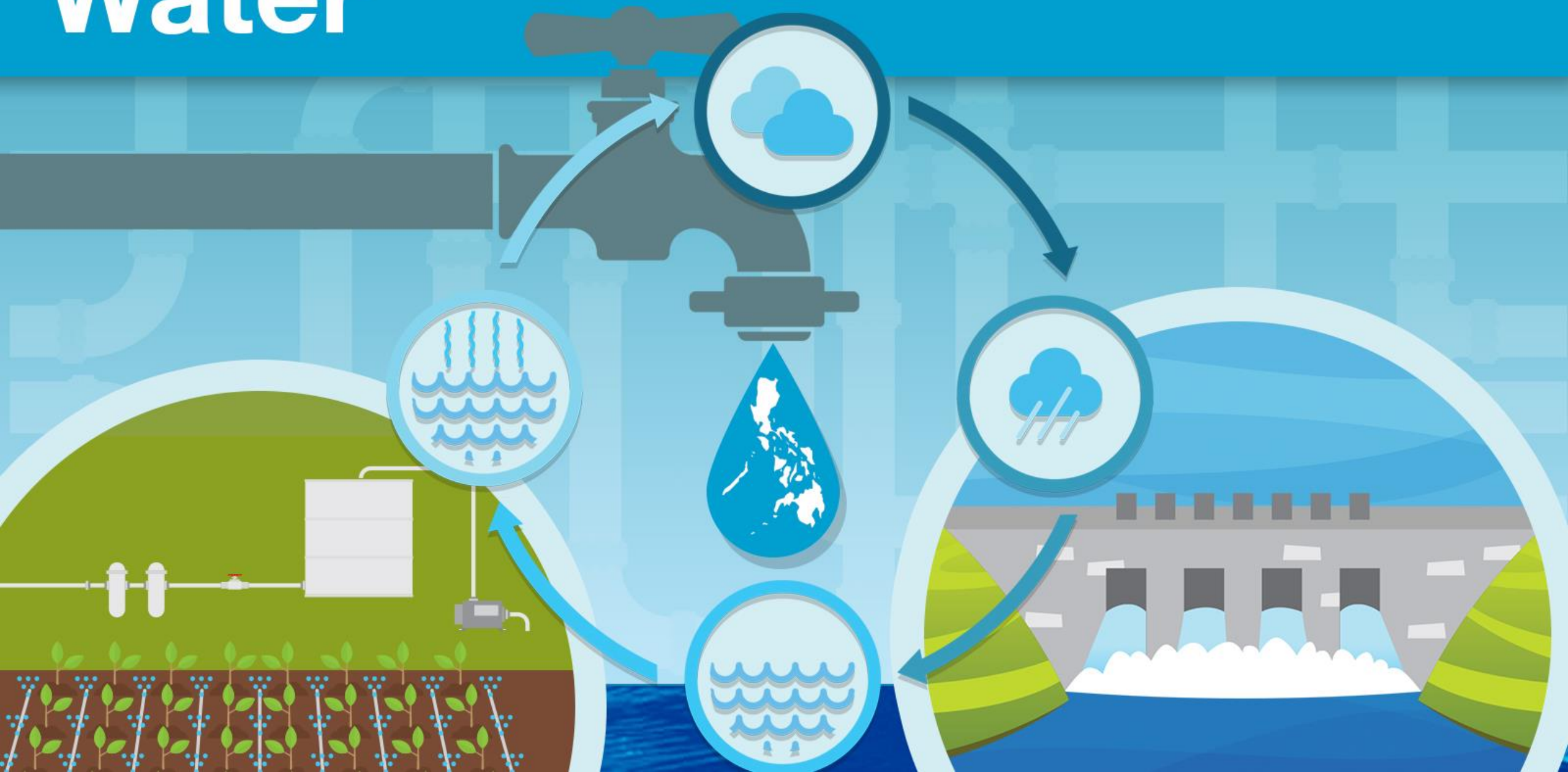


Water



Chico (Cagayan) River Pump Irrigation Project



Under construction

New irrigation facility

Project type	Water
Location	Cordillera Administrative Region
Cost	PhP4 billion
Source of funds	ODA-China
Proponent	National Irrigation Administration
Construction started	September 2018
Status	Active
Target completion	2021

Photo source: Chinese Embassy Manila

Project description:

Project covers the installation of electric motor-driven pumps and construction of pumping stations and irrigation canals. Project will irrigate around 8,700 hectares, benefitting 4,350 farmers in 21 barangays in Cagayan and Kalinga provinces.

