

# PMR Operational Report

<b>Operation Number</b>	BO-L1043	<b>Chief of Operations Validation Date</b>	10/09/17
<b>Year- PMR Cycle</b>	First period Jan-Jun 2017	<b>Division Chief Validation Date</b>	
<b>Last Update</b>	10/09/17	<b>Country Representative Validation Date</b>	
<b>PMR Validation Stage</b>	Validated by Chief of Operations		

## Basic Data

### Operation Profile

<b>Operation Name</b>	Misicuni Renewable Energy Hydroelectric Project	<b>Loan Number</b>	2238/BL-BO
<b>Executing Agency</b>	EMPRESA NACIONAL DE ELECTRICIDAD	<b>Sector/Subsector</b>	EN-HID - ENERGY-NEW HYDROPOWER PROJECTS
<b>Team Leader</b>	BALLON LOPEZ,SERGIO ENRIQUE	<b>Overall Stage</b>	Fully Disbursed
<b>Operation Type</b>	Loan Operation	<b>Country</b>	BOLIVIA
<b>Lending Instrument</b>	Investment Loan	<b>Convergence related Operation(s)</b>	
<b>Borrower</b>	REPUBLICA DE BOLIVIA		

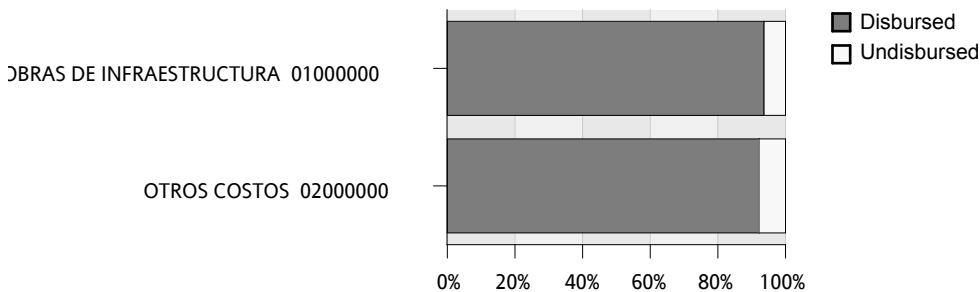
## Environmental and Social Safeguards

<b>Impacts Category</b>	A	<b>Was/Were the objective(s) of this operation reformulated?</b>	NO
<b>Safeguard Performance Rating</b>	Partially Satisfactory	<b>Date of approval</b>	
<b>Safeguard Performance Rating - Rationale</b>	Overall, excellent progress on construction and re-vegetation; project needs to pay more attention to maintaining a safe work environment including a general clean up of construction debris.		

## Financial Data

Item	Total Cost and Source					Available Funds (US\$)			
	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disb	Undisbursed Amount
BO-L1043	101,000,000	101,000,000	13,100,000	0	114,100,000	101,000,000	101,000,000	100.00%	0
<b>Aggregated</b>	<b>101,000,000</b>	<b>101,000,000</b>	<b>13,100,000</b>	<b>0</b>	<b>114,100,000</b>	<b>101,000,000</b>	<b>101,000,000</b>	<b>100.00%</b>	<b>0</b>

## Expense Categories by Loan Contract (cumulative values)



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. Please also note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

## PMR Operational Report

### RESULTS MATRIX

### IMPACTS

No information available for this section

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

**Outcome Nbr. 1:** Capacidad de generación de energía eléctrica incrementada.

**Observation:** Se medirán resultado a finales del 2017

Indicator		Unit of Measure	Baseline	Baseline Year		2015	2016	2017	EOP 2017
1.1	Generación eléctrica por año.	GWh/año	0.0	2009	P				217.20
					P(a)	0.00	217.20	217.20	217.20
					A		0.00	0.00	
Details									
Means of verification: Estadísticas anuales del Comité Nacional de Despacho de Carga (CNDG).									
Pro-Gender		No	Pro-Ethnicity		No				

