



Operation Number: **HA-L1032**  
 Year- PMR Cycle: **First period Jan-Jun 2014**  
 Last Update: **11/4/2014**  
 PMR Validation Stage: **Validated by Country Representative**

Chief of Operations validation date: **11/07/2014**  
 Division Chief validation date: **11/07/2014**  
 Country Representative validation date: **11/07/2014**

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).
Operation Subtype:	Specific Investment Operation	Country:	HAITI
Lending Instrument:	Investment Loan	Convergence related Operation(s):	HA-L1038
Borrower:	REPUBLIQUE D' HAITI ,REPUBLIQUE D' HAITI		

### Total Cost and Source

	Original IDB	Current Active IDB	Local Counterpart	Co-Financing/Country	Total operation cost - Original Estimate
Aggregated	\$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	18168962.50	55.90%	\$14331037.50
HA-L1032	\$12,500,000.00	\$12,313,182.75	98.51%	\$186,817.25
HA-L1038	\$20,000,000.00	\$5,855,779.75	\$0.29	\$14,144,220.25

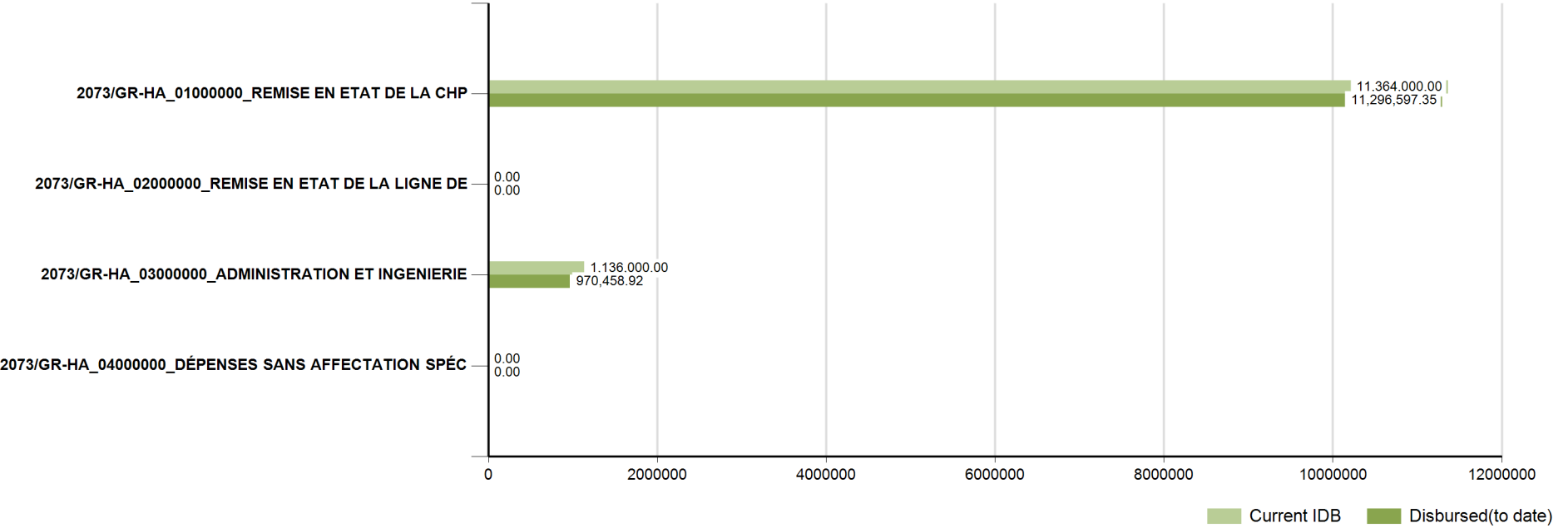
## Environmental and Social Safeguards

Main Operation	
Impacts Category:	B
Safeguard Performance Rating:	Partially Satisfactory
Safeguard Performance Rating - Rationale:	In spite of: a) limited involvement of EDH on any Environmental and Social topic b) there is still a long way to go on certain issues (HSE practices, operation manual of the plant); engagement with the community begun, and comite Peligre is progressively reinforced. In addition, after a lot of work by ESG and ENE in 2014, it was finally avoided to change methodology of works (by emptying the Lake) which would have had very important and complex Environmental and Social Impacts and Risks.

## 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	652.00	2008	EDH Statistics		P	
							P(a)	960.00
							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	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	2.00	3.00
							A	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	36.00	54.00
							A	22.00				
1.3 Plant's					EDH		P	0.00	225.00			225.00

nominal energy generating capacity.		GWh	163.00	2009	Generation Reports		P(a)	0.00	0.00	150.00	225.00	225.00
							A	163.00				
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
							A	62.00				

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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		2014	EOP		2014	EOP
Mechanical equipment (turbines) rehabilitated	Turbines	P		54.00	P		9,896,000.00
		P(a)	0.00	3.00	P(a)	8,363,441.41	27,440,849.24
		A	0.00	0.00	A	5,158,722.66	15,476,728.82
Electrical equipment systems rehabilitated	Systems	P		0.00	P		0.00
		P(a)	0.00	2.00	P(a)	1,461,111.00	3,500,000.00
		A	0.00	0.00	A	900,010.06	1,034,010.06
Communication (SCADA) system rehabilitated	System	P		0.00	P		0.00
		P(a)	0.00	1.00	P(a)	0.00	1,007,000.00
		A	0.00	0.00	A	0.00	0.00
Civil engineering rehabilitation works completed	Works	P		0.00	P		0.00
		P(a)	0.00	1.00	P(a)	0.00	800,000.00
		A	0.00	0.00	A	0.00	0.00
Technical Study completed	Study	P		0.00	P		0.00
		P(a)		1.00	P(a)	785,447.59	3,806,142.76
		A		1.00	A	489,578.71	1,939,378.71
Component III - Engineering and Administration		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2014	EOP		2014	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		2014	EOP		2014	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		2014	EOP		2014	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					2014	Cost	
Audit				P			
				P(a)	\$10,000.00	\$100,008.00	
				A	\$10,717.60	\$58,839.77	
Environmental				P			
				P(a)		\$176,197.00	
				A		\$0.00	
PTU and PCU functioning properly				P		\$45,008.00	
				P(a)	\$80,000.00	\$557,803.00	
				A	\$54,308.66	\$231,720.75	

Contingency fund expenditures	P		\$0.00
	P(a)	\$1,000,000.00	\$6,790,000.00
	A		\$0.00
Consulting and Supervisory Firm functions adequately	P		\$265,567.00
	P(a)	\$500,000.00	\$3,322,000.00
	A		\$1,247,951.33
Total Cost		2014	Total Cost
	P		\$11,447,150.00
	P(a)	\$12,200,000.00	\$47,810,575.00
	A	\$6,613,337.69	\$20,299,204.44

Changes to the Matrix

Section		Name	Type of Change	Reasons	Entered in the System	Agreed with Executing Agency
Impact		Energy delivered to final consumers	Create Impact Indicator	Part of the supplementary financing results matrix that was not reflected in the past PMR belong to HA-L1032.	5/21/2014	12/14/2011
Impact		Contribute to increase the energy delivered to final consumers	Create Impact	Part of the supplementary financing results matrix that was not reflected in the past PMR belong to HA-L1032.	5/21/2014	12/14/2011