

PMR Public Report

Operation Number	TT-L1026	Chief of Operations Validation Date	04/05/23
Year- PMR Cycle	Second period Jan-Dec 2022	Division Chief Validation Date	04/05/23
Last Update	04/05/23	Country Representative Validation Date	05/11/23
PMR Validation Stage	Validated by Representative		

Basic Data

Operation Profile

Operation Name	Multi-Phase Wastewater Rehabilitation Program- Phase I	Loan Number	2890/OC-TT
Executing Agency	WATER AND SEWERAGE AUTHORITY OF TRINIDAD AND TOBAGO	Sector/Subsector	WATER AND SANITATION-SANITATION RURAL AND PERI-URBAN
Team Leader	LEWIS, GILROY FRANCIS	Overall Stage	Fully Disbursed
Operation Type	Loan Operation	Country	Trinidad and Tobago
Lending Instrument	Investment Loan	Convergence related Operation(s)	
Borrower	TRINIDAD AND TOBAGO		

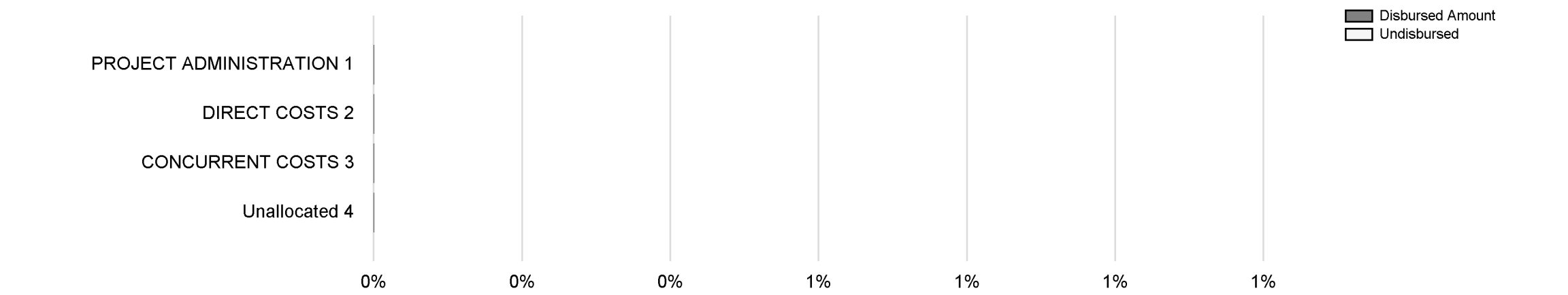
Environmental and Social Safeguards

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	Satisfactory enforcement of E&S measures at WWTP construction sites.		

Financial Data

	Total Cost and Source					Available Funds (US\$)			
Operations	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Amount
TT-L1026	246,500,000	246,500,000	0	0	246,500,000	246,500,000	246,500,000	100.00%	-
Aggregated	246,500,000	246,500,000	0	0	246,500,000	246,500,000	246,500,000	0.00%	-

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.

RESULTS MATRIX
General Development Objectives

RESULTS MATRIX

Specific Development Objectives

Specific Development Objectives Nbr. 1: New wastewater treatment plants in San Fernando and Malabar functioning according to design

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
1.1	Households with new connection to a sewerage network in pilot area (household)	# of households	0	2012	P	-	-	-	200	200	-	-	-	-	-	-	400
					A	-	-	-	-	-	-	-	71	-	-	-	71

Details

Means of Verification: Completion certificate signed by construction supervisor and WASA; Semi-annual reports to IDB.

Observations:

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	2.4.b Households with improved access to sanitation (#) (C)
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Disaggregation		African descendant	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Indigenous	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
1.2	Households connected to an improved sewerage network in Malabar and San Fernando (household)	# of households	0	2012	P	-	-	-	-	16,626	-	-	-	-	-	-	16,626
					A	-	-	-	-	-	7,500	7,500	7,571	7,571	-	-	-

Details

Means of Verification: Completion certificate signed by construction supervisor and WASA; Semi-annual reports to IDB.

