



Operation Number: **TT-L1018**
Year- PMR Cycle: **Second period Jan-Dec 2013**
Last Update: **5/30/2014**
PMR Validation Stage: **Validated by Representative**

Chief of Operations validation date: **06/14/2014**
Division Chief validation date: **06/17/2014**
Country Representative validation date: **06/27/2014**

Inter-American Development Bank - IDB
Office of Strategic Planning and Development Effectiveness

Operation Profile

Basic Data

Operation name:	WASA Modernization and Wastewater Infrastructure Rehabilitation Program	Loan Number:	2600/OC-TT
Executing Agency (EA):	WATER AND SEWERAGE AUTHORITY		
Team Leader:	Cayetano,Evan Stephen	Sector/Subsector:	AS
Operation Type:	Loan Operation	Overall Stage:	Disbursing (From eligibility until all the loans are closed).
Lending Instrument:	Investment Loan	Country:	TRINIDAD AND TOBAGO
Borrower:	TRINIDAD AND TOBAGO	Convergence related Operation(s):	

Total Cost and Source

	Original IDB	Current Active IDB	Local Counterpart	Co-Financing/Country	Total operation cost - Original Estimate
TT-L1018	\$50,000,000.00	\$50,000,000.00	\$0.00	\$0.00	\$50,000,000.00

Available Funds (US\$)

	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Balance
TT-L1018	\$50,000,000.00	\$24,539,648.08	49.08%	\$25,460,351.92

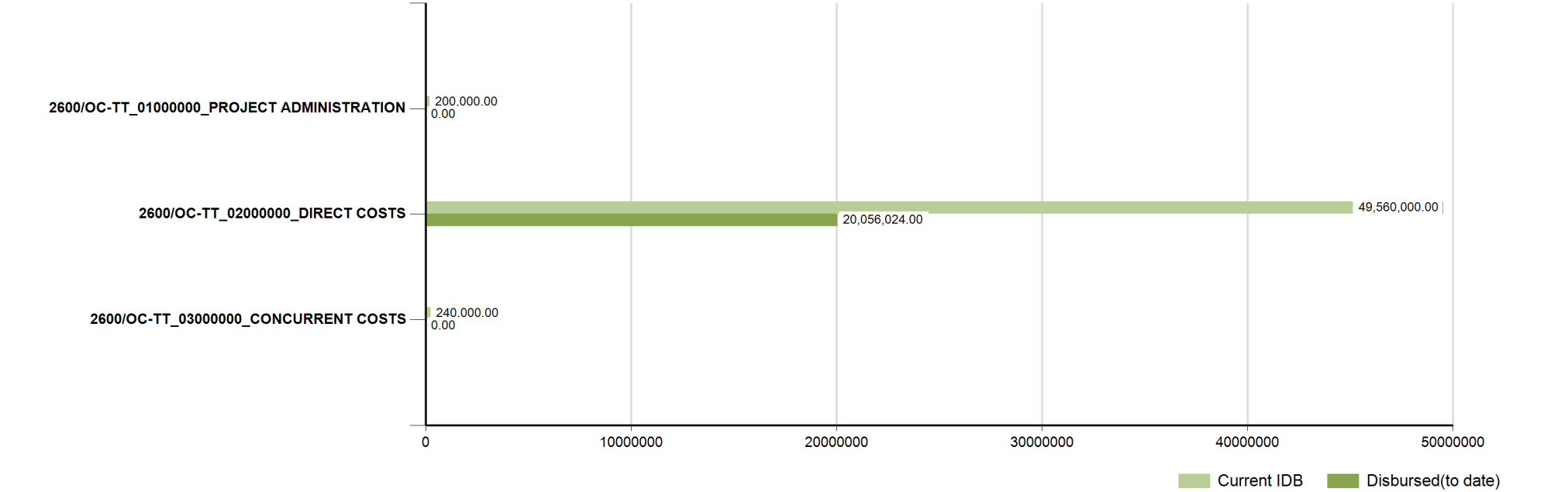
Environmental and Social Safeguards

Main Operation	
Impacts Category:	B
Safeguard Performance Rating:	
Safeguard Performance Rating - Rationale:	

Reformulation Information

Main Operation	
Was/Were the objective(s) of this operation reformulated?	NO
Date of approval:	

Expense Categories by Loan Contract (cumulative values)



Results Matrix

Impacts

No information related to this operation.

Outcomes

Outcome:	1 Wastewater management system in Trinidad improved											
Observation:												
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2013	2014	2015	2016	EOP	
1.1 Households in the program area covered by a centralized wastewater treatment systems		Households	0.00	2012	WASA statistic and water quality monitoring reports		P					10,000.00
	P(a)							0.00	8,300.00	9,100.00	9,100.00	
	A											
1.2 Average difference of Coliforms values (downstream minus upstream)for Wastewater Treatment Plants in program areas		cfu/100ml	23,000.00	2012	WASA water quality monitoring reports		P					400.00
	P(a)							0.00	7,900.00	400.00	400.00	
	A											
1.3 Estimated total daily average wastewater treated before being discharged in the Caroni river in program area		l/sec	0.00	2012	WASA water quality monitoring reports		P					0.00
	P(a)							0.00	100.00	110.00	110.00	
	A											
Outcome:	2 WASA reorganized											
Observation:												
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2013	2014	2015	2016	EOP	
2.1 Number of employees per 1,000 connection		Employees	13.00	2012	WASA Human Resources Division statistics		P					11.00
	P(a)						12.00	11.00		11.00	11.00	
	A						12.00					
2.2 Personnel cost / operating expenses		%	50.00	2012	WASA Finance Division statistics		P					38.00
	P(a)						44.00	38.00			38.00	
	A						44.00					
Outcome:	3 WASA capacity (in O&M and water quality monitoring) improved											
Observation:												

