



## Zambia - Mining and Environmental Remediation and Improvement Project (P154683)

EASTERN AND SOUTHERN AFRICA | Zambia | Environment, Natural Resources & the Blue Economy Global Practice | IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 12 | ARCHIVED on 31-Jan-2023 | ISR54804 |

Implementing Agencies: Ministry of Finance, Republic of Zambia, Ministry of Mines and Mineral Development

**Key Dates****Key Project Dates**

Bank Approval Date: 16-Dec-2016

Effectiveness Date: 30-Nov-2017

Planned Mid Term Review Date: --

Actual Mid-Term Review Date:

Original Closing Date: 30-Jun-2022

Revised Closing Date: 28-Jun-2024

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

To reduce environmental health risks to the local population in critically polluted mining areas in Chingola, Kabwe, Kitwe and Mufulira municipalities, including lead exposure in Kabwe municipality

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

**Components Table**

Name

Remediation of Contaminated Hotspots and Improvement of Environmental Infrastructure:(Cost \$27.05 M)

Enhancing Institutional capacity to strengthen environmental governance and compliance:(Cost \$11.50 M)

Reducing environmental health risks through localized interventions:(Cost \$18.50 M)

Project Management, Monitoring and Evaluation:(Cost \$6.00 M)

**Overall Ratings**

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Unsatisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Unsatisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

**Implementation Status and Key Decisions**

The Ministry of Mines (MMMD) has taken fast action in addressing the challenges of project leadership and under the leadership of the newly assigned National Project Coordinator, the project has made substantial progress since in June 2022. The restructuring of the project was completed in July, which included cancellation of the Kabwe landfill activity amounting to US\$ 2.55 million, simplification of disbursement categories and a 24 month extension of project life. Three large infrastructural works have been commissioned and consultancies for engineering works and supervision contracts have been signed or in final stages of clearance at Ministries of Finance and Justice. Civil works at the Kabwe Canal have started, and the project team, supervision consultants and the Kabwe Municipal Council have been advised to strengthen supervision and monitoring to ensure safety of nearby residents and children. Works at TD10 will commence on the upper reaches of the tailings dam within the next few weeks, while the compensation for 23 croppers is being implemented in accordance with the Abbreviated Resettlement Action Plan. Funds for compensation are to be allocated by MMMD urgently so that the payments can be made before buttress works begin at the lower section of the



tailings dam. The rollout of in-situ remediation in hotspot areas in Kabwe has been delayed and the supervision engineer and works contractor are expected to be contracted by April 2022.

The livelihoods component continues to make good progress, with 11 grant proposals being implemented and a robust pipeline of 300 proposals awaiting evaluation. The education and awareness activities are also ongoing satisfactorily and the good collaboration with the District Education Board ensures the long-term sustainability of this program. The revised health rollout plan has been finalized and can be operationalized by May 2022, once the new lead testing machine is commissioned and training has been completed. Procurement of the new ICP-MS machine is underway, and is expected to be delivered by April, after the clearances are received and contract is signed. There has been a delay in the start of civil works for the ZEMA laboratory at Ndola, resulting from a budget overrun in the 5 months between call for bids and contract signing, due to significant exchange rate fluctuations. The overrun is to met from reallocation within the ZEMA component and from ZEMA agency contribution. The ongoing challenges in the national procurement clearance processes have contributed to delays in contracting of consultancies and the MMMD and project have been requested to improve coordination with the Ministerial Procurement Committee to improve efficiency and reduce systemic delays..