Developments

- **June 2020:** Project is 47% completed.
- **May 2020:** Construction resumed after three months due to COVID-19 movement restrictions.
- **September 2018:** Ground-breaking and start of construction.
- **June 2017:** NEDA Board approved change in project financing.

Updated on June 23, 2021

Ilocos Norte - Ilocos Sur - Abra Irrigation Project

Under development

New dam and irrigation facilities

Project type	Water
Location	Region I – Ilocos Region
Cost	PhP28 billion
Source of funds	ODA-China
Proponent	National Irrigation Administration
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

Construction of a 126-meter high storage dam across the Palsiguan River in Lagayan, Abra. Project will directly benefit farmers of Nueva Era, Batac and San Nicolas in Ilocos Norte and Sinait in Ilocos Sur. Because of its high reservoir, the dam can also generate power for the province of Abra.



Photo source: National Irrigation Administration

Developments

- **June 2021:** Project dropped from NEDA Revised List of Infrastructure Flagship Projects.
- **December 2020:** Pending NEDA-ICC and NEDA Board approval.
- **February 2018:** Feasibility studies approved by NIA Board.

Updated on June 23, 2021

Gregorio del Pilar (Ilocos Sur) Impounding Project

Under development

New dam and irrigation facilities

Project type	Water
Location	Region I – Ilocos Region
Cost	PhP3 billion
Source of funds	ODA-China
Proponent	National Irrigation Administration
Target construction	Pending
Status	Inactive
Target completion	Pending

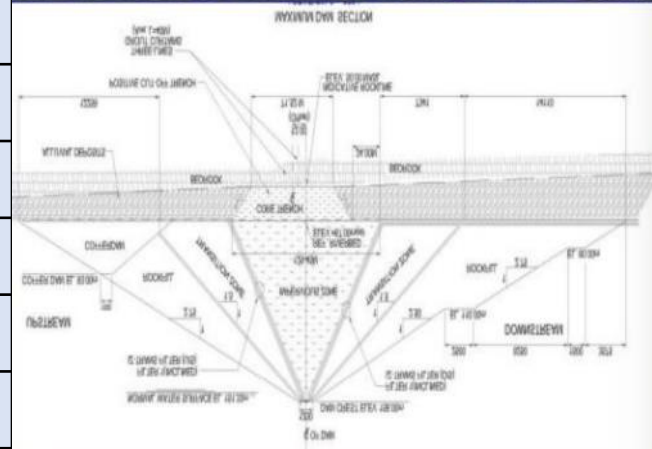


Photo source: National Irrigation Administration

Developments

- Pending NEDA-ICC and NEDA Board approval.

Project description:
Construction of an overflow type diversion dam across Abra River and a 13.2 km long transbasin tunnel to augment the water requirements of irrigation service areas in the municipalities of Sta. Maria, Burgos, Sta. Lucia, and Candon in Ilocos Sur. The project's total service area is 5,000 hectares.

Tumauini (Isabela) River Multipurpose Project

Under development

New dam and irrigation facilities

Project type	Water
Location	Region II – Cagayan Valley
Cost	PhP4 billion
Source of funds	ODA-China
Proponent	National Irrigation Administration
Target construction	Pending
Status	Inactive
Target completion	Pending



Photo source: National Irrigation Administration

Project description:

Construction of an 81 meter dam across the Tumauini River in Barangay Antagan, Tumauini, Isabela. Proposed project will increase production of 8,200 hectares irrigable lands and will benefit around 6,000 farmers in 32 barangays.

Developments

- **June 2021:** Project dropped from NEDA Revised List of Infrastructure Flagship Projects.
- **December 2020:** Pending NEDA-ICC and NEDA Board approval.

Updated on June 23, 2021

Candaba (Pampanga) Multi-purpose Impounding Dam Project

Under development

New dam

Project type	Water
Location	Region III – Central Luzon
Cost	PhP2 billion
Source of funds	GAA
Proponent	MWSS
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

Proposed dam will produce 500 million liters per day of potable water to Bulacan, Pampanga, and Tarlac.

Project is part of the MWSS “ABC” (Angat, Bayabas, Candaba) project, a new roadmap for alternative sources of water for Metro Manila.



Photo source: MWSS

Developments

- Under MWSS evaluation.

Updated on

June 23, 2021

Bayabas (Bulacan) Small Reservoir Irrigation Project

Under development

New dam

Project type	Water
Location	Region III – Central Luzon
Cost	PhP5 billion
Source of funds	GAA
Proponent	MWSS
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

Proposed dam will produce 250 million liters of water per day for the province of Bulacan.

Project is part of the MWSS “ABC” (Angat, Bayabas, Candaba) project, a new roadmap for alternative sources of water for Metro Manila.



