



## Metro Manila Flood Management Project (P153814)

EAST ASIA AND PACIFIC | Philippines | Water Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2018 | Seq No: 14 | ARCHIVED on 27-Mar-2024 | ISR60175 |

Implementing Agencies: Department of Finance, Department of Public Works and Highways, Metro Manila Development Authority

### Key Dates

#### Key Project Dates

Bank Approval Date: 28-Sep-2017

Effectiveness Date: 15-Mar-2018

Planned Mid Term Review Date: 03-Jan-2022

Actual Mid-Term Review Date: 20-Jan-2022

Original Closing Date: 30-Nov-2024

Revised Closing Date: 30-Nov-2024

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to improve flood management in selected areas of Metro Manila.

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

No

### Components Table

Name

1. Modernizing Drainage Areas:(Cost \$375.20 M)
2. Minimizing Solid Waste in Waterways:(Cost \$48.00 M)
3. Participatory Housing and Resettlement:(Cost \$55.75 M)
4. Project Management and Coordination:(Cost \$20.00 M)

### Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<span style="color: orange;">□</span> Moderately Satisfactory	<span style="color: orange;">□</span> Moderately Satisfactory
Overall Implementation Progress (IP)	<span style="color: orange;">□</span> Moderately Satisfactory	<span style="color: orange;">□</span> Moderately Satisfactory
Overall Risk Rating	<span style="color: orange;">□</span> Substantial	<span style="color: orange;">□</span> Substantial

### Implementation Status and Key Decisions

The project has made continuous progress. Out of 25 pumping stations (PS) for rehabilitation and upgrading, five PS have been completed; most PS rehabilitation are under construction and the rest have been procured. Component two also made good progress with solid waste management activities being consolidated at facility and community levels to minimize waste accumulating into the PS. Component three has also moved well with the completion of the informal settler families in Vitas, the ratings of component 3 and safeguards were upgraded to MS.



**Risks**

**Systematic Operations Risk-rating Tool**

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

**Results**

**PDO Indicators by Objectives / Outcomes**

To improve flood management in selected areas of Metro Manila.				
▶ Flood-prone areas that are free of water within 24 hours after a major rainfall event. (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	146.70	628.00	4,900.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
▶ Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	47,738.00	299,000.00	1,700,000.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
Comments:	Five pumping stations completed.			
☐ Direct FEMALE project beneficiaries (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	23,869.00	149,500.00	850,000.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
<b>► Solid wastes collected at targeted existing pumping stations. (Cubic Meter(m3), Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	17,000.00	6,224.00	4,948.00	8,500.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
<b>► Households successfully resettled from areas where they would obstruct proper O&amp;M of the drainage systems. (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	224.00	287.00	2,500.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
Comments:	The Vitas resettlement is completed.			
<b>► Beneficiaries satisfied with reduced vulnerability to flooding in Project areas. (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
Comments:	Interviews with beneficiaries of Balut PS upgrading showed positive feedback. To provide a better measurement of beneficiary satisfaction, a satisfaction survey will be conducted before and after completion of a PS and a significant rainfall event.			

### Intermediate Results Indicators by Components

<b>1. Modernizing Drainage Areas</b>				
<b>► Existing pumping stations rehabilitated. (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	5.00	36.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
Comments:	Balut PS and Labasan PS, Vitas PS are completed. Paco, Santa Clara, all completed by April.			
<b>► New pumping stations constructed and operational. (Number, Custom)</b>				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
Comments:	Four new pumping stations will be built. Technical work is ongoing for the preparation of bid documents.			
<b>► Drainage waterways cleaned. (Kilometers, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	1.00	104.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
Comments:	Six contracts have been awarded for dredging of esteros			

## 2. Minimizing Solid Waste in Waterways

### ► Barangays with improved solid waste management programs in place. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	41.00	85.00	200.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024

### ► Barangays receiving results-based financing (RBF) schemes. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024

Comments: The indicator was proposed to be canceled during restructuring. However, the best performing barangays will start receiving the incentives this year.

## 3. Participatory Housing and Resettlement

### ► Community consultations undertaken. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3.00	17.00	17.00	30.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024

Comments: Numerous consultations have been undertaken in Vitas and in Malabon.



<b>► Home-owners' Associations (HOA) or Housing Cooperatives receiving TA for community organizing, mapping, and surveying. (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	7.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
<b>► In-city resettlement sites developed and ready for occupation. (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	7.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
Comments:	Only the Malabon pumping stations will have in-city resettlement. This is the Panghulo resettlement site developed by the National Housing Authority. The rest will be through housing developments of the National Housing Authority outside of Metro Manila.			

