



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

22 MAR 2018

**MEMORANDUM**

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

This refers to the memorandum dated March 09, 2018 of **DPWH Region IV- B, OIC- Director WILFREDO S. MALLARI**, endorsing the request for approval of **Modification** of **District Engineer JOSEFINO M. MELGAR, JR.**, Mindoro Occidental District Engineering Office, of the project under FY 2018 General Appropriation Act (GAA), to wit;

| As per GAA/Original                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                    | As Modified                                                                                                                                                                                                                                                                                                |                   |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------|
| Project Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                    |                                                                                                                                                                                                                                                                                                            |                   |                        |
| <b>UACS No. 320101101558000</b><br><b>Project ID: P00223374LZ</b><br><br>Organizational Outcome 2: Protect Lives and Properties Against Major Floods<br><br>Flood Management Program - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems<br><br>Construction of Anahawin River Flood Control Structures, Phase 2, Calintaan, Occidental Mindoro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                    | <br><br>Organizational Outcome 2: Protect Lives and Properties Against Major Floods<br><br>Flood Management Program - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems<br><br>Construction of Anahawin River Flood Control Structures, Phase 2, Calintaan, Occidental Mindoro |                   |                        |
| Physical Target                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Unit Cost (P'000) | Allocation (P'000) | Physical Target                                                                                                                                                                                                                                                                                            | Unit Cost (P'000) | Estimated Cost (P'000) |
| CW1 - Construction of Flood Mitigation Structure:<br>205 l.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ₱ 125.11 / l.m    | ₱ 25,646.60        | CW1- Construction of Flood Mitigation Structure:<br><b>144 l.m</b>                                                                                                                                                                                                                                         | ₱ 178.10 / l.m    | ₱ 25,646.60            |
| EAO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                 | ₱ 523.40           | EAO                                                                                                                                                                                                                                                                                                        | -                 | ₱ 523.40               |
| <b>Total:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   | <b>₱ 26,170.00</b> | <b>Total:</b>                                                                                                                                                                                                                                                                                              |                   | <b>₱ 26,170.00</b>     |
| <b>Justification:</b><br>The decreased of physical target from 205 Lm. to 144 Lm. is due to the following: <ul style="list-style-type: none"><li>• Change in the design of flood control structure from gabion revetment to structural concrete revetment with concrete sheet piles to fit the actual field condition due to changes in the river course.</li><li>• Scarcity in the supply of boulders from the river sources due to massive flood control projects implemented by this District, the LGU's and the Provincial Government for the last two years and the current year.</li><li>• The preparation of Program of Work and DUPA was made consistent to the provision of D.O. No. 32, S. 2011.</li></ul><br>The increased in unit cost from P 125,110.00/lm to P 178,100.00/lm is due to the following: <ul style="list-style-type: none"><li>• The temperature bars used for concrete revetment (dike type) is 16mm dia. spaced at 200mm both ways.</li><li>• The thickness of concrete revetment (dike type) is 300mm with embankment inside and outside.</li><li>• The vertical height of concrete revetment (dike type) ranges from 4m to 5m with side slopes of 1:1.</li></ul> |                   |                    |                                                                                                                                                                                                                                                                                                            |                   |                        |

Based on our evaluation, the submitted request for modification of the said project is found in order. Hence, the said request is hereby recommended for Secretary's consideration and approval.

**ROBERTO R. BERNARDO**  
Undersecretary for Operations  
in Visayas, NCR and Region IV-B

**APPROVED/DISAPPROVED:**

**MARK A. VILLAR**  
Secretary

Department of Public Works and Highways  
Office of the Secretary



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