Photo source: MWSS

Developments

- Under MWSS evaluation.

Updated on

June 23, 2021

Angat (Bulacan) Water Transmission Improvement Project

Completed

Expansion

Project type	Water
Location	Region III – Central Luzon
Cost	PhP3 billion
Source of funds	ADB
Proponent	MWSS
Construction started	October 2016
Status	Completed and operational
Target completion	July 2020



Photo source: MWSS

Project description:

Construction of new Tunnel No. 4 (4.00 meters diameter x 6.40 kilometers length) from Ipo to Bigte.

Developments

- **July 2020:** Start of operations (three months ahead of schedule).
- **June 2020:** Commissioning and testing of tunnel completed.
- **April 2020:** Tunnel partially opened.
- **September 2019:** Tunnel excavation and lining completed.
- **June 2016:** Start of construction.

Updated on June 23, 2021

Ipo (Bulacan) Dam No. 3

Under development

New dam

Project type	Water
Location	Region III – Central Luzon
Cost	Pending
Source of funds	ODA-China
Proponent	MWSS
Target construction	Pending
Status	Active
Target completion	Pending



Photo source: MWSS

Developments

- **January 2021:** Feasibility study concluded and submitted to MWSS and NEDA.

Project description:

Construction of a new impounding dam for 40 million cubic meters of water that could be used to augment water supply for Metro Manila.

Bulacan Bulk Water Supply Project

Under construction

New treatment plant

Project type	Water
Location	Region III – Central Luzon
Cost	PhP24 billion
Source of funds	PPP, solicited
Proponent	San Miguel Corporation and Korea Water Resources (30-year concession)
Construction started	2017 (Stage 1,2)/2022 (Stage 3)
Status	Active
Target completion	2019 (Stage 1,2)/Pending (Stage 3)



Photo source: Public-Private Partnership Center

Developments

- **January 2019:** Inauguration and start of operations for stage 1 and 2.
- **December 2020:** Construction for stage 1 and 2 completed.
- **July 2017:** Start of construction for Stage 1 and 2.

Updated on June 23, 2021

Project description:

Project will provide treated bulk water to 24 water districts in Bulacan province.

Aqueduct No. 7 (Bigte-Novaliches)

Under development

Expansion

Project type	Water
Location	Region III – Central Luzon
Cost	US\$126 million
Source of funds	ADB
Proponent	MWSS
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

New 15 kilometer aqueduct will convey raw water from Bigte, Norzagaray in Bulacan (inlet area) to La Mesa portal (outlet area) in Novaliches, Quezon City. It will have a capacity of 1,500 million liters of water per day and will replace the old, leaking aqueduct 1 and 2.

Project is part of the expanded Angat Water Transmission Improvement Project which is also funded by ADB.

