

SBF Project Implementation Monitoring Report

Philippines: Metro Manila Flood Management Project

1. Project Information

Project ID:	000023	Investment Number:	L0023A
Member:	Philippines	Region:	South-Eastern asia
Sector:	Urban	Sub-sector:	
AIB Financing Type:	Loan: 207.6 USD million	Co-financier(s):	IBRD
E&S category:	A	Borrower:	Republic of Philippines
Red Flags Assigned:	2	Monitoring Regime:	Enhanced Monitoring- Level I
Implementing Agency:	Department of Public Works and Highways DPWH, Metro Manila Development Authority (MMDA)		
Project Team Leader:	Sangmoo Kim		
Project Team Members:	Irish Fe Aguilar, Social Development Specialist Gerardo Pio Parco, Sr. Environmental Specialist Giacomo Ottolini, Principal Procurement Specialist; Yi Geng, Sr. Financial Management Specialist; Haiyan Wang, Sr. Finance Officer; David Ginting, Investment Operations Specialist – Water.		
Completed Site Visits by AIB:	Mar, 2018 Mar. 5-12, 2018 Oct, 2018 Oct. 1-10, 2018 Jun, 2019 Jun. 3-7, 2019 Jan, 2020 Jan. 20-24, 2020		
Planned Site Visits by AIB:	Mar, 2021 Jan. 2021		

2. Project Summary and Objectives

The Project aims to improve flood management in selected areas of Metro Manila. The Project focuses on about 56 potentially critical drainage areas with an approximate land area of 11,100 ha or over 17 percent of the total area of Metro Manila. The total population of these drainage areas is estimated at 3.5 million while the direct Project beneficiaries, i.e., those adversely affected by regular flooding, are estimated at 1.7 million.

The project objective will be achieved through the following activities: (i) modernizing of drainage areas, involving construction of new pumping stations or rehabilitation of existing ones and associated drainage infrastructure; (ii) strengthening of solid waste collection and disposal; and (iii) supporting participatory housing and resettlement, involving land acquisition, housing construction, rental support and livelihood assistance.

3. Key Dates

Approval:	Sep. 27, 2017	Signing:	Dec. 19, 2017
Effective:	Mar. 15, 2018	Restructured (if any):	
Orig. Closing:	Nov. 30, 2024	Rev. Closing (if any):	

4. Disbursement Summary (USD million)

a) Committed:	207.6	b) Cancellation (if any):	
c) Disbursed:	6.55	d) Most recent disbursement: (amount / date)	0.55, Dec. 1, 2020
e) Undisbursed:	201.05	f) Disbursement Ratio(%) ¹ :	3.2

¹ Disbursement Ratio is defined as the volume (i.e. the dollar amount) of total disbursed amount as a percentage of the net committed volume, i.e., $f = c / (a - b)$

5. Project Implementation Update

Project implementation has been progressing slower than originally agreed timelines. The modernization of one pumping station, Balut, progressed well until the enhanced community quarantine was put in place on Mar. 16, 2020. The extended COVID-19 lockdown has significantly impacted the project progress, particularly procurement process over the first half of 2020.

