



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

June 19, 2023

MEMORANDUM

FOR : **MANUEL M. BONOAN**
Secretary
This Department

This refers to the memorandum dated 22 March 2023 of **DPWH Region XII Director BASIR M. IBRAHIM**, endorsing the request for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 320102105630000 Project ID: P00721467MN					
OO2: Protect Lives and Properties Against Major Floods – Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers			OO2: Protect Lives and Properties Against Major Floods – Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers		
Construction of River Bank Protection along Ala River, Santo Niño, South Cotabato			Construction of River Bank Protection along Ala River, Santo Niño, South Cotabato		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW-1- Construction of Flood Mitigation Structure	P 133,851.84/ Lineal meters	P 106,150,000.00	CW-1- Construction of Flood Mitigation Structure	P 194,592.12 / Lineal meters	P 106,150,000.00
793.041 Lineal meters			545,500 Lineal meters		
EAO	-	P 3,850,000.00	EAO	-	P 3,850,000.00
Total:		P 110,000,000.00	Total:		P 110,000,000.00

Justification:

- Decrease in physical target due to the usage of Furnished and Driven Steel Sheet Pile, Z-Type, Grade 50 with a depth of 9m and a total length of 638.000 lm and Concrete (Slope Protection) with a volume of 1,898.34 cu.m. based on the approved DED and POW.
- The use of sheet pile was incorporated in the design to minimize the effect of bending stresses in the piles.
- As per design, to comply to the design flood height requirements, the structure used Z-type steel sheet piles which has a large section modulus of 1355 cubic cm/meter with an embedment/length of 9 meters to withstand the water pressure needed for the river protection dike.

29M0073 - SR2023-01-002541 dated 1-30-2023

- The project also includes earthworks such as Structure Excavation and Embankment (from Borrow) (4.13%).
- The derived unit cost is based on the Approved Plan and Program of Works.
- Please see attached copy of a similar project evaluated by the Bureau of Construction (BOC) dated June 8, 2023. Project No. 3 (P00721304MN). ** Do not use another project for justification. Every project is different.*

Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.

ADOR G. CANLAS

Assistant Secretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and XIII

RECOMMENDING APPROVAL:

MARIA CATALINA E. CABRAL, Ph.D., CESO-1

Undersecretary for Planning
and Public-Private Partnership Services

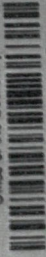
EUGENIO R. TIPO, JR.
Undersecretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and XIII

APPROVED/DISAPPROVED:

MANUEL M. BONOAN
Secretary

2.3 LDAM/OAL/AVS/JGC/ERP

Department of Public Works and Highways
Office of the Secretary



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