



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



BAGONG PILIPINAS

November 9, 2023

MEMORANDUM

DPWH-ABRA, PMU
RECEIVED
FILE CODE: RECORDS CODE:
DATE: 11-09-23

TO :
KHADAFFY D. TANGGOL
Regional Director
DPWH-CAR
Engineer's Hill, Baguio City

ATTENTION :
JOSELITO T. ARAO
District Engineer
Abra District Engineering Office
Bangued, Abra

Transmitted herewith are the **APPROVED** requests for the **modification** of hereunder stated projects:

1. OO2: Protect Lives and Properties Against Major Floods, Construction/Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal River, Construction of Bangbangcag Flood Control, Bucay, Abra - - - **P100,000,000.00**
2. OO2: Protect Lives and Properties Against Major Floods, Construction/Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal River, Construction of Flood Control Structure along Abra Major River Basin, Barangay Palaquio, Bucay, Abra - - - **P150,000,000.00**

Please be reminded that all approved modifications **shall be posted in the DPWH website within five (5) days** from its approval. Failure to comply with this requirement shall be dealt with accordingly.

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

2.3 mksa/OAL/RPBG/ERP



Programming Division Evaluation Sheet

Name of Project:

Construction of Flood Control Structure along Abra Major River Basin, Barangay Palaquiao, Bucay, Abra

Project ID: **P007263851Z**

Appropriation: 150,000,000

Date: 10/09/2023

Implementing Office:

Abra District Engineering Office

A. TYPE OF REQUEST

A.1 ☐ **Change in Implementing Office/Operating Unit due to**

A.1.1 ☐ Geographical Jurisdiction

A.1.2 ☐ Approval of Authority to Bid/Implement

A.2 ☒ **PROJECT MODIFICATION/ADJUSTMENTS**

A.2.1 ☐ Typographical Error/s

A.2.2 ☐ Change in Location (for non-existent locations only)

A.2.3 ☐ Change in Station Limits

A.2.4 ☐ Addition/Deletion of Word/s

A.2.5 ☐ Change in Project Component/s Details

A.2.5.1 ☒ Change in Targets

Change in Scope of Work

from _____ to _____

A.2.5.3 ☐ Change in Component Amount

A.2.5.4 ☐ Addition of Component (incl. EXC Component)

A.2.5.5 ☐ Deletion of Component

A.2.5.6 ☐ Movement of Funds between Components

B. EVALUATION

B.1 ☒ ALLOWED as per the GAA Provisions

B.2 ☐ NOT ALLOWED as per the GAA Provisions

C. FUND SOURCE FY 2023 GAA, R.A. 11936

C.1 ☐ for issuance of SARO (☐ Released ☐ Unreleased)

C.2 ☒ released thru GAAAO

Amount: _____

150,000,000

D. IMPACT:

D.1 Condition/s:

- % decrease in unit cost

164.03 % Increase in unit cost

-62.62 % decrease in physical target

- % Increase in physical target

D.2 ☐ Additional Project Component

D.3 ☒ Certificate of Cost Reasonableness by RD ✓

D.4 Remarks: Change in targets with **164.03%** Increase in unit Cost. Reviewed by BOC dated September 22, 2023: reduced amount from Pnp150,000,000.00 to **Pnp142,842,255.02** and an excess amount of **Pnp1,976,937.80**
142,842,255.02

E. Approving Authority as per D.O. 13, s. 2023, Guidelines on Modification of Allotment under the GAA

E.1 ☐ Undersecretary for Operations

E.2 ☒ Secretary

Evaluated By:

ALEX S BOTE

Director, Planning Service

Noted By:

CONSTANTE A. ALLANES, JR., CESO III

Assistant Secretary for Planning Service

Project ID: **P007263851Z**

FOR SECRETARY MANUEL M. BONOAN OR _____

ACTION SLIP

Date: _____

REMARKS:

☒ Reviewed by Planning Service
☐ Recommended for Approval
Remarks: _____

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

Undersecretary for Planning and PPP Services



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



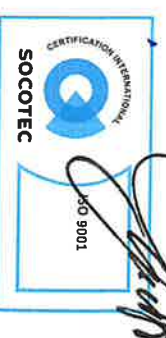
October 5, 2023

MEMORANDUM

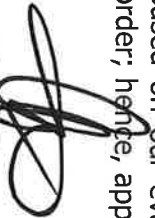
FOR : **MANUEL M. BONOAN**
Secretary
This Department

