



Operation Number: **HA-L1032**
Year- PMR Cycle: **First period Jan-Jun 2015**
Last Update: **11/27/2015**
PMR Validation Stage: **Validated by Representative**

Chief of Operations validation date: **10/19/2015**
Division Chief validation date: **11/06/2015**
Country Representative validation date: **11/06/2015**

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 |
|------------|-----------------|--------------------|-------------------|----------------------|--|
| 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 | 22969296.96 | 70.67% | \$9530703.04 |
| HA-L1032 | \$12,500,000.00 | \$12,388,762.16 | 99.11% | \$111,237.84 |
| HA-L1038 | \$20,000,000.00 | \$10,580,534.80 | \$0.53 | \$9,419,465.20 |

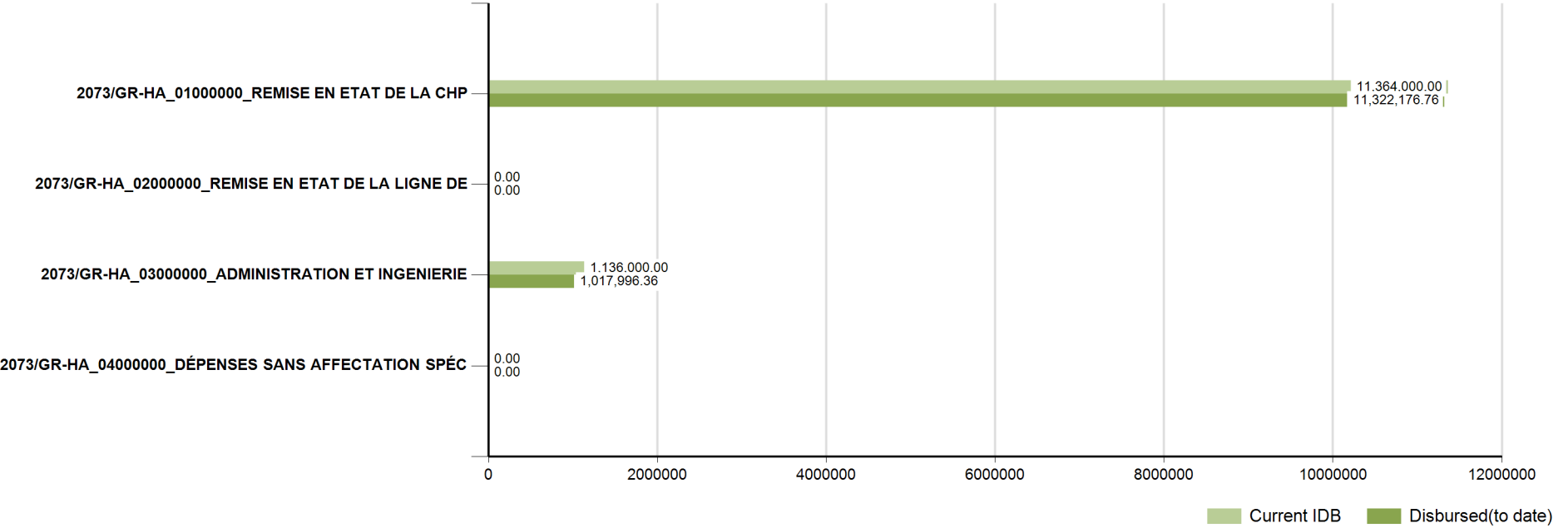
Environmental and Social Safeguards

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

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 | | 2.00 | 3.00 |
| | | | | | | | A | 0.00 | 0.00 | 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 | 36.00 | 54.00 |
| | | | | | | | A | 22.00 | 0.00 | 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 | 225.00 | 225.00 |
| | | | | | | | A | 163.00 | 0.00 | 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 |
| | | | | | | | A | 62.00 | 62.00 | 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 | 29,948,574.68 |
| | | A | 0.00 | 0.00 | A | 3,003,697.94 | 24,683,064.69 |
| Electrical equipment systems rehabilitated | Systems | P | | 0.00 | P | | 0.00 |
| | | P(a) | 2.00 | 2.00 | P(a) | 600,000.00 | 2,408,300.33 |
| | | A | 0.00 | 0.00 | A | 300,000.00 | 1,503,411.33 |
| Communication (SCADA) system rehabilitated | System | P | | 0.00 | P | | 0.00 |
| | | P(a) | 0.00 | 1.00 | P(a) | 600,000.00 | 1,007,000.00 |
| | | A | | 0.00 | A | 450,000.00 | 450,000.00 |
| Civil engineering rehabilitation works completed | Works | P | | 0.00 | P | | 0.00 |
| | | P(a) | 0.00 | 1.00 | P(a) | 200,000.00 | 800,000.00 |
| | | A | | 0.00 | A | 100,000.00 | 100,000.00 |
| Technical Study completed | Study | P | | 0.00 | P | | 0.00 |
| | | P(a) | 0.00 | 1.00 | P(a) | 500,000.00 | 2,710,263.88 |
| | | A | | 1.00 | A | 275,000.00 | 2,214,378.71 |
| 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 | \$104,562.60 | |
| | | | | A | \$7,135.28 | \$69,812.05 | |
| Environmental | | | | P | | | |
| | | | | P(a) | \$117,464.67 | \$176,197.00 | |
| | | | | A | \$0.00 | \$0.00 | |

| | | | |
|--|------|----------------|-----------------|
| PTU and PCU functioning properly | P | | \$45,008.00 |
| | P(a) | \$100,000.00 | \$554,324.51 |
| | A | \$98,774.46 | \$352,708.06 |
| Contingency fund expenditures | P | | \$0.00 |
| | P(a) | \$1,455,321.89 | \$6,790,000.00 |
| | A | | \$24,747.80 |
| Consulting and Supervisory Firm functions adequately | P | | \$265,567.00 |
| | P(a) | \$164,306.10 | \$2,690,202.00 |
| | A | | \$2,325,895.90 |
| Total Cost | | 2015 | Total Cost |
| | P | | \$11,447,150.00 |
| | P(a) | \$7,464,092.66 | \$44,270,515.02 |
| | A | \$4,234,607.68 | \$32,034,593.54 |

Changes to the Matrix

No information related to this operation.