

# PMR Operational Report

|                      |                             |  |          |
|----------------------|-----------------------------|--|----------|
| Operation Number     | PN-L1072                    | Chief of Operations Validation Date    | 05/02/19 |
| Year- PMR Cycle      | Second period Jan-Dec 2018  | Division Chief Validation Date         | 05/06/19 |
| Last Update          | 05/01/19                    | Country Representative Validation Date | 05/16/19 |
| PMR Validation Stage | Validated by Representative |  |          |

## Basic Data

### Operation Profile

|                    |                                     |                                  |   |
|--------------------|-------------------------------------|----------------------------------|---|
| Operation Name     | Innovation in School Infrastructure | Loan Number                      | 2734/OC-PN  |
| Executing Agency   | MINISTERIO DE EDUCACION             | Sector/Subsector                 | ED-PRI - EDUCATION-PRIMARY EDUCATION                              |
| Team Leader        | ALVAREZ MARINELLI, HORACIO          | Overall Stage                    | Disbursing (From eligibility until all the Operations are closed) |
| Operation Type     | Loan Operation                      | Country                          | PANAMA  |
| Lending Instrument | Investment Loan                     | Convergence related Operation(s) |   |
| Borrower           | REPUBLICA DE PANAMA                 |                                  |   |

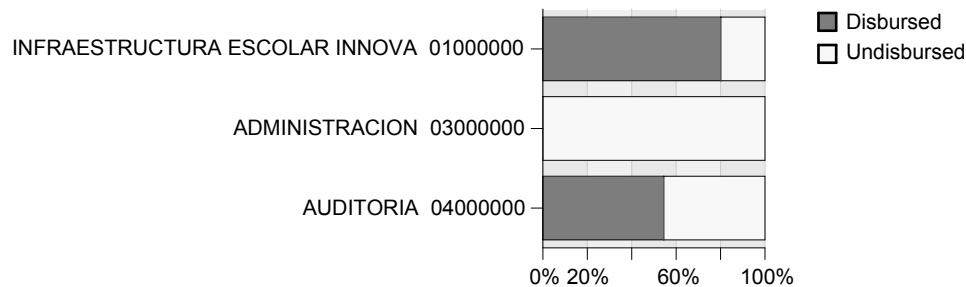
## Environmental and Social Safeguards

|  |   |   |    |
|--|---|---|----|
| Impacts Category                         | B | Was/Were the objective(s) of this operation reformulated? | NO |
| Safeguard Performance Rating             |   | Date of approval  |    |
| Safeguard Performance Rating - Rationale |   |   |    |

## 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 |
| PN-L1072   | 70,000,000            | 70,000,000  | 10,000,000        | 0                      | 80,000,000          | 70,000,000             | 65,172,559.06        | 93.10% | 4,827,440.94       |
| Aggregated | 70,000,000            | 70,000,000  | 10,000,000        | 0                      | 80,000,000          | 70,000,000             | 65,172,559.06        | 93.10% | 4,827,440.94       |

## Expense Categories by Loan Contract (cumulative values)



## PMR Operational Report

### RESULTS MATRIX

#### IMPACTS

**Impact Nbr. 1:** Incremento en la cobertura en la educación pre media en las regiones incluidas en el programa.

**Observation:** Dada la magnitud de la operación la contribución a las variaciones de los indicadores seleccionados a nivel regional es positiva pero de magnitud modesta para generar variaciones significativas.

| Indicator |   | Unit of Measure | Baseline | Baseline Year |      | 2017 | 2018 | EOP 2020 |
|-----------|---|-----------------|----------|---------------|------|------|------|----------|
| 1.1       | Tasa neta de cobertura en la educación pre media en la provincia de Panama. | Porcentaje      | 70.60    | 2010          | P    |      |      | 72.00    |
|           |   |                 |          |               | P(a) |      |      | 72.00    |
|           |   |                 |          |               | A    |      |      |          |

