



## Metro Manila Flood Management Project (P153814)

EAST ASIA AND PACIFIC | Philippines | Water Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2018 | Seq No: 7 | ARCHIVED on 19-Nov-2020 | ISR44185 |

Implementing Agencies: Department of Public Works and Highways, Department of Finance, 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: 01-Mar-2021

Actual Mid-Term Review Date:

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  | <input type="checkbox"/> Moderately Satisfactory   | <input type="checkbox"/> Moderately Satisfactory   |
| Overall Implementation Progress (IP) | <input type="checkbox"/> Moderately Unsatisfactory | <input type="checkbox"/> Moderately Unsatisfactory |
| Overall Risk Rating                  | <input type="checkbox"/> Substantial               | <input type="checkbox"/> Substantial               |

### Implementation Status and Key Decisions

The modernization of one pumping station, Balut, progressed well. The last new pump is being installed and the works will be substantially completed by the end of December 2020. Procurement for the modernization of Vitas is ongoing, using the innovative method of Design, Supply, and Install. This procurement will be followed shortly for other pumping station modernization that will include any lessons from the Vitas procurement. A number of activities related to solid waste management are ongoing, including cleaning of waste from pumping stations and increased efforts to recycle waste, including plastics. All these activities are geared towards achieving the project development objective. Despite these positive actions, disbursements remain very low, which justifies a moderate unsatisfactory rating for implementation progress.



## 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      | □ Substantial   | □ Substantial  |
| Other  | --                 | □ Substantial   | □ Substantial  |
| 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        | 0.00              | 0.00             | 4,900.00    |
| Date  | 01-Jul-2017 | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |

► Direct project beneficiaries (Number, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target   |
|-------|-------------|-------------------|------------------|--------------|
| Value | 0.00        | 0.00              | 0.00             | 1,700,000.00 |
| Date  | 01-Jul-2017 | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024  |

□ Direct FEMALE project beneficiaries (Number, Custom Breakdown)

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



|  |             |                   |                  |             |
|--|-------------|-------------------|------------------|-------------|
| Value  | 0.00        | 0.00              | 0.00             | 850,000.00  |
| Date   | 01-Jul-2017 | 30-Apr-2020       | 31-Oct-2020      | 31-May-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   | 17,000.00         | 17,000.00        | 8,500.00    |
| Date   | 01-Jul-2017 | 30-Apr-2020       | 31-Oct-2020      | 31-May-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        | 0.00              | 0.00             | 2,500.00    |
| Date   | 01-Jul-2017 | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |
| <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 | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |

### 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        | 0.00              | 0.00             | 36.00       |
| Date  | 01-Jul-2017 | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |
| <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 | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |



| ► Drainage waterways cleaned. (Kilometers, Custom) |             |                   |                  |             |
|--|-------------|-------------------|------------------|-------------|
|  | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
| Value  | 0.00        | 0.00              | 0.00             | 104.00      |
| Date   | 01-Jul-2017 | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |

| 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        | 0.00              | 0.00             | 200.00      |
| Date   | 01-Jul-2017 | 30-Apr-2020       | 31-Oct-2020      | 31-May-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 | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |

| 3. Participatory Housing and Resettlement   |   |                   |                  |             |
|---|---|-------------------|------------------|-------------|
| ► Community consultations undertaken. (Number, Custom)  |   |                   |                  |             |
|   | Baseline  | Actual (Previous) | Actual (Current) | End Target  |
| Value   | 3.00  | 8.00              | 8.00             | 30.00       |
| Date  | 01-Jul-2017                                     | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |
| Comments:   | An additional consultation took place at Vitas. |                   |                  |             |
| ► Home-owners' Associations (HOA) or Housing Cooperatives receiving TA for community organizing, mapping, and surveying. (Number, Custom) |   |                   |                  |             |
|   | Baseline  | Actual (Previous) | Actual (Current) | End Target  |
| Value   | 0.00  | 0.00              | 0.00             | 7.00        |
| Date  | 01-Jul-2017                                     | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |
| ► In-city resettlement sites developed and ready for occupation. (Number, Custom)   |   |                   |                  |             |
|   | Baseline  | Actual (Previous) | Actual (Current) | End Target  |



|           |  |             |             |             |
|-----------|--|-------------|-------------|-------------|
| Value     | 0.00   | 0.00        | 0.00        | 7.00        |
| Date      | 01-Jul-2017  | 30-Apr-2020 | 31-Oct-2020 | 31-May-2024 |
| Comments: | The PAD has eight (8) as end target, but the end target is now expected not to exceed seven (7). |             |             |             |

#### 4. Project Management and Coordination

► Grievances registered related to delivery of project benefits that are actually addressed (core). (Percentage, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 0.00              | 0.00             | 90.00       |
| Date  | 01-Jul-2017 | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |

► Semi-annual progress reports submitted on time. (Number, Custom)

|       | Baseline    | Actual (Previous) | Actual (Current) | End Target  |
|-------|-------------|-------------------|------------------|-------------|
| Value | 0.00        | 2.00              | 3.00             | 13.00       |
| Date  | 01-Jul-2017 | 30-Apr-2020       | 31-Oct-2020      | 31-May-2024 |

### Performance-Based Conditions

#### Data on Financial Performance

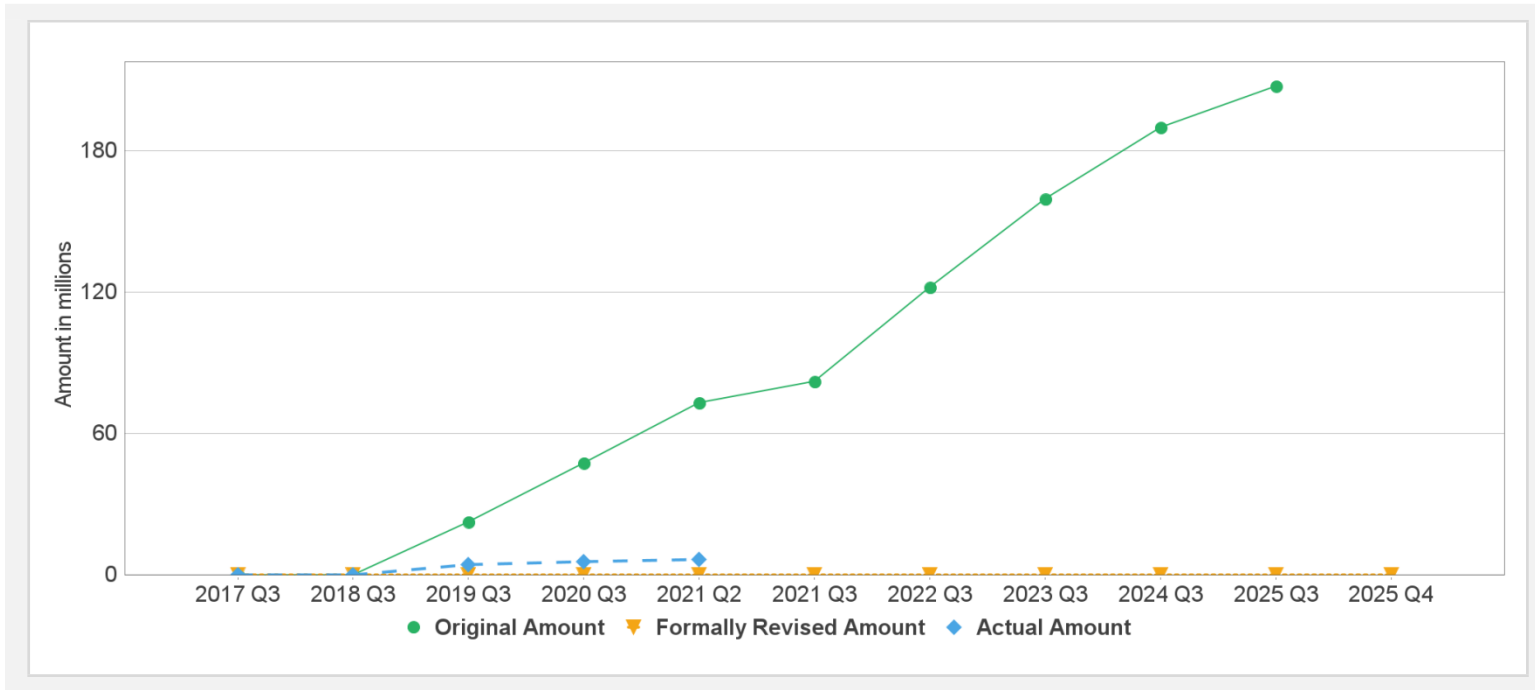
##### Disbursements (by loan)

| Project | Loan/Credit/TF | Status    | Currency | Original | Revised | Cancelled | Disbursed | Undisbursed | % Disbursed |
|---------|----------------|-----------|----------|----------|---------|-----------|-----------|-------------|-------------|
| P153814 | IBRD-87840     | Effective | USD      | 207.60   | 207.60  | 0.00      | 6.93      | 200.67      | 3.3%        |

##### 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



**PBC Disbursement**

| PBC ID | PBC Type | Description | Coc | PBC Amount | Achievement Status | Disbursed amount in Coc | Disbursement % for PBC |
|--------|----------|-------------|-----|------------|--------------------|-------------------------|------------------------|
|--------|----------|-------------|-----|------------|--------------------|-------------------------|------------------------|

**Restructuring History**

There has been no restructuring to date.

**Related Project(s)**

There are no related projects.