



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

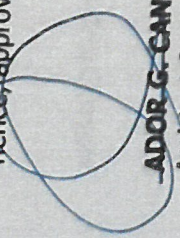
This refers to the memorandum dated 15 March 2023 of **DPWH Region XII Director BASIR M. IBRAHIM**, endorsing the request for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 320101109445000 Project ID: P00721304MN			ORGANIZATIONAL OUTCOME 2: Protect Lives and Properties Against Major Floods - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems		
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Construction of Glan River Control, Package A, Glan, Sarangani			Construction of Glan River Control, Package A, Glan, Sarangani		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW-1- Construction of Flood Mitigation Structure: 720.947 lineal meters	₱ 133,851.726 / Lineal meters	₱ 96,500,000.00	CW-1- Construction of Flood Mitigation Structure: 413 lineal meters	₱ 233,656.174 / Lineal meters	₱ 96,500,000.00
EAO	-	₱ 3,500,000.00	EAO	-	₱ 3,500,000.00
Total:		₱ 100,000,000.00	Total:		₱ 100,000,000.00
Justification:					
- Decrease in physical target/ increase in the unit cost due to the usage of <u>Furnished and Driven Steel Pile, Z-type, Grade 50</u> with a length of 6 meters (total length of 3,222.00 lm) and <u>Concrete (Slope Protection) with a volume of 2,639.07 cu.m.</u> based on the approved DED and POW. - The used 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 <u>Z-type steel sheet piles</u> which has a large section modulus of 1355 cubic cm/meter with an embedment length of 6 meters to withstand the <u>water pressure</u> needed for the river protection dike. - The project also includes earthworks such as <u>Structure Excavation and Embankment (from Borrow)</u> (13.20%). - The derived unit cost is based on approved DUPA and POW.10					

27mm0098 - SR2023-01-002282 dated 1-30-2023

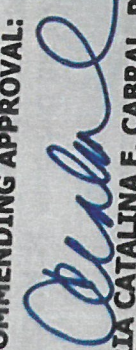
- Please see attached evaluation of the Bureau of Construction (BOC) dated June 8, 2023.

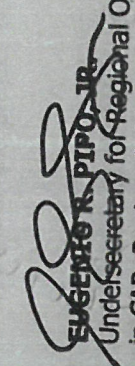
Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.


ADOR G. CANLAS

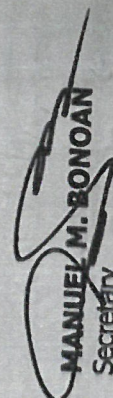
Assistant Secretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and XIII

RECOMMENDING APPROVAL:


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

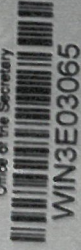

EUGENE R. PIPO
Undersecretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and XIII

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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