Component s	Physical Progress	Environmental & Social Compliance	Procurement
Component 1: Modernizing drainage areas (USD168.84 million) (USD168.84 million)	The modernization of the Balut Pumping Station is nearing completion (The submersible pump (2 m3/sec) and new trash rack have already been installed and are operational. The installed system functioned well during Typhoon Ulysses. The foundation for the pump gate (3 m3/sec) was completed with some delays, mostly due to COVID-19 working restrictions, and installation of the pump gate is expected to be completed in Jan 2021. The modernization will increase the pump capacity from 3 m3/sec to 7 m3/sec).	The construction activities in Balut PS are in compliance with the agreed measures in ESMP. Screening of six (6) PS as part of second batch of Pumping Stations has been carried out. Need to ensure that dredging activities are in compliance with agreed safeguards measures. MMDA and DPWH have clearly defined institutional responsibilities in the dredging activity.	Various procurement activities are ongoing including: (i) procurement for Vitas , Paco, and Labasan pumping station modernization; (ii) the first procurement package for dredging; (iii) procurement of modern desilting equipment. The contract for a consultancy services for the preparation of the solid waste master plan has been awarded.
Component 2: Minimizing solid waste in waterways (USD21.6 million)	Procurement of solid waste management and cleaning equipment (\$2million) has been completed.	Final disposal sites for solid waste needs to be specified and due diligence conducted if needed. Specific interventions in the communities surrounding the drainage areas discussed.	Various procurement activities are ongoing including: (i) procurement for Vitas , Paco, and Labasan pumping station modernization; (ii) the first procurement package for dredging; (iii) procurement of modern desilting equipment. The contract for a consultancy services for the preparation of the solid waste master plan has been awarded.
Component 3: Participatory housing and resettlement (USD7.64 million)	n/a	Delays in preparation and implementation of applicable sub-project safeguard documents (Revised RAP in Vitas under review by WB).	Various procurement activities are ongoing including: (i) procurement for Vitas , Paco, and Labasan pumping station modernization; (ii) the first procurement package for dredging; (iii) procurement of modern desilting equipment. The contract for a consultancy services for the preparation of the solid waste master plan has been awarded.
Component 4: Project management and coordination (USD9.0 million)	n/a	n/a	n/a

Financial Management:

The 2019 audit reports for both agencies were issued with unmodified (clean) opinions and are now under reviewed by WB.

6. Status of the Grievance Redress Mechanism (GRM)

GRM is operational using the Grievance Redress Systems (GRS) of DPWH and MMDA with dedicated people. Complaints or suggestions can be registered through general departmental hotlines, text messages, websites, and walk-ins. No grievance related to the Balut PS works has been registered.

7. Results Monitoring

Baseline Year: Jan. 1, 2017 End Target Year: Jan. 1, 2024

Project Objective Indicators	Year	Target	Actual	Others, if any
Flood-prone areas that are free of water within 24 hours after a major rainfall event (Ha)	Jan. 1, 2020	400	-	
Flood-prone areas that are free of water within 24 hours after a major rainfall event (Ha)	Jan. 1, 2021	1500	-	
Flood-prone areas that are free of water within 24 hours after a major rainfall event (Ha)	Jan. 1, 2024	4900	-	
Direct Project beneficiaries, of which females (million (Females))	Jan. 1, 2020	0.55 (0.27)	-	
Direct Project beneficiaries, of which females (million (Females))	Jan. 1, 2021	0.71 (0.35)	-	
Direct Project beneficiaries, of which females (million (Females))	Jan. 1, 2024	1.70 (0.85)	-	
Solid wastes collected at targeted existing pumping stations (1000 cu.m)	Jan. 1, 2017	17	-	
Solid wastes collected at targeted existing pumping stations (1000 cu.m)	Jan. 1, 2018	17	-	
Solid wastes collected at targeted existing pumping stations (1000 cu.m)	Jan. 1, 2019	17	-	
Solid wastes collected at targeted existing pumping stations (1000 cu.m)	Jan. 1, 2020	17	-	
Solid wastes collected at targeted existing pumping stations (1000 cu.m)	Jan. 1, 2021	13.5	-	
Solid wastes collected at targeted existing pumping stations (1000 cu.m)	Jan. 1, 2024	8.5	-	
Households successfully resettled from areas where they would obstruct proper O&M of the drainage systems. (Number)	Jan. 1, 2020	137	-	
Households successfully resettled from areas where they would obstruct proper O&M of the drainage systems. (Number)	Jan. 1, 2021	1451	-	
Households successfully resettled from areas where they would obstruct proper O&M of the drainage systems. (Number)	Jan. 1, 2024	2500	-	
Beneficiaries satisfied with reduced vulnerability to flooding in Project areas (Percentage)	Jan. 1, 2021	20	-	
Beneficiaries satisfied with reduced vulnerability to flooding in Project areas (Percentage)	Jan. 1, 2024	80	-	
Flood-prone areas that are free of water within 24 hours after a major rainfall event (Ha)	Jan. 1, 2017	0	-	
Flood-prone areas that are free of water within 24 hours after a major rainfall event (Ha)	Jan. 1, 2018	0	-	
Flood-prone areas that are free of water within 24 hours after a major rainfall event	Jan. 1, 2019	0	-	