#### 4. Project Management and Coordination

<b>► Grievances registered related to delivery of project benefits that are actually addressed (core). (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	90.00	90.00	90.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024
<b>► Semi-annual progress reports submitted on time. (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7.00	10.00	13.00
Date	01-Jul-2017	31-Jul-2023	31-Jul-2023	30-Nov-2024

### Performance-Based Conditions

#### Data on Financial Performance

##### Disbursements (by loan)

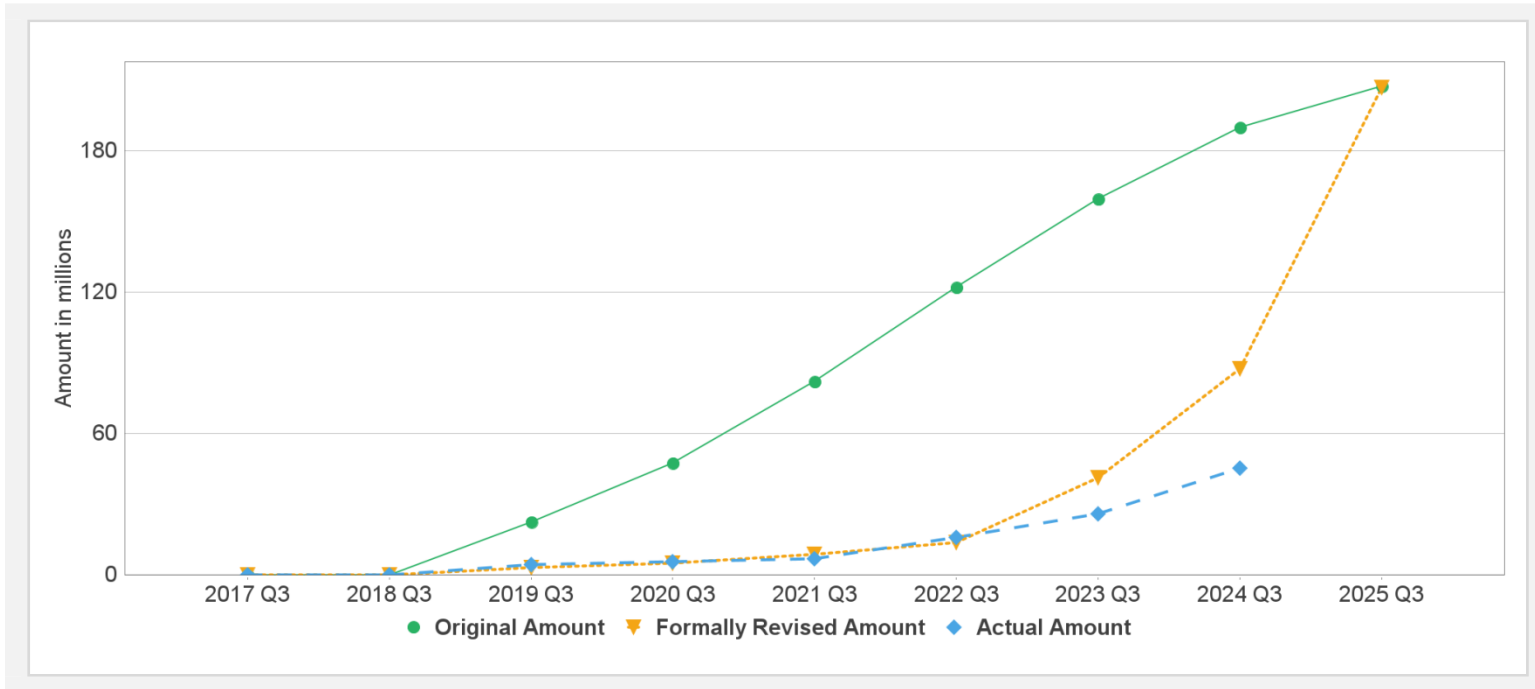
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P153814	IBRD-87840	Effective	USD	207.60	207.60	0.00	45.79	161.82	22%



**Key Dates (by loan)**

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P153814	IBRD-87840	Effective	28-Sep-2017	19-Dec-2017	15-Mar-2018	30-Nov-2024	30-Nov-2024

**Cumulative Disbursements**



**Restructuring History**

There has been no restructuring to date.

**Related Project(s)**

There are no related projects.