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	P(a)							0.00	8,300.00	9,100.00	9,100.00	
	A											
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	P(a)							0.00	7,900.00	400.00	400.00	
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	P(a)						12.00	11.00		11.00	11.00	
	A	12.00										
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	P(a)						44.00	38.00			38.00	
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	P(a)							0.00	7,900.00	400.00	400.00	
1.3 Estimated total daily average wastewater treated before being discharged in the Caroni river in program area		l/sec	0.00	2012	WASA water quality monitoring reports		P					0.00
	P(a)							0.00	100.00	110.00	110.00	
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	P(a)						12.00	11.00		11.00	11.00	
2.2 Personnel cost / operating expenses		%	50.00	2012	WASA Finance Division statistics		P					38.00
	P(a)						44.00	38.00			38.00	
Outcome:	3 WASA capacity (in O&M and water quality monitoring) improved											
Observation:												

Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2013	2014	2015	2016	EOP
3.1 Wastewater physical assets in good conditions in the program area		%	5.00	2012	WASA Maintenance Team report		P				90.00
							P(a)		0.00	60.00	90.00
							A				
3.2 Wastewater quality samples complying with effluent standards for rehabilitated plants in program area		%	0.00	2012	WASA monitoring reports		P				90.00
							P(a)		0.00	90.00	90.00
							A				

 RF - RF Indicator

 SI - Sector Indicator

 CI - Country Indicator

 PG - Pro-Gender

 PE - Pro-Ethnicity

Outputs: Annual Physical and Financial Progress

Wastewater management system in Trinidad improved		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2013	EOP		2013	EOP
Waste Water Treatment Plants rehabilitated in the program area	Plants	P		4.00	P	900.00	16,968,900.00
		P(a)		4.00	P(a)	3,840,215.00	17,529,398.00
		A	0.00	0.00	A	31,200.00	31,200.00
Waste Water Treatment Plants converted into lift stations in the program area	Plant	P		7.00	P	120,000.00	1,863,000.00
		P(a)		7.00	P(a)		1,863,000.00
		A	0.00	0.00	A	0.00	0.00
Gravity sewers installed in the program area	km	P		10.00	P	514,000.00	6,753,500.00
		P(a)		10.00	P(a)		6,753,000.00
		A	0.00	0.00	A	0.00	0.00
Force main built in the program area	km	P		3.00	P	99,600.00	1,343,640.00
		P(a)		3.00	P(a)		1,343,640.00
		A	0.00	0.00	A	0.00	0.00
WASA reorganized		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2013	EOP		2013	EOP
Employees accepting separation packages, Vocational Training, and Health and Safety	Employees	P	550.00	550.00	P		20,113,000.00
		P(a)	550.00	738.00	P(a)		20,113,202.00
		A	738.00	738.00	A	0.00	20,113,202.00
WASA capacity (in O&M and water quality monitoring) improved		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2013	EOP		2013	EOP
Training/action plan on Operation & Maintenance and Standard Operating Procedures developed	Plan	P		1.00	P		50,000.00
		P(a)		1.00	P(a)		50,000.00
		A	0.00	0.00	A	0.00	0.00
WASA staff trained on Operation & Maintenance and Standard Operating Procedure 2 collection system and treatment	Staff-month	P		45.00	P		200,010.00
		P(a)		45.00	P(a)		200,010.00
		A	0.00	0.00	A	0.00	0.00
Yearly water quality monitoring program implemented	Plan	P	1.00	4.00	P	65,000.00	260,000.00
		P(a)	1.00	4.00	P(a)	65,000.00	260,000.00
		A	0.00	0.00	A	63,650.34	63,650.34
WASA staff trained on environmental issues	Staff-Month	P	5.00	5.00	P	40,000.00	40,000.00
		P(a)		5.00	P(a)		40,000.00
		A	0.00	0.00	A	0.00	0.00
Management, contingencies and others							

Other Cost			2013	Cost
Project administration	P		\$80,000.00	\$200,000.00
	P(a)		\$80,000.00	\$200,000.00
	A		\$0.00	\$0.00
Auditing	P		\$60,000.00	\$150,000.00
	P(a)		\$30,000.00	\$150,000.00
	A		\$0.00	\$0.00
Work supervision	P		\$333,000.00	\$1,332,000.00
	P(a)		\$317,763.00	\$1,332,000.00
	A		\$0.00	\$0.00

Project standard information campaign	P	\$19,000.00	\$75,750.00
	P(a)	\$19,000.00	\$75,750.00
	A	\$0.00	\$0.00
Monitoring and Evaluation	P	\$7,500.00	\$90,000.00
	P(a)	\$7,500.00	\$90,000.00
	A	\$0.00	\$0.00
Total Cost		2013	Total Cost
	P	\$1,339,000.00	\$49,439,800.00
	P(a)	\$4,359,478.00	\$31,781,300.00
	A	\$94,850.34	\$20,208,052.34

Changes to the Matrix

No information related to this operation.