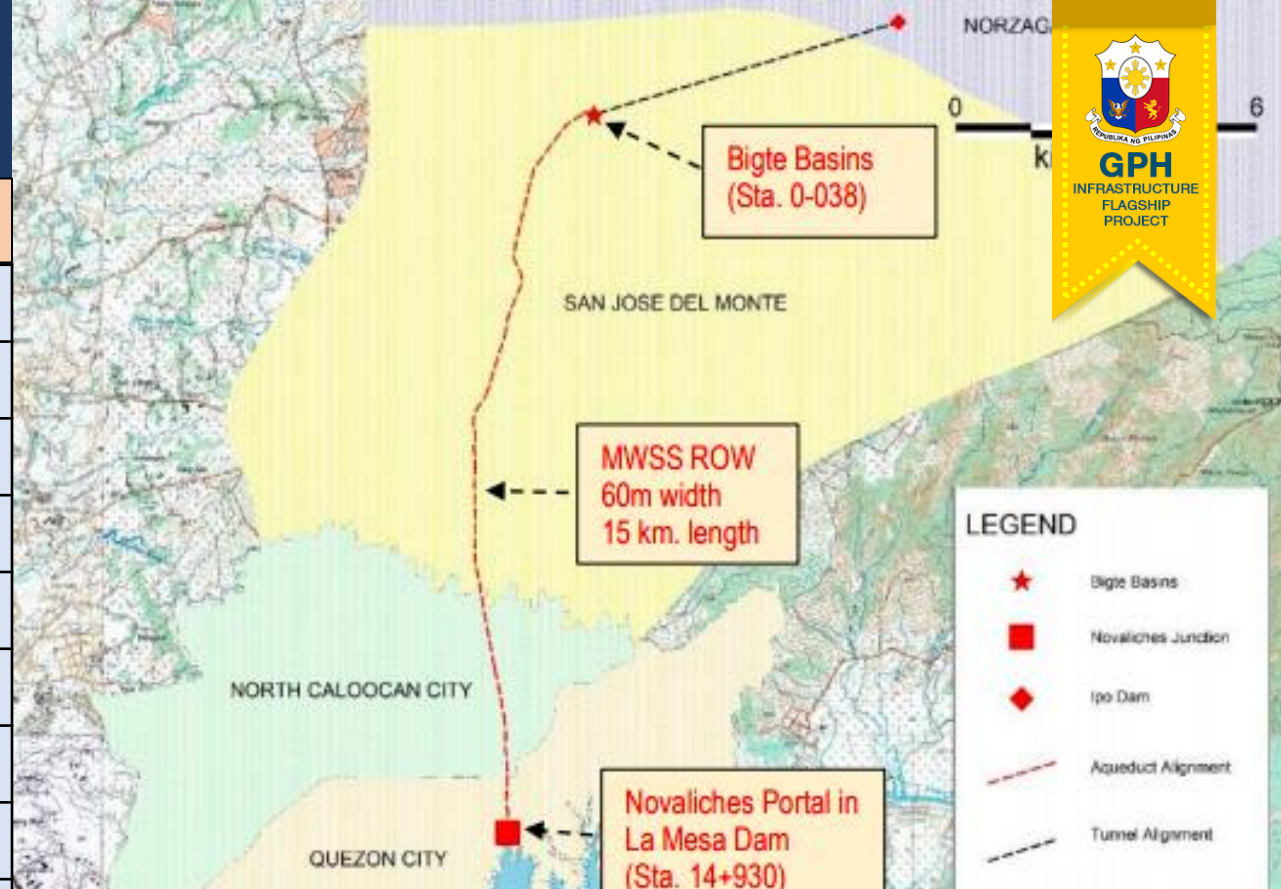


Photo source: ADB

Developments

- **December 2020:** Notice of Award for design and construction issued to Korean construction company DOHWA Engineering.
- **August 2020:** Loan agreement between ADB and MWSS signed.

Updated on June 23, 2021

Wawa Bulk Water Supply Project

Under development

Rehabilitation and expansion

Project type	Water
Location	Region IV-A – CALABARZON
Cost	PhP24 billion
Source of funds	Private, unsolicited
Proponent	WawaJVCO
Target construction	2021
Status	Inactive
Target completion	2025

Project description:

Construction of 92 meter dam in Montalban, Rizal that will deliver 500 million liters per day to support Angat Dam, currently the sole source of water for Metro Manila.

WawaJVCO is a joint venture between Prime Infra and San Lorenzo Ruiz Builders Group.

