



Operation Number: **HA-L1032**
Year- PMR Cycle: **Second period Jan-Dec 2015**
Last Update: **3/15/2016**
PMR Validation Stage: **Validated by Representative**

Chief of Operations validation date: **03/30/2016**
Division Chief validation date: **04/07/2016**
Country Representative validation date: **04/08/2016**

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

Operation Profile

Basic Data

Operation name:	Péligre Hydroelectric Plant Rehabilitation Pogram	Loan Number:	1296/OP-HA,2073/GR-HA
Executing Agency (EA):	MINISTERE DE TRAVAUX PUBLICS, TRANSPORTS , ENERGIE ET COMMUNICATIONS,MINISTERE DE TRAVAUX PUBLICS, TRANSPORTS , ENERGIE ET COMMUNICATIONS		
Team Leader:	Thys,Pierre Kenol	Sector/Subsector:	NEW HYDROPOWER PROJECTS
Operation Type:	Loan Operation	Overall Stage:	Disbursing (From eligibility until all the loans are closed).
Lending Instrument:	Investment Loan	Country:	HAITI
Borrower:	REPUBLIQUE D' HAITI ,REPUBLIQUE D' HAITI	Convergence related Operation(s):	HA-L1038

Total Cost and Source

	Original IDB	Current Active IDB	Local Counterpart	Co-Financing/Country	Total operation cost - Original Estimate
Aggregate d	\$32,500,000.00	\$32,500,000.00	\$0.00	\$0.00	\$32,500,000.00
HA-L1032	\$12,500,000.00	\$12,500,000.00	\$0.00	\$0.00	\$12,500,000.00
HA-L1038	\$20,000,000.00	\$20,000,000.00	\$0.00	\$0.00	\$20,000,000.00

Available Funds (US\$)

	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Balance
Aggregated	\$32500000.00	25951576.38	79.85%	\$6548423.62
HA-L1032	\$12,500,000.00	\$12,425,050.55	99.40%	\$74,949.45
HA-L1038	\$20,000,000.00	\$13,526,525.83	\$0.68	\$6,473,474.17

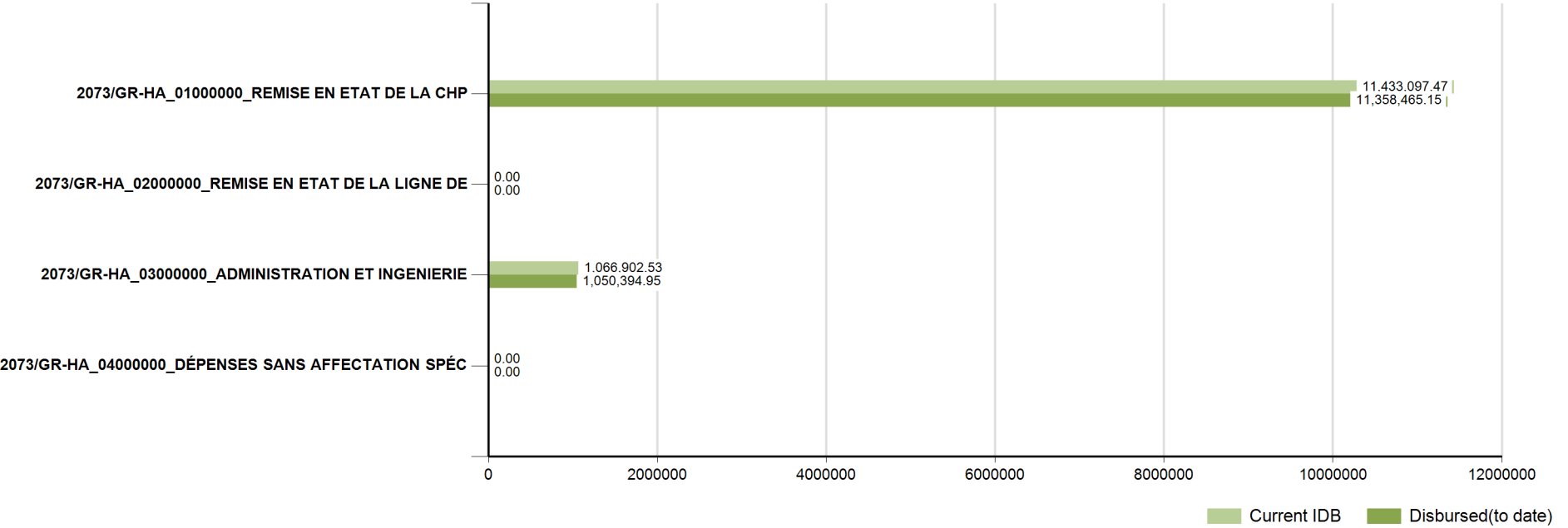
Environmental and Social Safeguards

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

Reformulation Information

	Main Operation	Oper. HA-L1038
Was/Were the objective(s) of this operation reformulated?	NO	NO
Date of approval:		

Expense Categories by Loan Contract (cumulative values)



Results Matrix

Impacts

Impact:	0 Contribute to increase the energy delivered to final consumers							
Observation:								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
0.0 Energy delivered to final consumers		GWH	163.00	2008	EDH Statistics		P	
							P(a)	225.00
							A	

 RF - RF Indicator  SI - Sector Indicator  CI - Country Indicator  PG - Pro-Gender  PE - Pro-Ethnicity

Outcomes

Outcome:	1 Electrical generation capacity in Haiti recovered												
Observation:													
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2009	2014	2015	2016	2017	EOP	
1.1 Operational availability of the three 18 MW generating unit		Generating Units	2.00	2009	Reports from EDH technical director	There are three units located at the plant. The overall project proposes to rehabilitate all the turbines, however the objective of this grant is to rehabilitate all electrical and electromechanical Equipments, install new communication system (SCADA) and	P	2.00	3.00			3.00	
							P(a)		0.00	1.00	0.00	2.00	3.00
							A	0.00	0.00	1.00	0.00		

