

No.	Program/Project Title	Basis for Implementation	Description	Outputs	Benefits/Outcomes	Total Project Cost (PhP M)	Funding Source	Implementation Period	Remarks	Current Status
1)	Angat Dam and Dyke Strengthening Project (ADDSP)	Water Security Legacy Program of MWSS	Strengthening of the Angat Dam and Dyke in order to ensure its stability and safety to withstand the potential risk posed by possible seismic activity associated with the West Valley Fault, and establish contingency measures. Project Location: Norzagaray, Bulacan	Strengthened structures (dam and dyke), installed instrumentation and constructed auxiliary spillway	The project will mitigate the risk of a dam/dyke failure, and likewise accommodate the updated Probable Maximum Flood of 12,000cms.	5,719.90	National Government and Private Sector (Angat Hydropower Corporation or AHC)	2016 - 2018	In light of the Supreme Court decision declaring the award of Angat Hydro-Electric Power Plant (AHEPP) to Korea Water Resources Corporation (K-Water) as valid and legal, the implementation of ADDSP particularly the strengthening works was then shifted from National Government/MWSS to K-Water, now registered as Angat Hydropower Corporation (AHC). Under the terms of its contract, AHC is obligated to undertake mandatory rehabilitation of Angat Dam. However, since contract packages 2 (dam instrumentation) and 4 (flood control protection works) of ADDSP in the total cost of PhP 553.30 Million remains to be the responsibility of the government, the National Power Corporation (NPC) and the Provincial Government of Bulacan (PGB) are now implementing the subject packages as per signed MOA including the transfer of funds.	a) Strengthening works: Construction works is on-going being undertaken by Hanjin, the contractor engaged by AHC. So far accomplishment is 14%. b) Dam Instrumentation: Six (6) out of seven (7) contract packages were already awarded and are now on-going. Contract Package #7 is still under bidding stage with on-going post qualification. This is being implemented by the National Power Corporation as per MOA. Accomplishment is 9.62% and total cost incurred so far has been P21M c) Flood protection works: Construction works is on-going wherein 3 out of 10 contract packages were already 100% completed. This is being implemented by the Provincial Government of Bulacan as per MOA. Accomplishment is 84.27% and cost incurred so far is P224M.
2)	Angat Water Transmission Improvement Project (AWTIP)	Water Security Legacy Program of MWSS	Investigation and rehabilitation of raw water transmission system from Ipo dam to La Mesa Dam, with the construction of new Tunnel No. 4 (4.00 meters diameter x 6.40 kilometers length) as the priority work in order to facilitate the rehabilitation of the whole transmission system. Project Location: Norzagaray, Bulacan	New Tunnel No. 4 of 6.40 kilometers length (4m diameter) that will supply 19cms of raw water	Improved flow and flexibility in the transmission of water from Angat which will enable the full rehabilitation of the whole raw water transmission system of the present	5,778.00	Asian Development Bank	2016 - 2020	The Project was awarded to CMC Ravenna in the total Bid Price of PhP 3.29 Million, and the Notice Of Award was issued on 05 May 2016 while the Notice To Proceed was issued on 31 May 2016.	• Detailed Engineering Design (DED) completed. On-going construction works by the contractor, CMC Ravenna. • Procurement of consultants for the review of DED and construction management is on-going. Issuance of Request For Proposal (RFP) documents for the six (6) shortlisted bidders is still pending due to the absence of approving authority which is the MWSS Board. To date, the President still has to appoint the new Administrator and the members of the MWSS Board.
3)	Bulacan Bulk Water Supply Project (BBWSP)	Water Security Legacy Program of MWSS	Supply of treated bulk water to the entire Province of Bulacan through its water districts. Project Location: Province of Bulacan	475 million liters per day of treated bulk water	It will address the water supply requirements of the Province of Bulacan.	16,320.00	Public-Private Partnership (PPP)	2016 - 2037	Implementation of this Project is in accordance with the MOA signed on July 2012 by and between MWSS and the Province of Bulacan.	• Detailed Engineering Design (DED) completed • Financial close completed • Construction of Water Treatment Plant is on-going (5% physical accomplishment) • Shortlisting of consultants for construction supervision was already completed (awaiting approval from the new MWSS Board, which are still to be appointed by the President).