Observations:

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	2.4.b Households with improved access to sanitation (#) (C)
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Disaggregation		African descendant	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Indigenous	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
1.3	Malabar: Percentage of population in the catchment covered by the WWTP (percentage)	%	0	2012	P	-	-	-	-	100	-	-	-	-	-	-	100
					A	-	-	-	-	-	100	100	100	100	-	-	-

Details

Means of Verification: WASA water quality monitoring reports (catchment area); Semi-annual reports to IDB.

Observations:

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	
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	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
1.4	San Fernando: Percentage of population in the catchment treated by the WWTP (percentage)	%	0	2012	P	-	-	-	-	100	-	-	-	-	-	-	100
					A	-	-	-	-	-	-	-	-	17	100	-	-

Details

Means of Verification: WASA water quality monitoring reports (catchment area); Semi-annual reports to IDB.

Observations:

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
1.5	Malabar: Percentage of wastewater treated by the WWTP meeting the Water Pollution Rules (percentage) and having a zero or positive net impact on downstream water quality (in relation to upstream water quality)	%	0	2012	P	-	-	-	90	90	90	90	-	-	-	-	90
					A	-	-	-	-	-	100	-	100	100	-	-	-

Details

Means of Verification: WASA water quality monitoring reports (monitoring point at outfall site). The ESMP will specify the sampling points and the definition of a baseline.

Observations:

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
1.6	San Fernando: Percentage of wastewater treated by the WWTP meeting the Water Pollution Rules (percentage) and having a zero or positive net impact on downstream water quality (in relation to upstream water quality)	%	0	2012	P	-	-	-	90	90	90	90	-	-	-	-	90
					A	-	-	-	-	-	-	-	-	-	80	-	-

Details

Means of Verification: WASA water quality monitoring reports (monitoring point at outfall site). The ESMP will specify the sampling points and the definition of a baseline.

Observations:

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
1.7	Women trained in water quality monitoring	%	0	2013	P	-	50	-	-	-	-	-	-	-	-	-	50
					A	-	-	-	21	36	-	-	-	-	-	-	57

Details

Means of Verification: WASA monitoring reports

Observations:

Evaluation Methodology: -

Pro-Gender	Yes	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
1.8	Households with treated wastewater	Households (#)	0	2013	P	-	-	-	200	16,826	17,026	17,026	-	-	-	-	17,026
					A	-	-	-	-	-	15,827	-	15,898	15,898	24,787	-	-

Details

Means of Verification: WASA Semi Annual Report

Observations:

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	Households with wastewater treatment (#) ()

**Specific Development Objectives Nbr. 2:** WASA is reorganized, strengthened and operating more efficiently

**Observation:**

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
2.1	Hours of preventative maintenance in the Malabar and San Fernando systems (hours/month)	Hours/month	200	2012	P	300	400	500	600	720	720	720	-	-	-	-	720
					A	200	297	1,284	2,750	4,200	2,500	2,400	1,600	500	400	-	4,434

**Details**

**Means of Verification:** WASA internal reports, Semi-annual reports to IDB

**Observations:**

**Evaluation Methodology:** -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
2.2	New systems (Malabar and San Fernando WWTP) operated and maintained according to design specifications (system)	System	0	2012	P	-	-	-	-	2	2	2	-	-	-	-	2
					A	-	-	-	-	-	1	-	1	1	-	-	-

**Details**

**Means of Verification:** WASA internal reports, Semi-annual reports to IDB

**Observations:**

**Evaluation Methodology:** -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
2.3	New systems (Malabar and San Fernando WWTP) designed, implemented, operating and maintained according to social and environmental specifications (system)	System	0	2012	P	-	-	-	-	2	2	2	-	-	-	-	2
					A	-	-	-	-	-	1	-	-	1	1	-	-

**Details**

**Means of Verification:** WASA internal reports, Semi-annual reports to IDB

**Observations:**

**Evaluation Methodology:** -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
2.4	WASA with new set of corporate governance policies (approved by the Board)	CG Policy	0	2012	P	-	-	1	-	-	-	-	-	-	-	-	1
					A	-	-	-	-	-	-	-	-	-	-	-	-