1.2 Availability of the maximum plant generating capacity of 54 MW		MW	22.00	2009	Generation reports		P	0.00	54.00				54.00
							P(a)	0.00	0.00	18.00	0.00	36.00	54.00
							A	22.00	0.00	18.00	0.00		
1.3 Plant's nominal energy generating capacity.		GWh	163.00	2009	EDH Generation Reports		P	0.00	225.00				225.00
							P(a)	0.00	0.00	120.00	0.00	225.00	225.00
							A	163.00	0.00	120.00	0.00		
1.4 The amount of energy not delivered to the system due to lack of transmission capacity		GWh	62.00	2009	EDH Dispatching reports		P	0.00	0.00				0.00
							P(a)	0.00	0.00		0.00		0.00
							A	62.00	62.00	0.00	0.00		

Outputs: Annual Physical and Financial Progress

Component I - Rehabilitation of the electrical, mechanical, civil and communication equipment		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2015	EOP		2015	EOP
Mechanical equipment (turbines) rehabilitated	Turbines	P		3.00	P		9,896,000.00
		P(a)	1.00	3.00	P(a)	3,712,000.00	36,405,571.02
		A	1.00	1.00	A	7,726,204.27	29,405,571.02
Electrical equipment systems rehabilitated	Systems	P		0.00	P		0.00
		P(a)	2.00	2.00	P(a)	600,000.00	1,803,411.33
		A	2.00	2.00	A	600,000.00	1,803,411.33
Communication (SCADA) system rehabilitated	System	P		0.00	P		0.00
		P(a)	0.00	1.00	P(a)	600,000.00	1,300,898.00
		A	0.00	0.00	A	650,449.00	650,449.00
Civil engineering rehabilitation works completed	Works	P		0.00	P		0.00
		P(a)	0.00	1.00	P(a)	200,000.00	402,382.00
		A	0.00	0.00	A	200,000.00	200,000.00
Technical Study completed	Study	P		0.00	P		0.00
		P(a)	0.00	1.00	P(a)	500,000.00	1,939,378.71
		A	0.00	1.00	A	0.00	1,939,378.71
Component III - Engineering and Administration		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2015	EOP		2015	EOP
PTU y PCU funcionando adecuadamente	unidad	P		4.50	P		195,008.00
		P(a)		1.50	P(a)		45,008.00
		A		1.50	A		45,008.00
Consulting and Supervisory Firm	Number	P		5.00	P		265,567.00
		P(a)		2.00	P(a)		265,567.00
		A		2.00	A		265,567.00
Unallocated Expenses		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2015	EOP		2015	EOP
Contingency fund expenditures	number	P		780,000.00	P		780,000.00
		P(a)		0.00	P(a)		0.00
		A		0.00	A		0.00
Component II: Rehabilitation of the Transmission Line		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2015	EOP		2015	EOP
Transmission line rehabilitated	Kilometers	P			P		
		P(a)			P(a)		
		A			A		
Technical Study Completed	Study	P			P		
		P(a)			P(a)		
		A			A		
Other Cost					2015	Cost	
Audit				P			
				P(a)	\$15,000.00	\$69,812.05	
				A	\$7,135.28	\$69,812.05	
PTU and PCU functioning properly				P		\$45,008.00	
				P(a)	\$100,000.00	\$537,998.87	
				A	\$125,704.99	\$379,638.59	

Environmental	P		
	P(a)	\$117,464.67	\$151,000.00
	A	\$0.00	\$0.00
Contingency fund expenditures	P		\$0.00
	P(a)	\$1,455,321.89	\$1,224,747.80
	A	\$0.00	\$24,747.80
Consulting and Supervisory Firm functions adequately	P		\$265,567.00
	P(a)	\$164,306.10	\$3,354,225.22
	A	\$858,006.02	\$3,183,901.92
Total Cost		2015	Total Cost
	P		\$11,447,150.00
	P(a)	\$7,464,092.66	\$47,500,000.00
	A	\$10,167,499.56	\$37,967,485.42

Changes to the Matrix

Section	Name	Type of Change	Reasons	Entered in the System	Agreed with Executing Agency
Output	Mechanical equipment (turbines) rehabilitated	Modify Financial P(a) value	We face several challenges in the case of a rehabilitation, this is an uncertain operation to tell the truth. Peligre Power Plant has been producing electricity for more than 40 years but the plant never went to a through maintenance program. There were so many issues that the preliminary study couldn't detect. Based on the fact what was found in the first Turbine, already finished, we have anticipated provision for the rest of two. For that reason, fund were reallocated to emphasize the mechanical work.	3/14/2016	3/9/2016
Output	Civil engineering rehabilitation works completed	Modify Financial P(a) value	Same Reason with point 1	3/14/2016	3/9/2016
Output	Communication (SCADA) system rehabilitated	Modify Financial P(a) value	This part of the works is already finished and it is being tested with training foe all the technicians related to the command section.	3/14/2016	3/9/2016
Output	Electrical equipment systems rehabilitated	Modify Financial P(a) value	Most of the electrical equipment have been completed regarding the signed contract. Additional works, if any, will be treated by contract amendment and it be covered with contingencies budget.	3/14/2016	3/9/2016
Output	Technical Study completed	Modify Financial P(a) value	The regular studies have been completed so we removed the fund. Additional studies are being treated separately in Amendments to the contract.	3/13/2016	3/9/2016

Please note that the Overall Stage represents the stage of the operation at the time of this report's publication, which might not necessarily match the stage of the operation during the PMR Cycle to which the report pertains.