**Outcome Nbr. 2:** Acceso a agua potable incrementado.

**Observation:** Se medirán resultado a finales del 2017

Indicator		Unit of Measure	Baseline	Baseline Year		2015	2016	2017	EOP 2017
2.1	Volumen regulado para riego y agua potable.	m³/día	12960.0	2009	P				264,600.00
					P(a)	0.00	264,600.00	264,600.00	264,600.00
					A		0.00	0.00	
Details									
Means of verification: Estadísticas de la Empresa Nacional de Electricidad y Misicuni.									
Pro-Gender		No	Pro-Ethnicity		No				

Indicator		Unit of Measure	Baseline	Baseline Year		2015	2016	2017	EOP 2017
2.2	Valor de las tierras beneficiadas.	US\$/m2	5.0	2009	P				10.00
					P(a)	0.00	10.00	10.00	10.00
					A		0.00	0.00	
Details									
Means of verification: Encuesta Empresa Nacional de Electricidad - ENDE en el mercado inmo-biliario									
Pro-Gender		No	Pro-Ethnicity		No				

## RESULTS MATRIX

### OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

#### Component Nbr. 1 Obras de infraestructura

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2017	EOP 2017	2017	EOP 2017
1.1	Casa de máquinas construida y equipada.	Casa de Maquinas	P		1		33,632,970
			P(a)	0.2	1	12,380,151.61	37,149,999.99
			A	0.15	0.95	4,326,321.17	29,096,169.55
1.2	Excavación y blindaje del tunel concluidos	metros	P		0		0
			P(a)	0	706	177,272.14	4,750,000
			A	0	706	0	4,572,727.86
1.3	Válvula de seguridad instalada y funcionando	Valvula de seguridad	P		0		0
			P(a)	0.25	1	928,734.16	5,499,999.99
			A	0.25	1	563,606.06	5,134,871.89
1.4	Chimenea de equilibrio concluida	metros	P		0		0
			P(a)	0	150	129,632.78	11,399,999.99
			A	0	150	0	11,270,367.21
1.5	Tubería forzada instalada	metros	P		0		0
			P(a)	740	4,938	7,295,187.29	39,545,999.69
			A	720	4,918	4,663,382.43	36,914,194.83
1.6	Embalse de compensación construido.	Embalse	P		1		7,142,960
			P(a)	0.05	1	2,345,796.07	11,499,501.5
			A	0.05	1	1,143,714.08	10,297,419.51
1.7	Subestación construida y puesta en marcha	subestacion	P		1		5,019,480
			P(a)	0.09	1	285,249.9	8,250,000
			A	0.09	1	838,304.5	8,803,054.6
1.8	Lineas de transmision construidas.	Electricity transmission and distribution lines (km)	P		18		6,969,010
			P(a)	0	13	0	2,621,589.24
			A	0	13	0	2,621,589.24
1.9	Caminos de acceso contruidos.	Kilómetro	P		15		1,756,750
			P(a)	0	17.25	0	772,909
			A	0	17.25	0	772,909

#### Other Cost

Acciones de mitigación de impactos ambientales y sociales realizadas.	P				3,200,000
	P(a)			48,860.99	1,690,852.17
	A			153,921.57	1,795,912.75
Administracion y gestion	P				3,699,996
	P(a)			113,372.46	2,259,624.8
	A			236,365.45	2,382,617.79
Auditorias	P				200,000
	P(a)			42,236.47	150,000
	A			33,102.74	140,866.27
Impuesto a las importaciones y gastos arancelarios	P				0
	P(a)			252,124.78	4,500,000
	A			59,685.86	4,307,561.08
Supervisión del Proyecto	P				0
	P(a)			1,345,617.21	7,460,000.14
	A			1,491,661.34	7,606,044.27

#### Total Cost

	Total Cost	P				102,000,006
		P(a)			25,344,235.86	137,550,476.51
		A			13,510,065.2	125,716,305.85

### CHANGES TO THE MATRIX

No information available for this section