



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 21 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. 320102105614000 Project ID: P00721451MN		ORGANIZATIONAL OUTCOME 2: Protect Lives and Properties Against Major Floods - Flood Management Program - Construction/ Rehabilitation of Flood Mitigation Facilities Within Major River Basins and Principal Rivers	
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Construction of Flood Control Structure Rio Grande de Mindanao (Libungan Toreta Section) Libungan Toreta, Pigcawayan, Cotabato		Construction of Flood Control Structure Rio Grande de Mindanao (Libungan Toreta Section) Libungan Toreta, Pigcawayan, Cotabato	
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target
CW-1- Construction of Flood Mitigation Structure: 793.04 lineal meters	P 133,852.01 / Lineal meters	P 106,150,000.00	CW-1- Construction of Flood Mitigation Structure: 238.00 lineal meters
EAO	-	P 3,850000.00	EAO
Total: P 110,000,000.00		Total: P 110,000,000.00	
Justification: <i>W BOC Cost new old June 8, 2023</i>			
• Decrease in physical target due to the usage of Furnished and Driven Steel Sheet Pile, Z-Type, Grade 50 with a depth of 6m and a total length of 5,580.00 lm and Concrete (Slope Protection) with a volume of 1,520.82 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 accommodate the design flood height requirements, the structure uses z-type steel sheet pile which has a larger section modulus (1355 cubic centimeter per meter) compared to conventional U-type steel sheet pile to withstand the water pressure needed for the river protection dike (6m - high double berm reinforced concrete).			

27M0004 - SR2023-01-000559 dated 1-30-2023

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Page 2 of 2

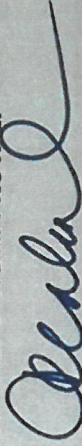
- The project also includes earthworks such as Structure Excavation and Embankment (from Borrow) (9.23%).
- The derived unit cost is based on approved DUPA and POW.
- Please see attached evaluation by the Bureau of Construction (BOC) dated June 8, 2023.

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

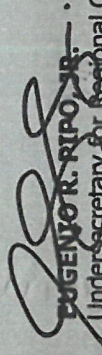
ADOR G. CANLAS

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

RECOMMENDING APPROVAL:



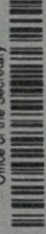
MARIA CATALINA E. CABRAL, Ph.D., CESO I
Undersecretary for Planning
and Public-Private Partnership Services


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

APPROVED / DISAPPROVED:


MANUEL M. BONOAN
Secretary

Department of Public Works and Highways
Office of the Secretary



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2.3 LDAM/OAL/AVS/AGC/ERP

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