#### Details

**Means of verification:** Informe de MEDUCA, Estadística.

**Pro-Gender** No **Pro-Ethnicity** No

| Indicator |   | Unit of Measure | Baseline | Baseline Year |      | 2017 | 2018 | EOP 2020 |
|-----------|---|-----------------|----------|---------------|------|------|------|----------|
| 1.2       | Tasa neta de cobertura en la educación pre media en la Comarca Ngöbe-Bugle. | Porcentaje      | 42.30    | 2010          | P    |      |      | 44.00    |
|           |   |                 |          |               | P(a) |      |      | 44.00    |
|           |   |                 |          |               | A    |      |      |          |

#### Details

**Means of verification:** Informe de MEDUCA, Estadística.

**Pro-Gender** No **Pro-Ethnicity** No

| Indicator |   | Unit of Measure | Baseline | Baseline Year |      | 2017 | 2018 | EOP 2020 |
|-----------|---|-----------------|----------|---------------|------|------|------|----------|
| 1.3       | Tasa neta de cobertura en la educación pre media en la Comarca Guna Yala. | Porcentaje      | 43.70    | 2010          | P    |      |      | 45.00    |
|           |   |                 |          |               | P(a) |      |      | 45.00    |
|           |   |                 |          |               | A    |      |      |          |

#### Details

**Means of verification:** Informe de MEDUCA, Estadística.

**Pro-Gender** No **Pro-Ethnicity** No

## PMR Operational Report

### RESULTS MATRIX

#### IMPACTS

**Impact Nbr. 2:** Incremento en la retención escolar en pre media en las regiones donde se encuentran los centros educativos del programa.

**Observation:** La tasa de retención es el porcentaje de jóvenes matriculados en pre media que pasará al grado sucesivo.

| Indicator |  | Unit of Measure | Baseline | Baseline Year |      | 2017 | 2018 | EOP 2020 |
|-----------|--|-----------------|----------|---------------|------|------|------|----------|
| 2.1       | La tasa de retención escolar en pre media en la provincia de Panama. | Porcentaje      | 86.30    | 2010          | P    |      |      | 88.00    |
|           |  |                 |          |               | P(a) |      |      | 88.00    |
|           |  |                 |          |               | A    |      |      |          |

#### Details

**Means of verification:** Informe de MEDUCA-Estadística.

**Pro-Gender** No **Pro-Ethnicity** No

| Indicator |  | Unit of Measure | Baseline | Baseline Year |      | 2017 | 2018 | EOP 2020 |
|-----------|--|-----------------|----------|---------------|------|------|------|----------|
| 2.2       | La tasa de retención escolar en pre media en la Comarca Ngöbe-Bugle. | Porcentaje      | 90.90    | 2010          | P    |      |      | 91.50    |
|           |  |                 |          |               | P(a) |      |      | 91.50    |
|           |  |                 |          |               | A    |      |      |          |

#### Details

**Means of verification:** Informe de MEDUCA-Estadística.

**Pro-Gender** No **Pro-Ethnicity** No

| Indicator |  | Unit of Measure | Baseline | Baseline Year |      | 2017 | 2018 | EOP 2020 |
|-----------|--|-----------------|----------|---------------|------|------|------|----------|
| 2.3       | La tasa de retención escolar en pre media en la Comarca Guna Yala. | Porcentaje      | 82.00    | 2010          | P    |      |      | 83.50    |
|           |  |                 |          |               | P(a) |      |      | 83.50    |
|           |  |                 |          |               | A    |      |      |          |

#### Details

**Means of verification:** Informe de MEDUCA-Estadística.

**Pro-Gender** No **Pro-Ethnicity** No

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

**Outcome Nbr. 1:** Mejoras y ampliación de los espacios escolares con infraestructura innovadora.

**Observation:** Se verificara los resultados en base de los datos colectados a traves de la evalaucion del programa e informes de monitoreo entregados por MEDUCA.

