

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS OFFICE OF THE SECRETARY Bonifacio Drive, Port Area Manila



September 12, 2023

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## MEMORANDUM

FOR

MANUEL M. BONOAN

Secretary This Department

This refers to the memorandum dated September 8, 2023 of **DPWH Region XIII Director POL M. DELOS SANTOS,** requesting for the **modification** of the project under FY 2023 GAA, to wit;

<ul> <li>Deadman (9m), and 9.59% for earthwork activity, which has a total volume of 3,523.09 cubic meters.</li> <li>The high embankment requirement is necessary for this flood control structure since the project will protect the riverbank along Agusan River, the largest river in the region.</li> <li>The derived unit cost is based from the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).</li> </ul>	A	s per GAA/Origi	nal	As Modified			
Project ID : P00721661MN.       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 Structures of Agusan       Flood Control Structures of Agusan         River Basin (Bit-os Section) Package 4, Butuan City       Type of Work/       Unit Cost         Physical Target       Unit Cost       Allocation         Construction of Flood Mitigation of Flood Mitigation of Structures of Agusan       River Basin (Bit-os Section) Package 4, Butuan City         Type of Work/       Unit Cost       Allocation       Type of Work/       Unit Cost         Construction of Flood Mitigation of Structure/       P141,100.58/       P49,000,000.00       EXCISS       P760,301.76/         347.270 l.m.       P1,000,000.00       EAO       P 1,750,000.00       P 227,060.00         Structure/       Total       P50,000,000.00       EAO       P 1,750,000.00         Ochange in the physical target from 147.270 lineal meters to 53.163 lineal meters to surfice appropriated funds based on the actual condition of the project that is structurally designed as a two (2) berm dia with revement that is 3.0 meters high each berm to contemplate the highest flood mark.       Total       P50,000,000.00         •       The ingine mbankment requirement is necessary for this flood control structure size the project was thribued to 53.46% s	Project Description						
<ul> <li>Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers.</li> <li>Construction of Flood Control Structures of Agusan River Basin (Bit-os Section) Package 4, Butuan City</li> <li>Type of Work/ Physical Target</li> <li>Unit Cost</li> <li>Allocation</li> <li>Type of Work/ Physical Target</li> <li>Unit Cost</li> <li>Allocation</li> <li>P49,000,000.00</li> <li>Flood Mitigation Structure/</li> <li>P141,100.58/ I.m.</li> <li>P49,000,000.00</li> <li>Flood Mitigation Structure/</li> <li>P141,100.58/ I.m.</li> <li>P49,000,000.00</li> <li>Flood Mitigation Structure/</li> <li>P141,100.58/ I.m.</li> <li>P49,000,000.00</li> <li>EAO</li> <li>P141,200,000.00</li> <li>EAO</li> <li>P1,000,000.00</li> <li>EAO</li> <li>P1,000,000.00</li> <li>EAO</li> <li>P1,000,000.00</li> <li>EAO</li> <li>P50,000,000.00</li> <li>EAO</li> <li>P1,000,000.00</li> <li>EAO</li> <li>P1,000,000.00</li> <li>EAO</li> <li>P1,000,000.00</li> <li>EAO</li> <li>P1,000,000.00</li> <li>EAO</li> <li>P1,000,000.00</li> <li>EAO</li> <li>P50,000,000.00</li> <li>EAO</li> <li>P1,000,000.00</li> <li>EAO</li></ul>							
River Basin (Bit-os Section) Package 4, Butuan City       River Basin (Bit-os Section) Package 4, Butuan City,         Type of Work/ Physical Target       Unit Cost       Allocation       Type of Work/ Physical Target       Unit Cost       Estimated Cost         CW1 - Construction of Flood Mitigation Structure/       P141,100.58/ I.m.       P49,000,000.00       CW1 - Construction of Flood Mitigation Structure/       P760,301.76/ I.m.       P48,022,940.00         347.270 I.m.       P1,000,000.00       EAO       P 1,750,000.00       P 227,060.00         Structure/       Total       P50,000,000.00       EAO       P 1,750,000.00         Justification:       ////////////////////////////////////	- Construction/	Rehabilitation of	of Flood Mitigation	- Construction/	Rehabilitation of	f Flood Mitigation	
