



Operation Number: **HO-L1102**
 Year- PMR Cycle: **First period Jan-Jun 2015**
 Last Update: **1/27/2016**
 PMR Validation Stage: **Draft**

Chief of Operations validation date: **10/16/2015**
 Division Chief validation date: **11/06/2015**
 Country Representative validation date: **11/12/2015**

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

Operation Profile

Basic Data

Operation name:	Cañaveral-Río Lindo Hydropower Complex Rehabilitation and Uprating Project	Loan Number:	3435/BL-HO
Executing Agency (EA):	EMPRESA NACIONAL DE ENERGIA ELECTRICA		
Team Leader:	Jacome Montenegro, Carlos Alberto	Sector/Subsector:	ENERGY EFFICIENCY AND RENEWABLE ENERGY IN END USE
Operation Type:	Loan Operation	Overall Stage:	Disbursing (From eligibility until all the loans are closed).
Lending Instrument:	Investment Loan	Country:	HONDURAS
Borrower:	REPUBLICA DE HONDURAS	Convergence related Operation(s):	

Total Cost and Source

	Original IDB	Current Active IDB	Local Counterpart	Co-Financing/Country	Total operation cost - Original Estimate
HO-L1102	\$23,000,000.00	\$23,000,000.00	\$8,816,000.00	\$135,364,000.00	\$31,816,000.00

Available Funds (US\$)

	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Balance
HO-L1102	\$23,000,000.00	\$0.00	0.00%	\$23,000,000.00

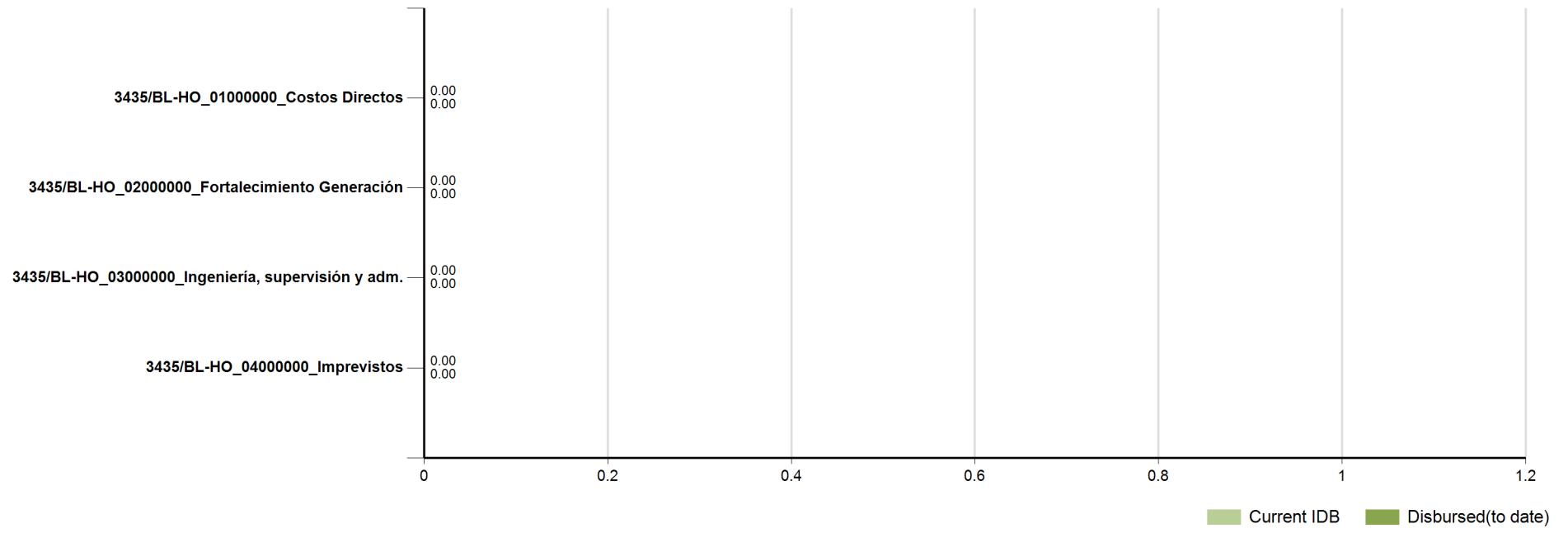
Environmental and Social Safeguards

Main Operation	
Impacts Category:	
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