| Indicator |                       | Unit of Measure | Baseline | Baseline Year |      | 2015      | 2016      | 2017      | 2018      | 2020 | EOP 2020  |
|-----------|-----------------------|-----------------|----------|---------------|------|-----------|-----------|-----------|-----------|------|-----------|
| 1.1       | Alumnos beneficiados. | Students (#)    | 0.00     | 2012          | P    | 36,000.00 | 2,000.00  |           |           |      | 38,000.00 |
|           |                       |                 |          |               | P(a) | 36,000.00 | 38,000.00 |           |           |      | 38,000.00 |
|           |                       |                 |          |               | A    | 0.00      |           | 38,970.00 | 38,970.00 |      | 38,970.00 |

#### Details

**Means of verification:** Informe de MEDUCA, Estadística.

| Pro-Gender | No              | Pro-Ethnicity |  |  |      | No |           |  |  |  |           |
|------------|-----------------|---------------|--|--|------|----|-----------|--|--|--|-----------|
|            | Afro-descendant |               |  |  | P    |    |           |  |  |  |           |
|            |                 |               |  |  | P(a) |    |           |  |  |  |           |
|            |                 |               |  |  | A    |    |           |  |  |  |           |
|            | Boys            |               |  |  | P    |    |           |  |  |  |           |
|            |                 |               |  |  | P(a) |    |           |  |  |  | 19,000.00 |
|            |                 |               |  |  | A    |    | 16,000.00 |  |  |  |           |
|            | Girls           |               |  |  | P    |    |           |  |  |  |           |
|            |                 |               |  |  | P(a) |    |           |  |  |  | 19,000.00 |
|            |                 |               |  |  | A    |    | 16,059.00 |  |  |  |           |
|            | Indigenous      |               |  |  | P    |    |           |  |  |  |           |
|            |                 |               |  |  | P(a) |    |           |  |  |  | 4,500.00  |
|            |                 |               |  |  | A    |    | 2,715.00  |  |  |  |           |
|            | Men             |               |  |  | P    |    |           |  |  |  |           |
|            |                 |               |  |  | P(a) |    |           |  |  |  |           |
|            |                 |               |  |  | A    |    |           |  |  |  |           |
|            | Post-secondary  |               |  |  | P    |    |           |  |  |  |           |
|            |                 |               |  |  | P(a) |    |           |  |  |  |           |
|            |                 |               |  |  | A    |    |           |  |  |  |           |
|            | Pre-primary     |               |  |  | P    |    |           |  |  |  |           |
|            |                 |               |  |  | P(a) |    |           |  |  |  | 3,000.00  |
|            |                 |               |  |  | A    |    | 3,297.00  |  |  |  |           |

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### RESULTS MATRIX

#### OUTCOMES

|  |           |  |  |  |      |  |           |  |  |  |           |
|--|-----------|--|--|--|------|--|-----------|--|--|--|-----------|
|  | Primary   |  |  |  | P    |  |           |  |  |  |           |
|  |           |  |  |  | P(a) |  |           |  |  |  | 25,000.00 |
|  |           |  |  |  | A    |  | 25,134.00 |  |  |  |           |
|  | Secondary |  |  |  | P    |  |           |  |  |  |           |
|  |           |  |  |  | P(a) |  |           |  |  |  | 10,000.00 |
|  |           |  |  |  | A    |  | 3,628.00  |  |  |  |           |
|  | Women     |  |  |  | P    |  |           |  |  |  |           |
|  |           |  |  |  | P(a) |  |           |  |  |  |           |
|  |           |  |  |  | A    |  |           |  |  |  |           |

| Indicator |  | Unit of Measure | Baseline | Baseline Year |      | 2015     | 2016      | 2017      | 2018      | 2020 | EOP 2020  |
|-----------|--|-----------------|----------|---------------|------|----------|-----------|-----------|-----------|------|-----------|
| 1.2       | Alumnos matriculados en las escuelas del proyecto. | Alumnos         | 0.00     | 2012          | P    | 8,000.00 | 2,000.00  |           |           |      | 10,000.00 |
|           |  |                 |          |               | P(a) | 8,000.00 | 2,000.00  |           |           |      | 10,000.00 |
|           |  |                 |          |               | A    | 0.00     | 32,059.00 | 38,970.00 | 38,970.00 |      | 38,970.00 |