Type of Work/ Physical Target       Unit Cost       Allocation       Type of Work/ Physical Target       Unit Cost       Estimated Cost         CW1 - Construction of Flood Mitigation Structure/       P141,100.58/ I.m.       P49,000,000.00       Construction of Flood Mitigation Structure/       P760,301.76/ I.m.       P48,022,940.00         347.270 I.m.       P1,000,000.00       EAO       P1,750,000.00       P1,750,000.00         Construction of Flood Mitigation       P1,000,000.00       EAO       P1,750,000.00         Total       P50,000,000.00       EXCESS       P1,750,000,000.00         Other actual condition of the project that is structurally designed as a two (2) berm dike with revetment that is 3.0 meters high each berm to contemplate the highest flood mark.       The increase in unit cost was attributed to 55,46% steel sheet pilling (36m deep) at each coping, 6.36% H-pile for Deadman (9m), and 9.59% for earthwork activity, which has a total volume of 3,523.09 cubic meters.         The high embankment requirement is necessary for this flood control structure since the project will protect the riverbank along Agusan River, the largest river in the region.       The derived unit cost is based from the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).         Attached are the following supporting documents:       Certificate of Aesonableness of Cost Estimate, Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAF), Certificate of Reasonableness of Unit Cost, BP202, PIA, Flood Control Checklist, Geotagged photos, and Loc							
CW1 -       CW1 -       Construction of Flood Mitigation Structure/       P141,100.58/       P49,000,000.00       CW1 -       Construction of Flood Mitigation Structure/       P760,301.76/       P48,022,940.00         347.270 I.m.       63.163 I.m.,       P1,000,000.00       EAO       P 1,750,000.00       P 227,060.00         Total       P50,000,000.00       EAO       P 227,060.00       P 227,060.00       P 227,060.00         Justification:       ////////////////////////////////////	Type of Work/			Type of Work/			
EAO       P1,000,000.00       EAO       P 1,750,000.00         Total       P50,000,000.00       EXCESS       P50,000,000.00         Justification:       View       View       P50,000,000.00         • Change in the physical target from 147.270 lineal meters to 63.163 lineal meters to sur the appropriated funds based on the actual condition of the project that is structurally designed as a two (2) berm dike with revetment that is 3.0 meters high each berm to contemplate the highest flood mark.         • The increase in unit cost was attributed to 65.46% steel sheet piling (36m deep) at each coping, 6.36% H-pile for Deadman (9m), and 9.59% for earthwork activity, which has a total volume of 3,523.09 cubic meters.         • The high embankment requirement is necessary for this flood control structure since the project will protect the riverbank along Agusan River, the largest river in the region.         • The derived unit cost is based from the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).         • Attached are the following supporting documents: Certificate of Availability of Funds (CAF), Certificate of Reasonableness of Unit Cost, BP202, PIA, Flood Control Checklist, Geotagged photos, and Location Map.         • The change in total amount of the project was reduced from Php 50,000,000.00 to Php 49,003,000.00 as the result of the evaluation on the construction cost of the project by the Bureau of Construction dated July 31, 2023 (see attached). Hence, there is an excess amount of Php227,060.00         • The change in total amount of the Regional Office XIII which is centrally managed; thus, the EAO cost was changed in conformity with the FY 2023	CW1 – Construction of Flood Mitigation		₱49,000,000.00	Construction of Flood Mitigation		₱48,022,940.00	
<ul> <li>Total P50,000,000,00</li> <li>Total Control of the project that is structurally designed as a two (2) berm dike with revetment that is 3.0 meters high each berm to contemplate the highest flood mark.</li> <li>The increase in unit cost was attributed to 65.46% steel sheet piling (36m deep) at each coping, 6.36% H-pile for Deadman (9m), and 9.59% for earthwork activity, which has a total volume of 3,523.09 cubic meters.</li> <li>The high embankment requirement is necessary for this flood control structure since the project will protect the riverbank along Agusan River, the largest river in the region.</li> <li>The derived unit cost is based from the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).</li> <li>Attached are the following supporting documents: Certificate of Reasonableness of Cost Estimate, Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAF), Certificate of Reasonableness of Unit Cost, BP202, PIA, Flood Control Checklist, Geotagged photos, and Location Map.</li> <li>The change in total amount of the project was reduced from Php 50,000,000.00 to Php 49,003,000.00 as the result of the evaluation on the construction cost of the project SUI the Bureau of Construction dated July 31, 2023 (see attached). Hence, there is an excess amount of Php227,060.00</li> <li>The project has been delegated to Regional Office XIII which is centrally managed; thus, the EAO cost was changed in conformity with the FY 2023 General Appropriations Act, R.A. No. 11936 for DPWH Special Provisions under Item No. 15 Project Related Expenses, where the DPWH is authorized to deduct 3.5% for release to the Central Office for EAO</li> </ul>					NOLEV'		