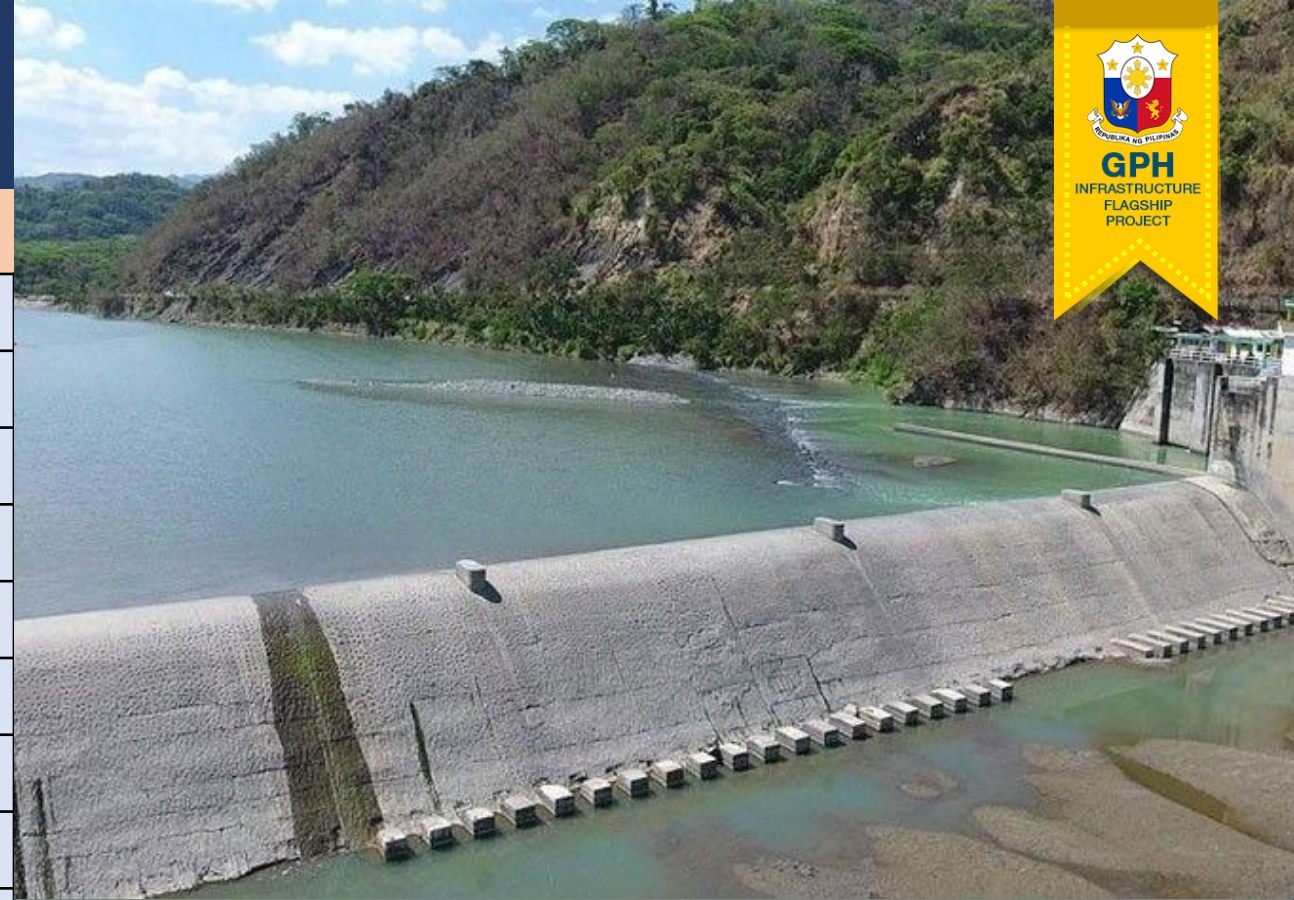


Photo source: [Inquirer.net](https://www.inquirer.net)

Developments

- **March 2021:** Permitting and site clearing ongoing but delayed due to quarantine restrictions.
- **November 2019:** NTP awarded to WawaJVCO.

New Centennial Water Source- Laiban Dam Project

Under construction

New dam

Project type **Water**

Location **Region IV A – CALABARZON**

Cost **PhP12 billion**

Source of funds **ODA-China**

Proponent **MWSS**

Target construction **2021**

Status **Active**

Target completion **Pending**

Project description:

The project involves construction of a 60 meter high dam and a 27 kilometer conveyance tunnel.

It is expected to supply an additional 600 million liters of water per day for the residents of Metro Manila.

