,400	3,250,000
			A	0	0	0	6,500
2.3	Output #6 – Drafting of technical standards for storing, disposition & treatment of equipment	number	P	0	1	9,492	50,000
			P(a)	0	1	0	40,600
			A	0	1	0	40,600
2.4	Output #7 – Development of staff diversity diagnostic and gender inclusion policy proposal for GPL	Number	P	0	1	3,365	50,000
			P(a)	0	1	0	47,200
			A	0	1	0	47,200

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

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2021	EOP 2023	2021	EOP 2023
3.1	Output #8 – A Regulatory framework for the O&G sector is proposed.	Number	P	0	1	0	250,000
			P(a)	0	1	0	250,000
			A	0	0	0	0
3.2	Output #9 – PSA contract administration procedures created.	Number	P	0	1	0	1,000,000
			P(a)	0	1	0	1,000,000
			A	0	0	0	0
3.3	Output #10 – O&G Management Strengthening program executed	Number	P	0	1	0	2,000,000
			P(a)	0	1	0	2,000,000
			A	0	0	0	0
3.4	Output #11 – DE Staff teams trained	Number	P	0	4	0	1,250,000
			P(a)	0	4	0	1,250,000
			A	0	0	0	0

Other Cost

	Project Management GPL	P			127,000	482,000
		P(a)			122,200	482,000
		A			30,800	152,900

RESULTS MATRIX**OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS**

	Project Management GEA	P			362,667	1,268,000
		P(a)			178,000	1,268,000.94
		A			16,212.94	212,384.88
	Contingencies GPL	P				155,000
		P(a)				155,000
		A				0
	Contingencies GEA	P				155,000
		P(a)				155,000
		A				0

Total Cost

	Total Cost	P			11,670,724	21,160,000
		P(a)			6,193,700	21,160,000
		A			86,360.78	1,128,378.85

CHANGES TO THE MATRIX

No information available for this section

RISKS AND PLANNED RESPONSES

Risk ID	Risk Status		Risk Taxonomy
1	Active		Institutional Environment
	Response actions		
	1.1	Management Strategy	Status
		MITIGATE	ACTIVE

Risk ID	Risk Status		Risk Taxonomy
2	Active		Legal Environment
	Response actions		
	2.1	Management Strategy	Status
		MITIGATE	ACTIVE

Risk ID	Risk Status		Risk Taxonomy
3	Active		Environmental and Social Safeguards
	Response actions		
	3.1	Management Strategy	Status
		MITIGATE	ACTIVE

Risk ID	Risk Status		Risk Taxonomy
4	Active		Institutional Environment
	Response actions		
	4.1	Management Strategy	Status
		MITIGATE	ACTIVE

Risk ID	Risk Status		Risk Taxonomy
5	Active		Institutional Environment
	Response actions		
	5.1	Management Strategy	Status
		MITIGATE	ACTIVE

RISKS AND PLANNED RESPONSES

Risk ID	Risk Status		Risk Taxonomy
6	Active		Political Environment
	Response actions		
	6.1	Management Strategy	Status
		MITIGATE	ACTIVE
Risk ID	Risk Status		Risk Taxonomy
7	Active		Institutional Environment
	Response actions		
	7.1	Management Strategy	Status
		MITIGATE	ACTIVE
Risk ID	Risk Status		Risk Taxonomy
8	Active		Institutional Environment
	Response actions		
	8.1	Management Strategy	Status
		MITIGATE	ACTIVE
Risk ID	Risk Status		Risk Taxonomy
9	Active		Environmental and Social Safeguards
	Response actions		
	9.1	Management Strategy	Status
		MITIGATE	ACTIVE
Risk ID	Risk Status		Risk Taxonomy
10	Active		Environmental and Social Safeguards
	Response actions		
	10.1	Management Strategy	Status
		MITIGATE	ACTIVE

RISKS AND PLANNED RESPONSES

Risk ID	Risk Status		Risk Taxonomy
11	Active		Institutional Environment
	Response actions		
	11.1	Management Strategy	Status
		MITIGATE	ACTIVE

Risk ID	Risk Status		Risk Taxonomy
12	Active		Economic and Financial Environment
	Response actions		
	12.1	Management Strategy	Status
		MITIGATE	ACTIVE

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IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories
Others - Technical-Sectorial Dimensions
Project Design