#### Details

**Means of verification:** Informe de MEDUCA, Estadística.

|            |    |               |    |
|------------|----|---------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|------------|----|---------------|----|

| Indicator |                                       | Unit of Measure | Baseline | Baseline Year |      | 2015  | 2016  | 2017 | 2018  | 2020 | EOP 2020 |
|-----------|---------------------------------------|-----------------|----------|---------------|------|-------|-------|------|-------|------|----------|
| 1.3       | Aulas de apoyo al aprendizaje en uso. | Aulas           | 0.00     | 2012          | P    | 45.00 | 47.00 |      |       |      | 47.00    |
|           |                                       |                 |          |               | P(a) | 45.00 | 47.00 |      |       |      | 47.00    |
|           |                                       |                 |          |               | A    | 0.00  | 45.00 |      | 45.00 |      | 45.00    |

#### Details

**Means of verification:** Registro de asistencia y uso del aula de apoyo.

**Observations:** El aula se considera ¿en uso¿ cuando los alumnos y docentes utilizan el aula en los días escolares para la mejora de los aprendizajes. El administrador de cada aula de apoyo va a tener un registro de asistencia y uso del aula. El administrador de cada au

|            |    |               |    |
|------------|----|---------------|----|
| Pro-Gender | No | Pro-Ethnicity | No |
|------------|----|---------------|----|

**Outcome Nbr. 2:** Creación de un ambiente escolar que fomente el uso de prácticas pedagógicas centradas en los estudiantes y participativas utilizando espacios escolares innovadores.

**Observation:** Se verificara los resultados en base de la evaluacion del programa.

| Indicator |  | Unit of Measure | Baseline | Baseline Year |   | 2015  | 2016 | 2017 | 2018 | 2020 | EOP 2020 |
|-----------|--|-----------------|----------|---------------|---|-------|------|------|------|------|----------|
| 2.1       | Escuelas utilizando el currículo basado en | Escuelas        | 0.00     | 2012          | P | 45.00 | 2.00 |      |      |      | 47.00    |

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

|  |              |          |      |               |      |       |      |  |      |  |       |
|--|--------------|----------|------|---------------|------|-------|------|--|------|--|-------|
| 2.1  | competencias | Escuelas | 0.00 | 2012          | P(a) | 45.00 | 2.00 |  |      |  | 47.00 |
|  |              |          |      |               | A    | 45.00 | 0.00 |  | 0.00 |  |       |
| Details  |              |          |      |               |      |       |      |  |      |  |       |
| Means of verification: Informe de MEDUCA, Currículo. |              |          |      |               |      |       |      |  |      |  |       |
| Pro-Gender   |              | No       |      | Pro-Ethnicity |      | No    |      |  |      |  |       |

## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

## Component Nbr. 1 Componente 1: Infraestructura escolar innovadora

|     | Output  | Unit of Measure |      | PHYSICAL PROGRESS |          | FINANCIAL PROGRESS |               |
|-----|---|-----------------|------|-------------------|----------|--------------------|---------------|
|     |   |                 |      | 2018              | EOP 2020 | 2018               | EOP 2020      |
| 1.1 | Escuelas modelo construidas.  | Escuelas        | P    |                   | 2        |                    | 26,200,000    |
|     |   |                 | P(a) | 0.2               | 2        | 7,200,541          | 33,848,357    |
|     |   |                 | A    | 0                 | 1.6      | 0                  | 20,334,217    |
| 1.2 | Colegios ampliados y rehabilitados.   | Colegios        | P    |                   | 20       |                    | 37,800,000    |
|     |   |                 | P(a) | 2                 | 21       | 5,685,000          | 33,566,591.57 |
|     |   |                 | A    | 0                 | 19       | 751,548.57         | 31,511,031.57 |
| 1.3 | Escuelas con un aula de apoyo construida para atender las diferentes necesidades de aprendizaje . | Aulas           | P    |                   | 47       |                    | 3,200,000     |
|     |   |                 | P(a) | 0                 | 44       | 0                  | 3,742,855     |
|     |   |                 | A    | 0                 | 44       | 0                  | 3,742,855     |