**Details**

**Means of Verification:** Copy of minutes of Board meeting when the approval was given.

**Observations:**

**Evaluation Methodology:** -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

	Indicator	Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
2.5	Corporate governance policies and compliance report disclosure of WASA's web page	Disclosure	0	2012	P	-	-	1	-	-	-	-	-	-	-	-	1
					A	-	-	-	-	-	-	-	-	-	-	-	-

**Details**

**Means of Verification:** Copy of screen shot of webpage showing publication.

**Observations:**

**Evaluation Methodology:** -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

Indicator		Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
2.6	WASA’s audited financial statements available to the public	Disclosure	0	2012	P	-	1	1	1	1	-	-	-	-	-	-	4
					A	-	-	-	-	-	-	-	-	-	-	-	-

**Details**

**Means of Verification:** Copy of screen shot of webpage showing docuemnts and copy of minutes where the Board approved the disclosure.

**Observations:**

**Evaluation Methodology:** -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

Indicator		Unit of Measure	Baseline	Baseline Year		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	EOP 2024
2.7	Percentage of WASA costumers served with new billing system	%	0	2012	P	-	-	-	100	100	-	-	-	-	-	-	100
					A	-	-	-	-	100	100	-	-	-	-	-	-

**Details**

**Means of Verification:** WASA Financial Planning and Management report; Semi-annual reports to IDB.

**Observations:**

**Evaluation Methodology:** -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 New wastewater treatment plants in San Fernando and Malabar functioning according to design

				PHYSICAL PROGRESS		FINANCIAL PROGRESS	
	Output	Unit of Measure		2022	EOP 2024	2022	EOP 2024
1.01	Equipment for operation and maintenance acquired (equipment)	equipment	P	-	4	-	150,000
			P (a)	-	2	-	1,243,278.27
			A	-	2	36,251.78	1,038,073.2
1.02	Malabar Waste Water Treatment Plants built (includes commissioned)	plant	P	-	1	-	63,716,869
			P (a)	-	1	-	96,154,112
			A	-	1	-	95,837,358.26
1.03	Old Malabar Waste Water Treatment Plants decommissioned (plants)	plant	P	-	1	-	1,000,000
			P (a)	-	1	-	1,000,000
			A	-	2	-	-
1.04	San Fernando Waste Water Treatment Plants built (includes commissioned)	plant	P	-	1	-	77,150,469
			P (a)	-	1	-	105,966,692.07
			A	1	1	2,152,764.11	100,803,893.2
1.05	Old San Fernando Waste Water Treatment Plants decommissioned	plant	P	-	1	-	1,000,000
			P (a)	-	1	-	-
			A	-	1	-	-
1.06	Sewage pumping stations built	Station	P	-	4	-	11,004,785
			P (a)	-	3	-	-
			A	-	3	-	-
1.07	Sewerage network built	Km	P	-	26	-	58,029,930
			P (a)	-	32.21	-	-
			A	-	31.38	-	-
1.08	Intra-domiciliary sanitary connections built in pilot area	Connection	P	-	400	-	2,812,500
			P (a)	-	106	-	-
			A	-	71	-	-
1.09	Access Road/Bridge to San Fernando WWTP built	Road	P	-	1	-	2,489,228.93
			P (a)	-	1	-	2,232,804.97
			A	-	1	-	2,239,851.25

Component Nbr. 2 WASA is reorganized, strengthened and operating more efficiently