Impact:	0 Mayor participación de las fuentes renovables en la matriz de generación eléctrica							
Observation:	Medio de verificación: Informe mensual de operación ENEE							
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
0.0 Generación proveniente de ER/Generación total		%	38.00	2014			P	53.80
							P(a)	53.80
							A	

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

Outcomes

Outcome:	0 Mejora en la confiabilidad en transmisión								
Observation:	Medio de verificación: Informe mensual de Fallas								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2015		EOP
0.0 Fallas por año – S/E Cañaveral		# de incidentes	1.00	2014			P	2.00	1.00
							P(a)	2.00	1.00
							A		
0.1 Duración promedio de fallas año S/E Cañaveral		horas	0.08	2014			P	2.30	0.05
							P(a)	2.30	0.05
							A		
0.2 Fallas por año – S/E Río Lindo		# de incidentes	8.00	2014			P	9.00	2.00
							P(a)	9.00	2.00
							A		
0.3 Duración promedio de fallas año S/E Río Lindo		horas	16.69	2014			P	17.50	4.00
							P(a)	17.50	4.00
							A		
Outcome:	1 Reducción de emisiones de Gases Efecto Invernadero (GEI) provenientes de la generación eléctrica								
Observation:	Medio de verificación: Informes remitidos por MiAmbiente								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2015		EOP
1.0 Emisiones anuales de CO2 provenientes de la generación de electricidad en Honduras		Toneladas equivalentes de CO2/año		2014			P		
							P(a)		
							A		
Outcome:	2 Transacciones de energía en el MER								
Observation:	Medio de verificación: Informes Ente Operador Regional EOR								

Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2015		EOP
2.0 Cantidad de energía transada en el MER		GWh	2,850.00	2014			P	2,993.00	3,819.00
							P(a)	2,993.00	3,819.00
							A		

Outcome: [3 Mejor capacidad de manejo empresarial de la generación eléctrica](#)

Observation: Medio de verificación: Informe mensual de operación ENEE

Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2015		EOP
3.0 Potencia de proyectos de energía renovable		MV	0.00	2014			P		100.00
							P(a)		100.00
							A		
3.1 Compra de energía térmica a través de procesos competitivos		MWh	0.00	2014			P		
							P(a)		
							A		
3.2 Compra de energía renovable a través de procesos competitivos		MWh	0.00	2014			P		
							P(a)		
							A		

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Outputs: Annual Physical and Financial Progress

COMPONENTE 1. Repotenciación y rehabilitación de generación y transmisión		Physical Progress		Financical Progress	
Outputs	Unit of Measure	EOP		EOP	
Subestación Planta Cañaverl rehabilitada	Subestación	P	1.00	P	10,696,929.55
		P(a)	1.00	P(a)	10,696,929.55
		A	0.00	A	0.00
Subestación Planta Río Lindo rehabilitada	Subestación	P	1.00	P	9,732,987.02
		P(a)	1.00	P(a)	9,732,987.02
		A	0.00	A	0.00
COMPONENTE 2. Fortalecimiento de la Empresa de Generación de la ENEE		Physical Progress		Financical Progress	
Outputs	Unit of Measure	EOP		EOP	
Gerencia General de Generación fortalecida	Gerencia	P	1.00	P	617,883.43
		P(a)	1.00	P(a)	617,883.43
		A	0.00	A	0.00
Unidad de la Central Hidroeléctrica Cañaverl - Río Lindo fortalecida	Unidad	P	1.00	P	1,067,200.00
		P(a)	1.00	P(a)	1,067,200.00
		A	0.00	A	0.00

Other Cost	Cost	
Auditoría Ambiental realizada	P	\$30,000.00
	P(a)	\$30,000.00
	A	\$0.00
Auditoría Externa realizada	P	\$150,000.00
	P(a)	\$150,000.00
	A	\$0.00
Evaluación Medio Término y Final realizadas	P	\$40,000.00
	P(a)	\$40,000.00
	A	\$0.00
Supervisión del Proyecto ENEE realizada	P	\$2,586,454.05
	P(a)	\$2,586,454.04
	A	\$0.00
Unidad Coordinadora fortalecida	P	\$665,000.00
	P(a)	\$665,000.00
	A	\$0.00
Total Cost	Total Cost	
	P	\$25,586,454.05
	P(a)	\$25,586,454.04
	A	\$0.00

Changes to the Matrix

No information related to this operation.

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.