The ratings for *Implementation Progress* and *Progress towards achievement of PDO* are upgraded to Moderately Satisfactory (MS) given the current pace of progress in activities and it is likely that the project will meet its objectives within the remaining project life until June 2024 with strict adherence to established timelines

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Moderate	☐ Moderate	☐ Moderate
Macroeconomic	☐ High	☐ High	☐ High
Sector Strategies and Policies	☐ Substantial	☐ Substantial	☐ Moderate
Technical Design of Project or Program	☐ Moderate	☐ Moderate	☐ Moderate
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Substantial	☐ Substantial
Fiduciary	☐ Moderate	☐ Moderate	☐ Moderate
Environment and Social	☐ Substantial	☐ Substantial	☐ Substantial
Stakeholders	☐ Substantial	☐ Substantial	☐ Substantial
Other	--	--	--
Overall	☐ Substantial	☐ Substantial	☐ Substantial

Results

PDO Indicators by Objectives / Outcomes

To reduce environmental health risks to the local population in critically polluted mining areas

► Direct project beneficiaries (number), of which female (%) (Number, Custom)

Baseline	Actual (Previous)	Actual (Current)	End Target
----------	-------------------	------------------	------------



Value	0.00	400.00	400.00	13,000.00
Date	16-Jan-2017	07-Jun-2022	07-Jun-2022	31-Mar-2022
▶ Share of population in the project areas that are aware of project investments and benefits - □□ (disaggregated by vulnerable people and gender) (Percentage) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	40.00	40.00	70.00
Date	16-Jan-2017	07-Jun-2022	07-Jun-2022	31-Mar-2022
▶ People in Kabwe reported to have more than 50% reduction in Blood Lead levels (BLL) (disaggregated by age below 15) (Number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,000.00	1,000.00	4,000.00
Date	16-Jan-2017	30-Nov-2020	30-Nov-2020	31-Mar-2022
▶ Share of population living within 500 m from lead contamination hotspots in project area (Percentage) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	100.00	95.00	95.00	30.00
Date	16-Jan-2017	07-Jun-2022	07-Jun-2022	31-Mar-2022
Comments:	Project team has had extensive discussions with the private mining company in Kabwe, which has resulted in measures being taken to reduce outflow of lead pollution from the mine; these include construction and upgrading of the drainage channel around the mine. Additionally, the project has undertaken emergency works for Tailing Dam #10, by strengthening the buttresses which has reduced the outflow of tailings and seepage into the surrounding environment			

**Intermediate Results Indicators by Components**

Reducing environmental health risks through localized interventions				
▶ School children in Kabwe targeted for awareness on prevention of exposure to Lead contamination (Number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	800.00	800.00	30,000.00
Date	16-Jan-2017	30-Nov-2020	30-Nov-2020	31-Mar-2022
▶ Beneficiaries of livelihoods sub-projects (of which women)(Number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	556.00	556.00	3,000.00
Date	16-Jan-2017	07-Jun-2022	07-Jun-2022	31-Mar-2022
<b>► People with high Blood Lead Levels treated under the project (Number) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,574.00	1,574.00	7,000.00
Date	16-Jan-2017	07-Jun-2022	07-Jun-2022	31-Mar-2022
Comments:	Testing and treatment of children has commenced in Kabwe health centers			
<b>► Share of solid waste collected and safely disposed of in Kabwe (Percentage) (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	0.00
Date	16-Jan-2017	07-Jun-2022	07-Jun-2022	31-Mar-2022

<b>Enhancing Institutional capacity to strengthen environmental governance and compliance</b>				
<b>► Coverage of project by ZEMA monitoring of water, soil and air quality of project area (%) (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	16-Jan-2017	07-Jun-2022	07-Jun-2022	31-Mar-2022
<b>► Share of mines in project area covered by annual safety inspection by honorary inspectors (Percentage) (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	45.00
Date	16-Jan-2017	07-Jun-2022	07-Jun-2022	31-Mar-2022
Comments:	Neither ZEMA nor MSD has started the hiring process of Honorary Inspectors.			
<b>► Share of mineral rights holders (excluding artisanal mineral rights holders) complying with the Environmental Protection Fund. (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	20.00	0.00	0.00	30.00
Date	16-Jan-2017	07-Jun-2022	07-Jun-2022	31-Mar-2022



Remediation of Contaminated Hotspots and Improvement of Environmental Infrastructure

► Contaminated land managed or dump sites closed under the project (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	10.00
Date	16-Jan-2017	07-Jun-2022	07-Jun-2022	31-Mar-2022
Comments:	Insitu remediation of the Mines Primary School and some households in Kabwe has commenced.			