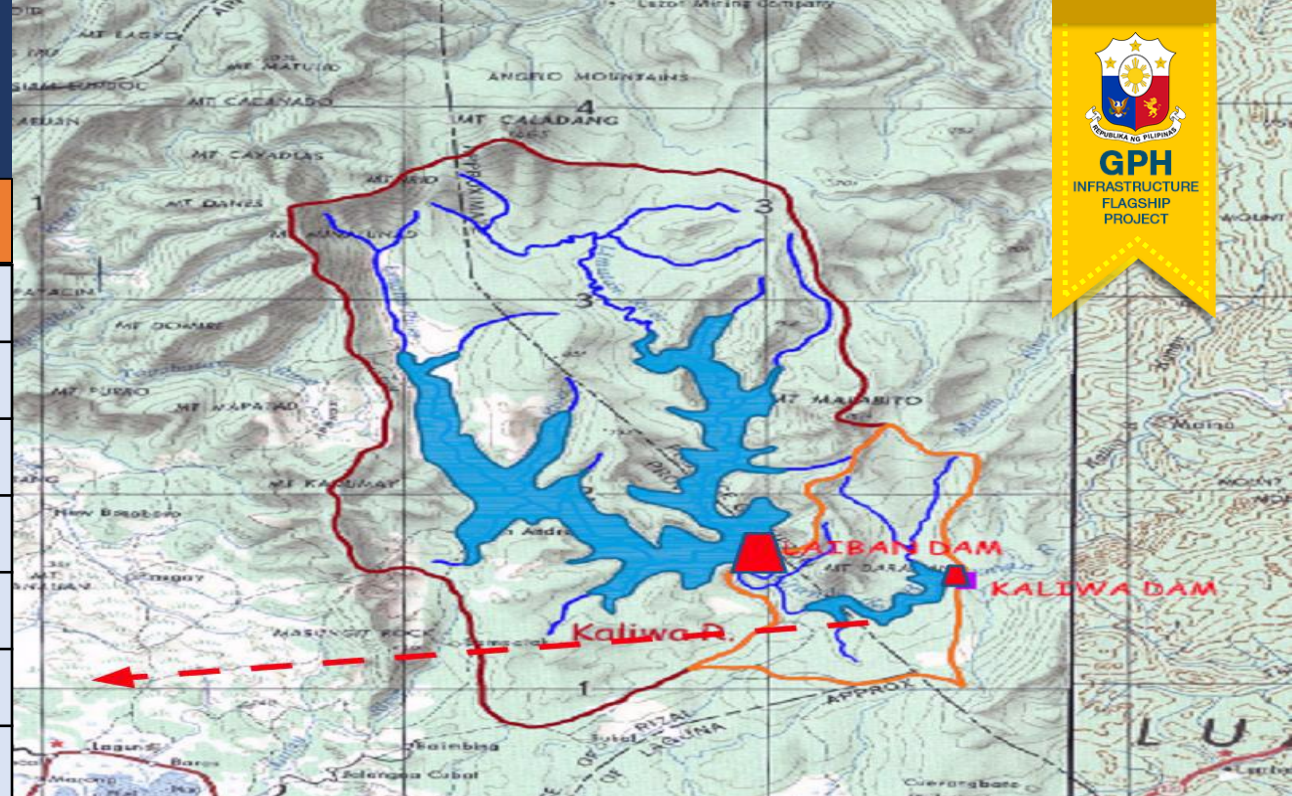


Photo source: MWSS

Developments

- **June 2021:** Tunnel boring machine delivered and passed factory acceptance test
- **March 2021:** MWSS announced tunneling equipment will arrive in May.
- **December 2020:** Detailed Engineering Design 92% complete
- **November 2019:** COA issued NTP to project contractor China Energy Engineering Corp. Ltd.
- **October 2019:** DENR approved Environmental Certificate of Compliance
- **November 2018:** Loan agreement signed during visit of Chinese President Xi Jinping
- **June 2014:** Change from PPP to ODA
- **May 2014:** NEDA Board approval

Updated on

June 23, 2021

Metro Manila Flood Management Project

Phase I: Under construction

Rehabilitation and expansion

Project type	Water
Location	National Capital Region
Cost	US\$500 million
Source of funds	GAA, World Bank, Asian Infrastructure Investment Bank
Proponent	MMDA
Construction started	2018
Status	Active
Target completion	2023

Project description:

Project involves construction of 20 new pumping stations and the modernization of 36 existing pumping stations around Metro Manila to improve flood and solid waste management. Once completed, the project will benefit 1.7 million residents living in almost 5,000 hectares of currently flood-prone areas.

This is the first project in the country co-financed by the Beijing-based AIIB.



Photo source: Inquirer.net

Developments

- **May 2021:** delays in construction due to quarantine restrictions
- **December 2020:** Balut pumping station completed. Procurement for the modernization of Vitas, Paco, and Labasan pumping stations are on-going.
- **December 2018:** Procurement for modernization of Balut pumping station completed.
- **December 2017:** Loan agreement with AIIB and World Bank signed.

Updated on

June 23, 2021

Pasig-Marikina River Channel Improvement Project, Phase III

Phase III: Completed

Rehabilitation and expansion

Project type	Water
Location	National Capital Region
Cost	PhP7 billion
Source of funds	JICA
Proponent	DPWH
Construction started	September 2010
Status	Completed and operational
Date of completion	April 2018

Project description:

Project mitigates flood damage in Metro Manila caused by overflow of the Pasig-Marikina River. Phase III involves channel improvement works in Lower Marikina River including the remaining portions in Pasig River in Delpan Bridge to the immediate vicinity of Mangahan Floodway.



Photo source: DPWH

Developments

- **April 2018:** Inauguration and start of operations.

Updated on June 23, 2021

Pasig-Marikina River Channel Improvement Project, Phase IV

Phase IV: Under construction

Rehabilitation and expansion

Project type	Water
Location	National Capital Region
Cost	PhP33 billion
Source of funds	JICA
Proponent	DPWH
Target construction	2019
Status	Active
Target completion	2023



Photo source: DPWH

Developments

- **April 2021:** Construction activities on-going but delayed due to pandemic restrictions.
- **November 2020:** Start of construction of Marikina Control Gate Structure.
- **February 2019:** ODA contract signed.
- **September 2018:** NEDA-ICC and NEDA Board approved.

Updated on June 23, 2021

Project description:

Project will cover channel improvement works for middle Marikina River from the downstream of Manggahan Floodway to Marikina Bridge in Sto. Nino. It also includes construction of two floodgates at the joining sections of Cainta and Taytay rivers to Manggahan Floodway.