4)	New Centennial Water Source - Kaliwa Dam Project (NCWS-KDP)	Water Security Legacy Program of MWSS	Development of a new water source in order to meet the increasing water demand by constructing a redundant dam for Metro Manila's domestic water supply. The project is seen to pave the way for the bigger Laban Dam project in the further future. Proj. Location: Kaliwa River, Brgy. Pagsangahan, General Nakar, Quezon	Additional volume of raw water in the amount of 600 million liters per day (600mld) once completed.	It will address the short term water supply deficit resulting from increased demand within the next 3 to 10 years.	18,724.00	Public-Private Partnership (PPP)	2017 - 2022	Pursuant to NEDA Board approval on 04 September 2015, the Project will be jointly implemented by MWSS and DPWH.	• On-going coordination with DPWH relative to the signing of MOA for the joint implementation of the Project. • Bidding documents were already completed but still to be approved by the Joint Special Bids and Awards Committee (JSBAC) and the new MWSS Board (still to be appointed by the President). • On-going coordination with the other LGUs relative to their endorsements of the Project, including with the NCIP & PAMB for the required clearance.
5)	Rehabilitation, Operation and Maintenance of MWSS-owned Auxiliary Turbines 4 & 5 (AN-4 & 5) of the Angat Hydro-Electric Power Plant (AHEPP)	Water Security Legacy Program of MWSS	The project involves the opportunity to optimize the benefits from the MWSS-owned Auxiliary Turbines 4 & 5 (AN-4 & AN-5) by developing the hydropower generation component, a "by-product" of the raw water flowing through the turbines. Project Location: Norzagaray, Bulacan	28 megawatts of hydropower generation with an estimated annual electricity production of 145.70 GWH.	Extended economic life of the auxiliary turbines by another 30 years as well as increased energy output and load capacity Concession fee paid by the winning Operator to MWSS that can fund additional infrastructure Projects of MWSS	1,155.00	Public-Private Partnership (PPP)	2017 - 2018	After the failed bidding in 2013, MWSS sought the opinion of OGCC and the latter opined that MWSS may lawfully negotiate with K-Water (the new AHEPP Owner). Furthermore, MWSS also sought NEDA Board approval to negotiate directly with K-Water and an exemption from the 2013 NEDA Joint Venture Guidelines.	□ The MWSS also sought NEDA Board's approval to negotiate directly with Angat Hydropower Corp (AHC), the new owner/operator of the Angat Hydro-Electric Power Plant (AHEPP), and an exemption from the 2013 NEDA Joint Venture Guidelines. □ The NEDA in its letter to MWSS dated 28 July 2016 responded that they cannot grant the exemption of the Project from the required competitive challenge under the 2013 JV Guidelines. In addition, NEDA informed that MWSS may seek an opinion from the OGCC on whether a negotiated JV may be pursued for the Project under the 2013 JV Guidelines. □ Hence, MWSS wrote OGCC on 21 Sept. 2016 in compliance with NEDA's advice/comments. To date, no response yet from OGCC.
6)	Sumag River Diversion Project (SRDP)	Water Security Legacy Program of MWSS	This involves the tapping of the Sumag River which was originally part of the Umiray Angat Transbasin Tunnel Project Proj. Location: Umiray, General Nakar, Quezon	600 meters length of tunnel (2.50m diameter) that will provide an additional raw water supply of 188 mld (million liters per day).	It will increase the volume of raw water in the Angat water system - coming from the Umiray River going to the Angat Reservoir.	774.00	Common Purpose Facility (CPF)	2014 - 2016	The Project, which was awarded to Cavite Ideal International Construction and Development Corporation (CAVDEAL), is being implemented and funded by the Common Purpose Facility (CPF) Office of the two (2) Concessionaires of MWSS (Manila Water and Mavnilad)	Construction works was temporarily suspended due to the incident that happened (re: cofferdam had collapsed on 13 August 2016 resulting to the death of 6 workers). Actual physical accomplishment to date is 67.79%; proposed time extension no. 2 is in process.
7)	Rehabilitation of Umiray-Angat Transbasin Tunnel structures/facilities (UAT Rehab)	Water Security Legacy Program of MWSS	Rehabilitation and strengthening of existing tunnel structures/facilities to withstand future typhoons in order to ensure the continuous flow of raw water from the Umiray River to the Angat Reservoir	Additional structures that will strengthen the existing system in order to withstand future typhoons and to ensure the availability of at least 9 cms or 780 mld of raw water.	It will mitigate the risk of water shortage, and secure the supply of raw water coming from the Umiray River	717.00	Common Purpose Facility (CPF)	2016 - 2017	The Project, which was awarded to A.M. Oreta Construction, is being implemented and funded by the Common Purpose Facility (CPF) Office of the two (2) Concessionaires of MWSS (Manila Water and Mavnilad)	□ To date, the construction works is still suspended upon the Order of LGU Quezon due to the incident that happened (re: cofferdam that collapsed on 13 August 2016 resulting to the death of six (6) persons). □ Proposed Time Extension No. 2 is in process.
										□ To date, the construction works is still suspended due to the incident that happened in Sumag Project. □ To date, the construction works is still suspended due to the incident that happened in Sumag Project. Actual physical accomplishment to date is 37.87%.