(Ha)				
Direct Project beneficiaries, of which females (million (Females))	Jan. 1, 2017	0	-	
Direct Project beneficiaries, of which females (million (Females))	Jan. 1, 2018	0	-	
Direct Project beneficiaries, of which females (million (Females))	Jan. 1, 2019	0	-	
Households successfully resettled from areas where they would obstruct proper O&M of the drainage systems. (Number)	Jan. 1, 2017	0	-	
Households successfully resettled from areas where they would obstruct proper O&M of the drainage systems. (Number)	Jan. 1, 2018	0	-	
Households successfully resettled from areas where they would obstruct proper O&M of the drainage systems. (Number)	Jan. 1, 2019	0	-	
Beneficiaries satisfied with reduced vulnerability to flooding in Project areas (Percentage)	Jan. 1, 2017	0	-	
Beneficiaries satisfied with reduced vulnerability to flooding in Project areas (Percentage)	Jan. 1, 2018	0	-	
Beneficiaries satisfied with reduced vulnerability to flooding in Project areas (Percentage)	Jan. 1, 2019	0	-	
Beneficiaries satisfied with reduced vulnerability to flooding in Project areas (Percentage)	Jan. 1, 2020	0	-	

Intermediate Result Indicators	Year	Target	Actual	Others, if any
Existing pumping stations rehabilitated (Number)	Jan. 1, 2020	5	-	
Existing pumping stations rehabilitated (Number)	Jan. 1, 2021	10	-	
Existing pumping stations rehabilitated (Number)	Jan. 1, 2024	36	-	
New pumping stations constructed and operational (Number)	Jan. 1, 2024	20	-	
Barangays with improved solid waste management programs in place. (Numbers)	Jan. 1, 2020	25	-	
Barangays with improved solid waste management programs in place. (Numbers)	Jan. 1, 2021	75	-	
Barangays with improved solid waste management programs in place. (Numbers)	Jan. 1, 2024	200	-	
Community consultations undertaken (Numbers)	Jan. 1, 2017	3	-	
Community consultations undertaken (Numbers)	Jan. 1, 2018	3	3	
Community consultations undertaken (Numbers)	Jan. 1, 2019	6	6	
Community consultations undertaken (Numbers)	Jan. 1, 2020	2	-	
Community consultations undertaken (Numbers)	Jan. 1, 2021	24	-	

Community consultations undertaken (Numbers)	Jan. 1, 2024	30	-	
Grievances registered related to delivery of Project benefits that are actually addressed (percentage)	Jan. 1, 2018	90	-	
Grievances registered related to delivery of Project benefits that are actually addressed (percentage)	Jan. 1, 2019	90	-	
Grievances registered related to delivery of Project benefits that are actually addressed (percentage)	Jan. 1, 2020	90	-	
Grievances registered related to delivery of Project benefits that are actually addressed (percentage)	Jan. 1, 2021	90	-	
Grievances registered related to delivery of Project benefits that are actually addressed (percentage)	Jan. 1, 2024	90	-	
Existing pumping stations rehabilitated (Number)	Jan. 1, 2017	0	-	
Existing pumping stations rehabilitated (Number)	Jan. 1, 2018	0	-	
Existing pumping stations rehabilitated (Number)	Jan. 1, 2019	0	-	
New pumping stations constructed and operational (Number)	Jan. 1, 2017	0	-	
New pumping stations constructed and operational (Number)	Jan. 1, 2018	0	-	
New pumping stations constructed and operational (Number)	Jan. 1, 2019	0	-	
New pumping stations constructed and operational (Number)	Jan. 1, 2020	0	-	
New pumping stations constructed and operational (Number)	Jan. 1, 2021	0	-	
Barangays with improved solid waste management programs in place. (Numbers)	Jan. 1, 2017	0	-	
Barangays with improved solid waste management programs in place. (Numbers)	Jan. 1, 2018	0	-	
Barangays with improved solid waste management programs in place. (Numbers)	Jan. 1, 2019	0	-	
Grievances registered related to delivery of Project benefits that are actually addressed (percentage)	Jan. 1, 2017	0	-	

Remarks: The differences between the target and the actual is explained in section 5.