



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 29 May 2023 of **DPWH Region XII Director BASIR M. IBRAHIM** for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 320101109443000 Project ID: P00721583MN			OO2: Protect Lives and Properties – Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems		
Construction of Malitubog River Bank Protection (Downstream of Malitubog Bridge, Left Bank) Barangay Poblacion, Banisilan, North Cotabato			Construction of Malitubog River Bank Protection (Downstream of Malitubog Bridge, Left Bank) Barangay Poblacion, Banisilan, North 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: 504.663 Lineal Meters	P 133,851.70/ Lineal Meters	P 67,550,000.00	CW-1- Construction of Flood Mitigation Structure: 244.56 Lineal Meters	P 276,210.34 / Lineal Meters	P 67,550,000.00
EAO	-	P 2,450,000.00	EAO	-	P 2,450,000.00
Total:		P 70,000,000.00	Total: P 70,000,000.00		
Use of rubble concrete / steel sheet piles					
Justification:					
- Decrease in physical target/ increase in the unit cost of CW1 due to the usage of Steel Pile, Z-type, Grade 50 with a length of 9 meters/ total length of 3,899.18 lm (67.0178%) based on the approved DED and POW. - As per design, to comply to the design flood height requirements, the structure used Z-type steel sheet piles which have large section modulus of 1355 cubic cm/meter and embedment length of 9 meters to withstand the water pressure needed for the river protection dike. - The project includes Concrete Slope Protection with a total volume of 126.26 cu.m (1.6317%) and Rubble Concrete with a total Volume of 1,968.31 cu.m (12.3859%). The project also includes Earthworks such as (Individual Removal of Trees (150-300 mm dia.), Channel Excavation (Unsuitable Excavation), Structure Excavation (Common Soil), and Embankment (from Borrow)) which accounts to 13.36%, Pipe Culvert, 910mm dia (0.6836%) and Rectangular Flap Gate (0.1738%). - The derived unit cost is based on the approved DUPA and Program of Works (POW).					

CR

[Signature]

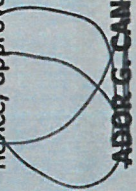
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UACS No. 320101109443000
Project ID: P00721583MN

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Please see attached copy of a similar project evaluated by the Bureau of Construction (BOC) dated June 8, 2023. Project No. 2 (P00721476MN).

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


ADOR G. CANLAS

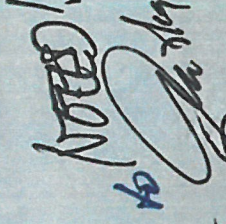
Assistant Secretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and XIII

RECOMMENDING APPROVAL:

Further on subject to


MARIA CATALINA E. CABRAL, Ph.D., CESO I

Undersecretary for Planning
and Public-Private Partnership Services


EUGENIO R. RIPO, JR.

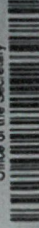
Undersecretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and XIII

APPROVED/DISAPPROVED:


MANUEL M. BONOAN
Secretary

2.3 LDAM/OAL/AVS/AGC/ERP

Department of Public Works and Highways
Office of the Secretary



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