Paranaque Spillway Project

Under development

New spillway

Project type	Water
Location	National Capital Region
Cost	PhP67 billion
Source of funds	JICA
Proponent	DPWH
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

The project, first proposed in 1977, involves construction of a 9.2 kilometer spillway with a 10 meter diameter tunnel that allows overflow from Laguna Lake to flow directly to Manila Bay instead of flooding lakeshore towns of Laguna and Rizal provinces and Metro Manila.

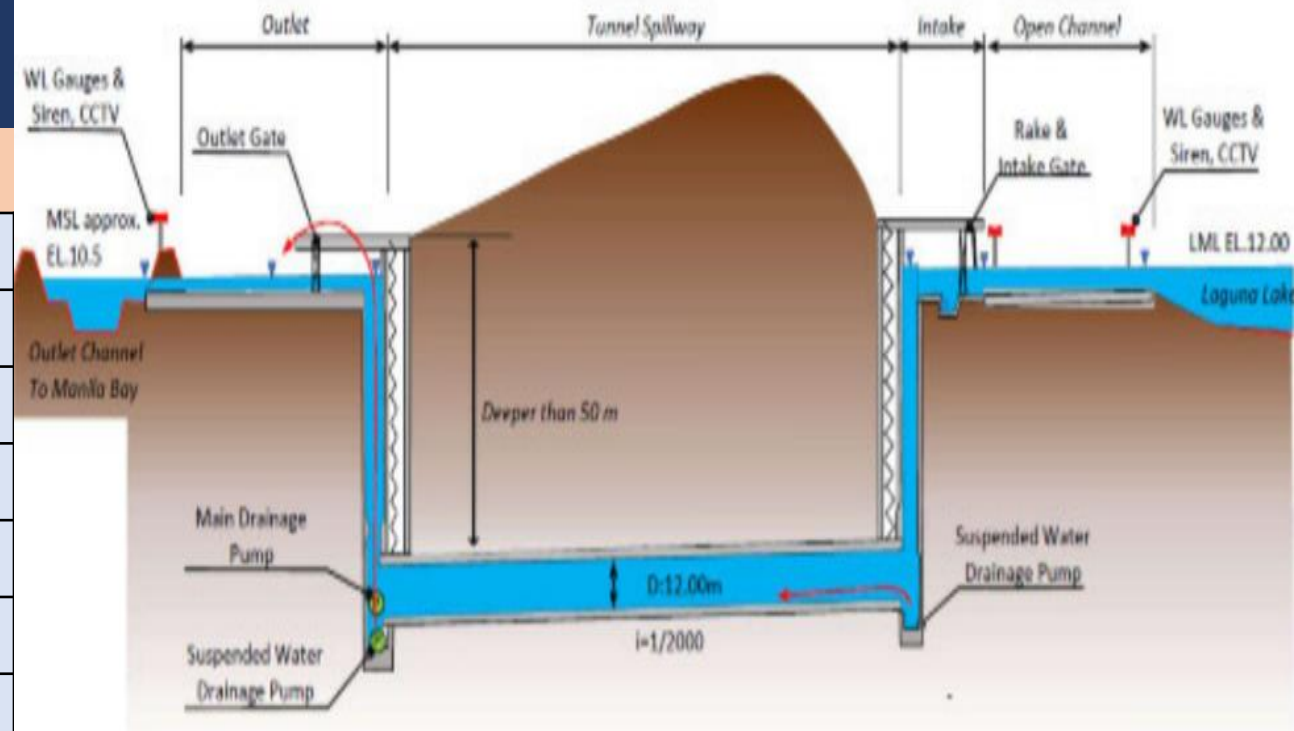


Figure 4.2 Schematic View of Parañaque Spillway

Photo source: JICA

Developments

- **November 2020:** Feasibility study with assistance from JICA is still being conducted. It is expected to be finished mid-2021.

Updated on

June 23, 2021

Rehabilitation of Umiray-Angat Transbasin Facilities

Under construction

Rehabilitation and expansion

Project type	Water
Location	Region IV-A – CALABARZON
Cost	PhP800 million
Source of funds	Manila Water and Maynilad
Proponent	Manila Water and Maynilad
Construction started	April 2016
Status	Active
Target completion	September 2021

Project description:

Rehabilitation and strengthening of existing tunnel structures/facilities to withstand typhoons in order to ensure continuous flow of raw water from the Umiray River to the Angat Reservoir.

This project is being implemented and funded by Manila Water and Maynilad.



