



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. 320102105635000<br>Project ID: P00721472MN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |                  |                                                                                           |                                |                  |
| 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 Structure, Ala River Road Dike, Package A - Phase 3, Lambayong, Sultan Kudarat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                  |                                                                                           |                                |                  |
| Type of Work/<br>Physical Target                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Unit Cost                      | Allocation       | Type of Work/<br>Physical Target                                                          | Unit Cost                      | Estimated Cost   |
| CW-1-<br>Construction of<br>Flood Mitigation<br>Structure:<br><br>865.136 Lineal<br>meters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | P 133,851.79 /<br>Lineal meter | P 115,800,000.00 | CW-1-<br>Construction of<br>Flood Mitigation<br>Structure:<br><br>606.00 Lineal<br>meters | P 191,089.11 /<br>Lineal meter | P 115,800,000.00 |
| EAO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                              | P 4,200,000.00   | EAO                                                                                       | -                              | P 4,200,000.00   |
| Total:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                | P 120,000,000.00 | Total:                                                                                    |                                | P 120,000,000.00 |
| Justification:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |                  |                                                                                           |                                |                  |
| <ul style="list-style-type: none"><li>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 7,092.00 lm) based on the approved DED and POW.</li><li>The use of sheet pile was incorporated in the design to minimize the effect of bending stresses in the piles.</li><li>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 6 meters to withstand the water pressure needed for the river protection dike.</li><li>The project also includes earthworks such as Structure Excavation and Embankment (from Borrow) (11.44%).</li><li>The derived unit cost is based on approved DUPA and POW.</li></ul> |                                |                  |                                                                                           |                                |                  |

UACS No. 320102105635000  
Project ID: P00721472MN

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Please see attached copy of a similar project evaluated by the Bureau of Construction (BQC) 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:**

*Catalina E. Cabral*

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

Undersecretary for Planning  
and Public-Private Partnership Services

*Eugenio R. Pupo*

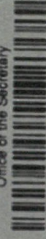
**EUGENIO R. PUPO, JR.**  
Undersecretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII, and XIII

**APPROVED / DISAPPROVED:**

*Manuel M. Bonoan*

**MANUEL M. BONOAN**  
Secretary

Department of Public Works and Highways  
Office of the Secretary



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