				PHYSICAL PROGRESS		FINANCIAL PROGRESS	
	Output	Unit of Measure		2022	EOP 2024	2022	EOP 2024
2.01	Training activities on preventative maintenance (including training on use of new equipment) implemented	Training	P	-	2	-	200,000
			P (a)	-	1	-	-
			A	-	2	-	18,682.05
2.02	Training activities in water quality monitoring, including water quality assessment guidelines in line with best international practice, implemented (program)	Training	P	-	4	-	50,000
			P (a)	-	4	-	-
			A	-	3	-	-
2.03	Environmental education campaigns implemented	Campaign	P	-	2	-	50,500
			P (a)	-	2	-	8,459.55
			A	-	2	-	8,459.55
2.04	Action plan for corporate governance implemented	Plan implemented	P	-	4	-	818,448
			P (a)	-	3	-	560,000
			A	-	3	-	562,303.93
2.05	Action plan for commercial management implemented	Plan implemented	P	-	1	-	2,600,000
			P (a)	-	2	-	7,150,318.8
			A	-	2	-	7,243,269.38

Other Cost				
	Project Management and Supervision	P		1,000,000
		P (a)		170,572.68
		A		119,547.58
	Works Supervision	P		5,444,451
		P (a)		10,098,535.02
		A	434,183.88	9,587,249.19
	Contingencies	P		1,120,000
		P (a)		1,120,000
		A		0
	Auditing	P		198,668
		P (a)		207,947.3
		A	47,881.98	228,481.77
	Evaluations	P		100,000
		P (a)		65,000
		A		58,750
	Works cost escalation	P		17,559,771.93
		P (a)		2,932,736.78
		A		0
	Detailed Designs and Tender documents for Maloney WWTP	P		0
		P (a)		2,263,602
		A	297,164	1,247,017
	Bulk Metering Programme - North West Trinidad	P		0
		P (a)		0
		A		324,049.33
	Audit of System and Processes towards resolving customer complaints	P		0
		P (a)		0



	Audit of System and Processes towards resolving customer complaints	A		70,037.39
	Peer Review Services - San Fernando Collection System	P		0
		P (a)		0
		A		17,837.31
Total Cost				
	Total Cost	P	0	246,495,620.86
		P (a)	0	231,174,059.44
		A	2,968,245.75	219,404,860.39

CHANGES TO THE MATRIX

Section	Name	Type of Change	Sub type	Modified By	Entered in System
Output	San Fernando Waste Water Treatment Plants built (includes commissioned)	Modify Output	Modify Physical Historical Actual	GILROYL	3/26/2023

RISKS AND PLANNED RESPONSES

Risk ID	Risk Status		Risk Taxonomy
1	Inactive		Technical Design
	Response Actions		
	1.01	Management Strategy	Status
		MITIGATE	INACTIVE

Risk ID	Risk Status		Risk Taxonomy		
2	Inactive		Institutional Environment		
	Response Actions				
	2.01	Management Strategy		Status	
		TRANSFER		COMPLETE	
	2.02	Management Strategy		Status	
		TRANSFER		COMPLETE	

Risk ID	Risk Status		Risk Taxonomy
3	Inactive		Institutional Environment
	Response Actions		
	3.01	Management Strategy	Status
		EXPLOIT	COMPLETE
	3.02	Management Strategy	Status
		EXPLOIT	COMPLETE
	3.03	Management Strategy	Status
		MITIGATE	COMPLETE
	3.04	Management Strategy	Status
		MITIGATE	COMPLETE

Risk ID	Risk Status		Risk Taxonomy		
4	Inactive		Institutional Environment		
	Response Actions				
	4.01	Management Strategy		Status	
		MITIGATE		COMPLETE	
	4.02	Management Strategy		Status	
		MITIGATE		COMPLETE	

Risk ID	Risk Status		Risk Taxonomy
5	Inactive		Technical Design
	Response Actions		
	5.01	Management Strategy	Status
		MITIGATE	INACTIVE
	5.02	Management Strategy	Status
		MITIGATE	COMPLETE

Risk ID	Risk Status		Risk Taxonomy
6	Inactive		Economic and Financial Environment
	Response Actions		
	6.01	Management Strategy	Status
		ACCEPT	COMPLETE
	6.02	Management Strategy	Status
		ACCEPT	COMPLETE

Risk ID	Risk Status		Risk Taxonomy
7	Active		Technical Design
	Response Actions		
	7.01	Management Strategy	Status
		MITIGATE	COMPLETE
	7.02	Management Strategy	Status
		MITIGATE	ACTIVE

