



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

April 25, 2023

MEMORANDUM

FOR : **MANUEL M. BONOAN**
Secretary
This Department

This refers to the memorandum dated 20 April 2023 of **DPWH Region IX Director CAYAMOMBAO D. DIA, CESO III**, requesting for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No. 310204102145000 Project ID: P00706817MN					
001: Ensure Safe and Reliable National Road System – Network Development - Construction of Bypass and Diversion Roads			001: Ensure Safe and Reliable National Road System – Network Development - Construction of Bypass and Diversion Roads		
NRJ Sangali Bypass Road, Package 2, Zamboanga City			NRJ Sangali Bypass Road, Package 2, Zamboanga City		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Concrete Road/ 6.412 Lane-km	₱ 21,069,869.00 /lane-km	₱ 135,100,000.00	CW1- Construction of Concrete Road/ 2.858 lane-km	₱ 47,470,007.98 /Lane-km	₱ 135,669,282.81
ROW Acquisition 30,585.240 sq.m.	₱ 315.51/sq.m	₱ 9,650,000.00	ROW Acquisition 9,080.72 sq.m.	₱ 1,000.00 /sq.m.	₱ 9,080,717.19
EAO	–	₱ 5,250,000.00	EAO	–	₱ 5,250,000.00
Total:		₱ 150,000,000.00	Total:		₱ 150,000,000.00

Justification:

- The decrease in physical target /increase in unit cost is due to;
 - ✓ The road project traverses along rice field and mountainous terrain and requires adjustment on horizontal and vertical alignment to meet the DPWH Design Guidelines and Criteria.
 - ✓ It involves the removal of unsuitable materials with varying height below natural grade line and replacement of huge volume of Item 104(5) Boulder Fill and embankment from borrow to stabilize the base foundation.
 - ✓ The massive Earthworks constitute 40.34% (₱ 54,723,262.56) of the total project cost. It includes huge volume of Item 104(5) Boulder fill (₱ 20,126,293.30), Item 104(2)d Embankment from Borrow (₱ 17,536,314.83), Item 104(1)a Embankment from Roadway Excavation (₱ 10,202,075.49) and Item 102(1) Unsuitable excavation (₱ 4,119,315.48).
 - ✓ The road design also includes 127.015 square meters of Grouted Riprap with a design thickness of 300mm to prevent the road embankment and granular/boulder fill course from scouring/erosion.
 - ✓ Miscellaneous structures such as reflectorized thermoplastic pavement markings, guardrails including post, warning signs, internally illuminated pavement levelled marker and solar LED Roadway Lighting which contributed to the increase in cost per kilometer of the road project.
- The ROW Acquisition coverage lessen due to decrease in physical target of the road project. ✓
- The derived unit cost for ROW Acquisition is based on the prevailing market values in the locality. ✓

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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

EUGENIO R. PIPO, JR.

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

APPROVED/DISAPPROVED:

MANUEL M. BONOAN

Secretary

Department of Public Works and Highways
Office of the Secretary



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