Performance-Based Conditions

Data on Financial Performance

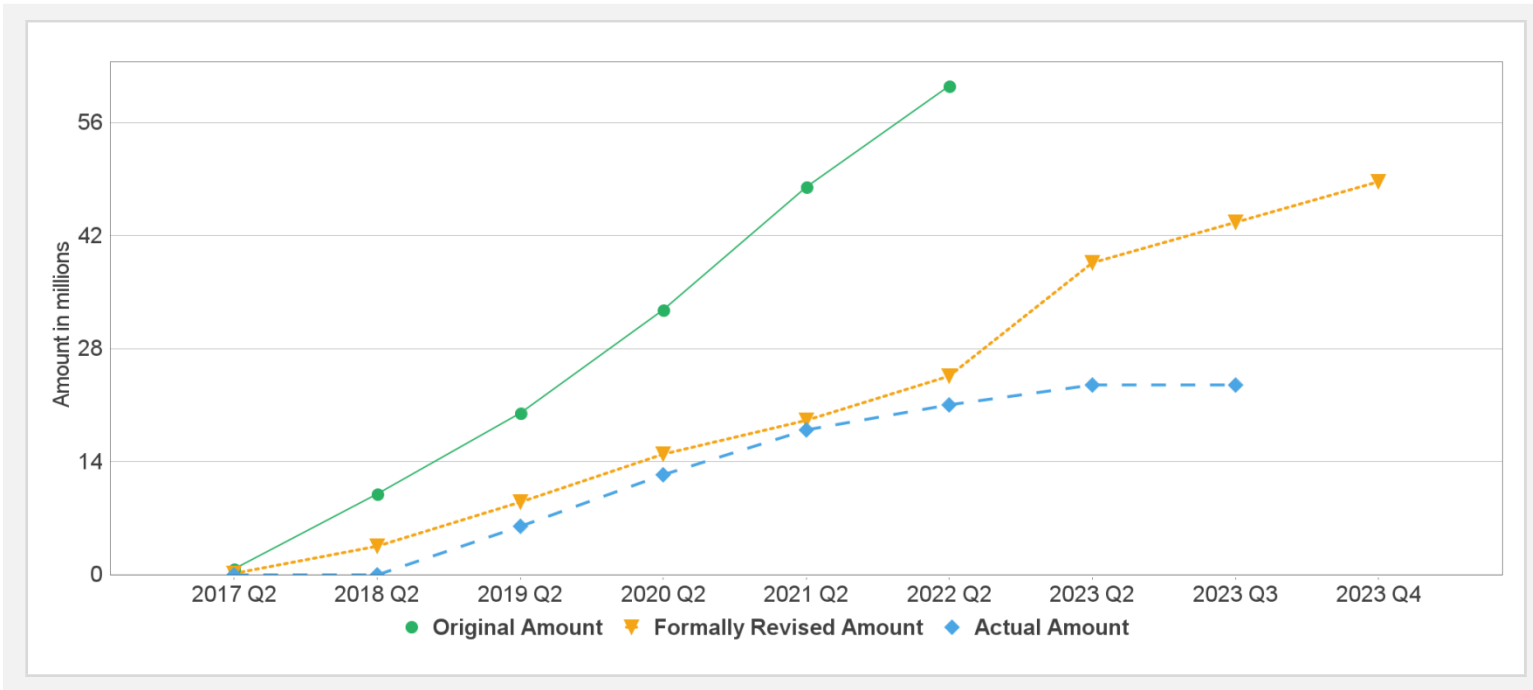
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P154683	IDA-59370	Effective	USD	65.60	62.99	2.61	23.48	38.98	38%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P154683	IDA-59370	Effective	16-Dec-2016	29-May-2017	30-Nov-2017	30-Jun-2022	28-Jun-2024

Cumulative Disbursements



### Restructuring History

Level 2 Approved on 12-Apr-2018 ,Level 2 Approved on 27-Jun-2022

### Related Project(s)

There are no related projects.