<ul> <li>Total P50,000,000.00</li> <li>Total P50,000,000.00</li> <li>Total P50,000,000.00</li> <li>Justification:</li> <li>Change in the physical target from 147.270 lineal meters to 63.163 lineal meters to surplue appropriated funds based on the actual condition of the project that is structurally designed as a two (2) berm dike with revetment that is 3.0 meters high each berm to contemplate the highest flood mark.</li> <li>The increase in unit cost was attributed to 65.46% steel sheet piling (36m deep) at each coping, 6.36% H-pile for Deadman (9m), and 9.59% for earthwork activity, which has a total volume of 3,523.09 cubic meters.</li> <li>The high embankment requirement is necessary for this flood control structure since the project will protect the riverbank along Agusan River, the largest river in the region.</li> <li>The derived unit cost is based from the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).</li> <li>Attached are the following supporting documents: Certificate of Reasonableness of Cost Estimate, Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAF), Certificate of Reasonableness of Unit Cost, BP202, PIA, Flood Control Checklist, Geotagged photos, and Location Map.</li> <li>The change in total amount of the project was reduced from Php 50,000,000.00 to Php 49,003,000.00 as the result of the evaluation on the construction cost of the project by the Bureau of Construction dated July 31, 2023 (see attached). Hence, there is an excess amount of Php227,060.00</li> <li>The project has been delegated to Regional Office XIII which is centrally managed; thus, the EAO cost was changed in conformity with the FY 2023 General Appropriations Act, R.A. No. 11936 for DPWH Special Provisions under Item No. 15 Project Related Expenses, where the DPWH is authorized to deduct 3.5% for release to the Central Office for EAO</li> </ul>	EAO	-	₱1,000,000.00	1			
<ul> <li>Dustification:</li> <li>Change in the physical target from 147.270 lineal meters to 63.163 lineal meters to surfue appropriated funds based on the actual condition of the project that is structurally designed as a two (2) berm dike with revetment that is 3.0 meters high each berm to contemplate the highest flood mark.</li> <li>The increase in unit cost was attributed to 65.46% steel sheet piling (36m deep) at each coping, 6.36% H-pile for Deadman (9m), and 9.59% for earthwork activity, which has a total volume of 3,523.09 cubic meters.</li> <li>The high embankment requirement is necessary for this flood control structure since the project will protect the riverbank along Agusan River, the largest river in the region.</li> <li>The derived unit cost is based from the approved Program of Works (POW) and Detailed Unit Price Analysis (DUPA).</li> <li>Attached are the following supporting documents: Certificate of Reasonableness of Cost Estimate, Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAF), Certificate of Reasonableness of Unit Cost, BP202, PIA, Flood Control Checklist, Geotagged photos, and Location Map.</li> <li>The change in total amount of the project was reduced from Php 50,000,000.00 to Php 49,003,000.00 as the result of the evaluation on the construction cost of the project by the Bureau of Construction dated July 31, 2023 (see attached). Hence, there is an excess amount of Php227,060.00</li> <li>The project has been delegated to Regional Office XIII which is centrally managed; thus, the EAO cost was changed in conformity with the FY 2023 General Appropriations Act, R.A. No. 11936 for DPWH Special Provisions under Item No. 15 Project Related Expenses, where the DPWH is authorized to deduct 3.5% for release to the Central Office for EAO</li> </ul>		Total	BE0 000 000 00	Chi ALESS C	- Total		
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Page 2 of 2

Based on our evaluation, the submitted request for project modification is in order, hence, it is respectfully recommended to the Secretary for his consideration and approval.

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**REY PETER B. GILLE, D.M.** Assistant Secretary for Regional Operations In CAR, Regions I, II, IX, X, XI, XII and XIII

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MARIA CATALINA E. CABRAL, Ph.D., CESO I Undersecretary for Planning and PPP Services

APPROVED/<del>DISAPPROVED</del>:

MANUEL M. BONOAN Secretary

2.3 LDAM/AVS/RPBG/ERP

Department of Public Works and Highways Office of the Secretary



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