



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

Reference Number: XI-102  
Project ID: P00522316MN

April 19, 2021

**MEMORANDUM**

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

This refers to the memorandum dated 06 April 2021 of **DPWH Region XI OIC-Director REY PETER B. GILLE** endorsing the request of **District Engineer NICOMEDES D. PARILLA, Davao del Sur District Engineering Office**, for the approval of Modification of the hereunder project covered by CY 2021 General Appropriation Act (GAA), to wit;

As per GAA/Original			As Modified		
Project Description					
<b>UACS No. 320102104181000</b> <b>Project ID : P00522316MN</b>					
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 Flood Control at Padada-Mainit River (Bulatukan River Section-Protecting Masalam Br. & NIA Dam), Hagonoy, Davao del Sur			Construction of Flood Control at Padada-Mainit River (Bulatukan River Section-Protecting Masalam Br. & NIA Dam), Hagonoy, Davao del Sur		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 – Construction of Flood Mitigation Structure/ 1,162.352 l.m.	₱ 83.02/ l.m.	₱ 96,500,000.00	CW1 – Construction of Flood Mitigation Structure/ 500.00 l.m.	₱ 193,000.00/ l.m.	₱ 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:** *56% decrease in target; rubble concrete/steel sheet piles*  
Decrease in physical target for construction of flood mitigation structure from 1,162.352 l.m. to 500.000 l.m. due to the following:

- The design for flood control structure is concrete revetment instead of the anticipated design of rubble concrete, for the entire section. Hence, with higher unit cost;
- Design for concrete revetment has a height of 7m instead of the anticipated 5m with 10,966.15 cu.m. of hand-laid rock embankment as toe protection; and
- Project has substantial cost since scope of work also includes steel sheet piles (depth=6.00m and quantity of 5,213.83 l.m.), structure excavation of 5,073.45 cu.m., 2,300.11 cu.m. of structural concrete for revetment, and 1,013.44 cu.m. of structural concrete for ground sill as bridge protection.

*Attached DE Cell of Cost Reclamation & Repair High Cost*  
Based on our evaluation, the submitted request for modification is in order, hence, it is respectfully recommended to the Secretary for his consideration and approval.

**EUGENIO R. RIPO, JR.**  
Undersecretary for Regional Operations in Mindanao

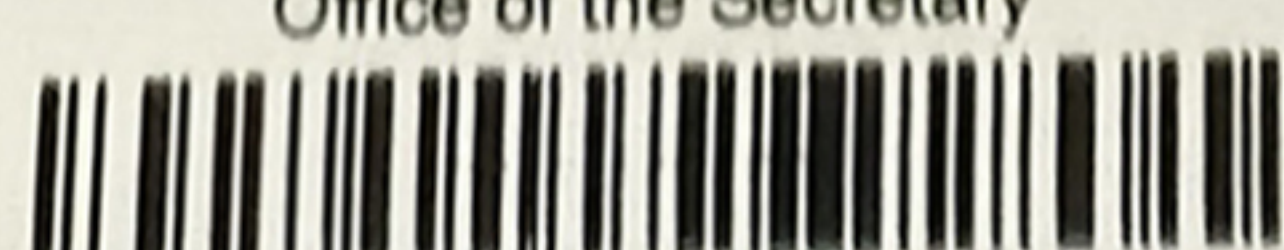
**APPROVED/DISAPPROVED:**

*[Signature]*

**MARK A. VILLAR**  
Secretary

2.3 aap/LCA/AVS/AGC/ERP

Department of Public Works and Highways  
Office of the Secretary



WIN1E02609