## Component Nbr. 2 Componente 2: Actualización y validación curricular y de gestión escolar

|     | Output  | Unit of Measure |      | PHYSICAL PROGRESS |           | FINANCIAL PROGRESS |              |
|-----|---|-----------------|------|-------------------|-----------|--------------------|--------------|
|     |   |                 |      | 2018              | EOP 2020  | 2018               | EOP 2020     |
| 2.1 | Guías curriculares revisadas y/o reformuladas de los niveles inicial, primario y medio.                           | Guías           | P    |                   | 25        |                    | 1,220,200    |
|     |   |                 | P(a) | 0                 | 24        | 0                  | 72,417       |
|     |   |                 | A    | 0                 | 24        | 0                  | 72,417       |
| 2.2 | Guías curriculares revisadas y/o reformuladas de los niveles inicial, primario y medio impresas                   | copias impresas | P    |                   | 75,000    |                    | 269,500      |
|     |   |                 | P(a) | 0                 | 35,500    | 0                  | 148,500      |
|     |   |                 | A    | 0                 | 35,500    | 0                  | 148,500      |
| 2.3 | Cuadernos de actividades para estudiantes de Matemática, Español , Inglés, Ciencias Naturales y Valores diseñados | Cuadernos       | P    |                   | 61        |                    | 193,000      |
|     |   |                 | P(a) | 0                 | 0         | 0                  | 0            |
|     |   |                 | A    | 0                 | 0         | 0                  | 0            |
| 2.4 | Cuadernos de actividades para estudiantes de Matemática, Español , Inglés, Ciencias Naturales y Valores impresos  | copias impresas | P    |                   | 1,220,000 |                    | 1,830,000    |
|     |   |                 | P(a) | 0                 | 0         | 0                  | 0            |
|     |   |                 | A    | 0                 | 0         | 0                  | 0            |
| 2.5 | Educadores capacitados para formar en las nuevas propuestas curriculares.   | Teachers (#)    | P    |                   | 574       |                    | 3,305,040    |
|     |   |                 | P(a) | 0                 | 260       | 0                  | 49,867.5     |
|     |   |                 | A    | 0                 | 260       | 0                  | 49,867.5     |
| 2.6 | Docentes capacitados en las nuevas propuestas curriculares y el uso de materiales relacionados                    | Teachers (#)    | P    |                   | 0         |                    | 0            |
|     |   |                 | P(a) | 0                 | 30,430    | 0                  | 3,347,420    |
|     |   |                 | A    | 0                 | 30,430    | 0                  | 3,347,420    |
| 2.7 | Sets de equipamiento didáctico adquirido para uso de docentes y estudiantes.                                      | Sets            | P    |                   | 110       |                    | 3,182,260    |
|     |   |                 | P(a) | 50                | 23        | 1,500,000          | 3,306,667.93 |
|     |   |                 | A    | 21                | 21        | 2,255,590          | 2,255,590    |

## Component Nbr. 3 Categoría 3: Administration

|    | Output | Unit of Measure |      | PHYSICAL PROGRESS | FINANCIAL PROGRESS |
|----|--------|-----------------|------|-------------------|--------------------|
|    |        |                 |      | EOP               | EOP                |
| 3. |        |                 | P    |                   |                    |
|    |        |                 | P(a) |                   |                    |
|    |        |                 | A    |                   |                    |

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## RESULTS MATRIX

### OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 4 Categoría 4: Auditoria

|    | Output | Unit of Measure |      | PHYSICAL PROGRESS | FINANCIAL PROGRESS |
|----|--------|-----------------|------|-------------------|--------------------|
|    |        |                 |      | EOP               | EOP                |
| 4. |        |                 | P    |                   |                    |
|    |        |                 | P(a) |                   |                    |
|    |        |                 | A    |                   |                    |