Photo source: MWSS

Developments

- **May 2021:** Construction progress at 79%
- **November 2020:** Due to quarantine restrictions the target completion schedule was revised from December 2020 to September 2021.
- **April 2016:** Start of construction.

Updated on June 23, 2021

Sumag River Diversion Project

Under development

Expansion

Project type	Water
Location	Region IV-A – CALABARZON
Cost	PhP700 million
Source of funds	Manila Water and Maynilad
Proponent	Manila Water and Maynilad
Construction started	April 2014
Status	Inactive
Target completion	July 2022

Project description:

Construction of a diversion tunnel to supplement the water coming from Umiray River going to the Angat Reservoir.

This project is being implemented and funded by Manila Water and Maynilad.



Photo source: MWSS

Developments

- **September 2020:** project restarts construction after 4 years.
- **July 2020:** Gov. Suarez approved quarrying permit
- **January 2020:** MWSS informed Gov. Suarez that project will resume construction
- **November 2019:** President Duterte instructed MWSS to proceed with implementation of project even without quarrying permit
- **November 2017:** CDO was lifted but provincial Gov. Suarez refused to issue quarrying permit
- **January 2016:** Cease and Desist Order (CDO) issued by General Nakar LGU due to a flash flood incident in Umiray, killing six locals.
- **April 2014:** Start of construction.

Updated on | June 23, 2021

Bohol Northeast Basin Multipurpose Project

Under development

New dam and irrigation facilities

Project type	Water
Location	Region VII – Central Visayas
Cost	PhP4 billion
Source of funds	GAA
Proponent	National Irrigation Administration
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

Construction of two multipurpose storage dams, five diversion dams, trans basin tunnel, hydroelectric power plant, and irrigation and drainage facilities.



Photo source: National Irrigation Administration

Developments

- **June 2021:** Project dropped from NEDA Revised List of Infrastructure Flagship Projects.
- **February 2019:** Pending NEDA-ICC and NEDA Board approval.

Updated on June 23, 2021

Jalaur River Multi-Purpose Project Stage II

Under construction

New dam and irrigation facilities

Project type	Water
Location	Region VI – Western Visayas
Cost	PhP11 billion
Source of funds	Korea Eximbank, GAA
Proponent	National Irrigation Administration
Target construction	April 2019
Status	Active
Target completion	2023

Project description:

Project involves construction of three dams (reservoir, afterbay, and catch dams), a 6.6-megawatt hydropower plant, and an 81-kilometer high-line canal in Calinog, Iloilo. It is the largest dam project outside Luzon. It is expected to produce 86,000 cubic meters of water per day.

The project is implemented under a \$203-loan agreement with the ROKG through the Korea Eximbank and a counterpart fund from the GPH of P2.2 billion.



Photo source: National Irrigation Administration

Developments

- **March 2021:** project is 38% completed.
- **May 2021:** full resumption of construction works
- **April 2021:** construction works suspended due to COVID-19 outbreak
- **November 2019:** completion of 310-meter diversion tunnel and 30-meter upstream cofferdam
- **April 2019:** construction started
- **September 2018:** Engineering, Design, and Construction contract awarded to Korean firm, Daewoo Engineering and Construction

Updated on June 23, 2021

Panay (Iloilo) River Basin Integrated Development Project

Under development

New dam

Project type	Water
Location	Region VI – Western Visayas
Cost	PhP 19.3 billion
Source of funds	ODA-China
Proponent	National Irrigation Administration
Target construction	Pending
Status	Inactive
Target completion	Pending

Project description:

Construction of a high reservoir dam to store water potential of Panay River located in Tapaz, Capiz.



Photo source: National Irrigation Administration

Developments

- **August 2020:** Project dropped from NEDA Revised List of Infrastructure Flagship Projects.
- **December 2018:** For NEDA-ICC and NEDA Board approval.
- **August 2017:** Feasibility study completed and approved by the NIA Board.

Updated on June 23, 2021

Malitubog-Maridagao (North Cotabato) Irrigation Project, Phase II

Under construction

New irrigation facility

Project type	Water
Location	Autonomous Region in Muslim Mindanao
Cost	PhP5 billion
Source of funds	GAA
Proponent	National Irrigation Administration
Construction started	2018
Status	Active
Target completion	2022

Project description:

Proposed irrigation facility will divert water from Maridagao River to around 10,000 hectares of agricultural lands.



Photo source: National Irrigation Administration

Developments

- **December 2020:** Project construction at 60%.
- **May 2018:** NIA dropped request for financial assistance from Japan.
- **October 2016:** Project approved in NEDA-ICC board.

Updated on June 23, 2021