Risk ID	Risk Status		Risk Taxonomy
8	Active		Governance Framework
	Response Actions		
	8.01	Management Strategy	Status
		MITIGATE	ACTIVE
	8.02	Management Strategy	Status
		ENHANCE	ACTIVE

Risk ID	Risk Status		Risk Taxonomy		
9	Materialized		Planning		
	Response Actions				
	9.01	Management Strategy		Status	
		AVOID		COMPLETE	

Risk ID	Risk Status		Risk Taxonomy		
10	Active		Internal Processes		
	Response Actions				
	10.01	Management Strategy		Status	
		MITIGATE		COMPLETE	
	10.02	Management Strategy		Status	
		MITIGATE		ACTIVE	

Risk ID	Risk Status		Risk Taxonomy		
11	Inactive		Social Environment		
	Response Actions				
	11.01	Management Strategy		Status	
		MITIGATE		COMPLETE	
	11.02	Management Strategy		Status	
		MITIGATE		COMPLETE	

Risk ID	Risk Status		Risk Taxonomy		
12	Materialized		Political Environment		
	Response Actions				
	12.01	Management Strategy		Status	
		MITIGATE		INACTIVE	
	12.02	Management Strategy		Status	
		ACCEPT		COMPLETE	

Risk ID	Risk Status		Risk Taxonomy		
13	Active		Political Environment		
	Response Actions				
	13.01	Management Strategy		Status	
		ACCEPT		ACTIVE	
	13.02	Management Strategy		Status	
		ACCEPT		COMPLETE	
	13.03	Management Strategy		Status	
		ACCEPT		COMPLETE	

Risk ID	Risk Status		Risk Taxonomy		
14	Inactive		Environmental and Social Safeguards		
	Response Actions				
	14.01	Management Strategy		Status	
		MITIGATE		COMPLETE	
	14.02	Management Strategy		Status	
		MITIGATE		COMPLETE	

Risk ID	Risk Status		Risk Taxonomy
15	Active		Technical Design
	Response Actions		
	15.01	Management Strategy	Status
		MITIGATE	COMPLETE
	15.02	Management Strategy	Status
		SHARE	COMPLETE
	15.03	Management Strategy	Status
		ACCEPT	ACTIVE

Risk ID	Risk Status		Risk Taxonomy
16	Inactive		Planning
	Response Actions		
	16.01	Management Strategy	Status
		MITIGATE	INACTIVE
	16.02	Management Strategy	Status
		MITIGATE	COMPLETE

Risk ID	Risk Status		Risk Taxonomy
17	Active		Environmental and Social Safeguards
	Response Actions		
	17.01	Management Strategy	Status
		MITIGATE	COMPLETE
	17.02	Management Strategy	Status
		MITIGATE	ACTIVE
	17.03	Management Strategy	Status
		MITIGATE	COMPLETE

Risk ID	Risk Status		Risk Taxonomy
18	Inactive		Technical Design
	Response Actions		
	18.01	Management Strategy	Status
		MITIGATE	COMPLETE
	18.02	Management Strategy	Status
		MITIGATE	COMPLETE

Risk ID	Risk Status		Risk Taxonomy
19	Active		Sustainability
	Response Actions		
	19.01	Management Strategy	Status
		ACCEPT	ACTIVE
	19.02	Management Strategy	Status
		MITIGATE	COMPLETE
	19.03	Management Strategy	Status
		MITIGATE	COMPLETE

Risk ID	Risk Status		Risk Taxonomy
20	Inactive		Internal Processes
	Response Actions		
	20.01	Management Strategy	Status
		MITIGATE	INACTIVE
	20.02	Management Strategy	Status
		MITIGATE	INACTIVE

Risk ID	Risk Status		Risk Taxonomy
21	Inactive		Internal Processes
	Response Actions		
	21.01	Management Strategy	Status
		MITIGATE	COMPLETE
	21.02	Management Strategy	Status
		MITIGATE	COMPLETE



IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories
Acquisitions and Procurement - Provider Performance and Supervision
Cost and Budgetary Aspects