Component Nbr. 5 Categoría 5: Monitoreo

|    | Output | Unit of Measure |      | PHYSICAL PROGRESS | FINANCIAL PROGRESS |
|----|--------|-----------------|------|-------------------|--------------------|
|    |        |                 |      | EOP               | EOP                |
| 5. |        |                 | P    |                   |                    |
|    |        |                 | P(a) |                   |                    |
|    |        |                 | A    |                   |                    |

Component Nbr. 6 Categoría 6: Imprevisto

|    | Output | Unit of Measure |      | PHYSICAL PROGRESS | FINANCIAL PROGRESS |
|----|--------|-----------------|------|-------------------|--------------------|
|    |        |                 |      | EOP               | EOP                |
| 6. |        |                 | P    |                   |                    |
|    |        |                 | P(a) |                   |                    |
|    |        |                 | A    |                   |                    |

### Other Cost

|  |                                   |      |  |  |           |           |
|--|-----------------------------------|------|--|--|-----------|-----------|
|  | Gastos administrativos            | P    |  |  |           | 500,000   |
|  |                                   | P(a) |  |  | 200,000   | 573,502   |
|  |                                   | A    |  |  | 33,585    | 373,502   |
|  | Desarrollo de Auditorías Anuales. | P    |  |  |           | 200,000   |
|  |                                   | P(a) |  |  | 26,750    | 148,812   |
|  |                                   | A    |  |  | 0         | 95,312    |
|  | Monitoreo.                        | P    |  |  |           | 75,000    |
|  |                                   | P(a) |  |  | 0         | 195,010   |
|  |                                   | A    |  |  | 99,881    | 145,010   |
|  | Imprevistos.                      | P    |  |  |           | 2,025,000 |
|  |                                   | P(a) |  |  | 1,000,000 | 1,000,000 |
|  |                                   | A    |  |  | 0         | 0         |

### Total Cost

|  |            |      |  |  |              |               |
|--|------------|------|--|--|--------------|---------------|
|  | Total Cost | P    |  |  |              | 80,000,000    |
|  |            | P(a) |  |  | 15,612,291   | 80,000,000    |
|  |            | A    |  |  | 3,140,604.57 | 62,075,722.07 |



# PMR Operational Report

## CHANGES TO THE MATRIX

| Section | Name   | Reasons   | Type of Change | Subtype                     | Modified By | Entered in the System |
|---------|--|---|----------------|-----------------------------|-------------|-----------------------|
| Output  | Colegios ampliados y rehabilitados.  | Este producto quedo pendiente de terminación de 2 colegios por ampliación, la empresa contratada fue liquidada legalmente, el MEDUCA procedera a terminar los trabajos  | Modify Output  | Modify Financial P(a) value | MENFISM     | 03/12/2019            |
|         |  |   |                |                             |             | 03/12/2019            |
|         | Escuelas modelo construidas.   | La Escuela de Cartí: se realizo in proceso de contratación por invitación pero no se presentaron empresas en el mes de diciembre 2018, se procedió a revisar los procesos los costos y alcance, se inició una licitación en el 1er trimestre de 2019. La Escuela el Hijo del capintero el contratista se salio de la obra la empresa aseguradora envi una lista al MEDUCA de empresas contratistas para terminación de la obra, actualmente se realiza el proceso legal por parte del MEDUCA para el refrendo del contrato se espera que reinicie la obra en el mes de junio. | Modify Output  | Modify Financial P(a) value | MENFISM     | 03/12/2019            |
|         |  |   |                |                             |             | 03/12/2019            |
|         | Sets de equipamiento didáctico adquirido para uso de docentes y estudiantes. | El MEDUCA inicio el proceso de compra de los equipos.   | Modify Output  | Modify Financial P(a) value | HORACIOA    | 05/01/2019            |
|         |  |   |                |                             | MENFISM     | 03/12/2019            |
|         |  |   |                | Modify Physical P(a) value  | MENFISM     | 03/12/2019            |

## PMR Operational Report

### IMPLEMENTATION STATUS AND LEARNING

| Lesson Learned - Categories |
|-----------------------------|
|                             |