



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
Manila

Reference Number: **XI-259**
Project ID: **P00522307MN**

May 26, 2021

MEMORANDUM

FOR : **MARK A. VILLAR**
Secretary
This Department

This refers to the memorandum dated 06 May 2021 of **DPWH Region XI OIC-Director REY PETER B. GILLE**, endorsing the request of **District Engineer RICHARD A. RAGASA, Davao City District Engineering Office**, for the **modification** of the project under FY 2021 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 320102104172000 Project ID: P00522307MN					
OO2: Protect Lives and Properties Against Major Floods – Flood Management - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers			OO2: Protect Lives and Properties Against Major Floods – Flood Management - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers		
Construction of Revetment along Talomo River, Davao City			Construction of Revetment along Talomo River, Davao City		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Revetment / 530.000 lm	₱ 109,245.28/ lm	₱ 57,900,000	CW1- Construction of Revetment / 188.00 lm	₱ 307,978.72/ lm	₱ 57,900,000
EAO	-	₱ 2,100,000	EAO	-	₱ 2,100,000
Total:		₱ 60,000,000	Total:		₱ 60,000,000

Justification: *64% decrease in target.*

Decrease in physical target for construction of revetment from 530.000 lineal meters to 188.000 lineal meters due to the following:

- Scope of works include Z-Type Hot Rolled Steel Sheet Pile with pile cap for high strength on steel grade instead of the ordinary structural sheet piles since it is more efficient based on design for it requires a very high section modulus and it is larsen interlocking;
- As per design, height of rubble concrete is 6m (1,201.40 cu.m.) on steel sheet pile with pile cap to attain the maximum flood elevation requirement of the flood mitigation structure;
- Design includes riprap "Class D" of 1,240.80 cu.m. and hand-laid rock embankment for toe protection and soil stability;
- The design of revetment requires massive earthworks such as unsuitable excavation with a total volume of 9,362.10 cu.m. for river widening, clearing and grubbing, and embankment (borrow=1,960.30 cu.m.) to alleviate overflowing from the river to the residence; and
- Also, it includes, fence (CHB, cyclone/welded wire = 658 sq.m.), 535.80 ln.m. railings, 2,200 trees furnishing and transplanting, and provision of 288 lineal meters detour/access road.

See MD & DE Act of Dist. Engineer of justifying high unit cost
Based on our evaluation, the submitted request for modification of the said project is in order, hence, approval hereof is recommended.

EUGENIO R. PIPO, JR.

Undersecretary for Regional Operations in Mindanao

APPROVED/DISAPPROVED:

MARK A. VILLAR
Secretary

2.3 mksa/LCA/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary



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