This refers to the memorandum dated 8 September 2023 of **DPWH CAR Regional Director KHADAFY D. TANGGOL**, endorsing the request of District Engineer **JOSELITO T. ARAO** of **Abra District Engineering Office** for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original				As Modified		
Project Description						
UACS No.:320102105205000 Project ID:P00726385LZ						
OO2: Protect Lives and Properties Against Major Floods, Construction/Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal River, Construction of Flood Control Structure along Abra Major River Basin, Barangay Palaquio, Bucay, Abra				OO2: Protect Lives and Properties Against Major Floods, Construction/Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal River, Construction of Flood Control Structure along Abra Major River Basin, Barangay Palaquio, Bucay, Abra		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost	
CW1- Construction of Flood Mitigation Structure / 1230.745l.m.	₱ 117,611.69/ l.m.	₱144,750,000.00	CW1- Construction of Flood Mitigation Structure/ 460.00l.m.	₱ 310,526.64/ l.m.	₱ 142,842,255.02	
EAO	-	₱5,250,000.00	EAO	-	₱ 5,180,807.18	
				Excess:	₱1,976,937.80	
Total: ₱150,000,000.00				Total:	₱150,000,000.00	
Justification: <ul style="list-style-type: none">The increase in unit cost which resulted to the decrease in the physical target is due to the usage of a reinforced concrete dike type of flood mitigation structure with steel sheet piles consisting of 48.85% of the project direct cost. The usage of <u>steel sheet piles</u> is necessary to prevent scouring and possible failure along the foundation of the proposed flood mitigation structure and ensure over-all stability of the project area.The huge/massive rock embankment, and concrete pile cap and cut-off wall consisting of 42.95% and 3.55% of the project cost respectively, also contributed to the high unit cost of the project.The derived unit cost is based on the approved Detailed Unit Price Analysis (DUPA) and Program of Works (POW) with reference to the evaluation made by the Bureau of Construction as per memorandum dated September 22, 2023.See attached Cross-Section Drawing of the Project Submitted by the District Engineer, and the Certificate of Reasonableness of Cost Estimates signed by the Regional Director.						



Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.



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

RECOMMENDING APPROVAL:

*Subject to further CAR
Undersecretary*

MARIA CATALINA E. CABRAL, Ph.D., CESO I
Undersecretary for Planning
and Public-Private Partnership Services



EBGENIO R. PIPO, JR.
Undersecretary for Regional Operations
in CAR, Regions I, II, IX, X, XI, XII, and XIII

APPROVED / ~~DISAPPROVED~~:



MANUEL M. BONOAN
Secretary

2.3 mksa/MLS/AVS/RPBG/ERP

Department of Public Works and Highways
Office of the Secretary



WIN3E03208



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



October 5, 2023

MEMORANDUM

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

This refers to the memorandum dated 8 September 2023 of **DPWH CAR Regional Director KHADAFFY D. TANGGOL**, endorsing the request of District Engineer **JOSELITO T. ARAO** of **Abra District Engineering Office** for the **modification** of the project under FY 2023 GAA, to wit;

As per GAA/Original			As Modified		
Project Description					
UACS No.:320102105205000 Project ID:P00726385LZ					
OO2: Protect Lives and Properties Against Major Floods, Construction/Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal River, Construction of Flood Control Structure along Abra Major River Basin, Barangay Palaquio, Bucay, Abra			OO2: Protect Lives and Properties Against Major Floods, Construction/Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal River, Construction of Flood Control Structure along Abra Major River Basin, Barangay Palaquio, Bucay, Abra		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Flood Mitigation Structure / 1230.745l.m.	₱ 117,611.69/ l.m.	₱144,750,000.00	CW1- Construction of Flood Mitigation Structure/ 460.00l.m.	₱ 310,526.64/ l.m.	₱ 142,842,255.02
EAO	-	₱5,250,000.00	EAO	-	₱ 5,180,807.18
			Excess:		₱1,976,937.80
Total:		₱150,000,000.00	Total:		₱150,000,000.00
Justification:					
<ul style="list-style-type: none">The increase in unit cost which resulted to the decrease in the physical target is due to the usage of a reinforced concrete dike type of flood mitigation structure with steel sheet piles consisting of 48.85% of the project direct cost. The usage of steel sheet piles is necessary to prevent scouring and possible failure along the foundation of the proposed flood mitigation structure and ensure over-all stability of the project area.The huge/massive rock embankment, and concrete pile cap and cut-off wall consisting of 42.95% and 3.55% of the project cost respectively, also contributed to the high unit cost of the project.The derived unit cost is based on the approved Detailed Unit Price Analysis (DUPA) and Program of Works (POW) with reference to the evaluation made by the Bureau of Construction as per memorandum dated September 22, 2023.See attached Cross-Section Drawing of the Project Submitted by the District Engineer, and the Certificate of Reasonableness of Cost Estimates signed by the Regional Director.					



Based on our evaluation, the submitted request for modification of the said project is in order; hence, approval hereof is recommended.


REY PETER B. GILLE, D.M.

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

2.3 mksa/MLS/AVS/RPBG/ERP



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CORDILLERA ADMINISTRATIVE REGION
Engineer's Hill, Baguio City



BAGONG PILIPINAS

September 9, 2023

MEMORANDUM

FOR : MANUEL M. BONOAN
Secretary

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

SUBJECT : Request for the Modification of the Project: ORGANIZATIONAL OUTCOME 2 : Protect Lives and Properties Against Major Floods - Flood Management Program - Construction / Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers - Construction of Flood Control Structure along Abra Major River Basin, Barangay Palaquio, Bucay, Abra

We are respectfully forwarding the Memorandum dated September 7, 2023 from **District Engineer JOSELITO T. ARAO, Abra District Engineering Office**, of the above project in the amount of **One Hundred Fifty Million Pesos (Php 148,023,062.20)** as indicated below:

	As per GAA/Original	As Modified
Project ID	P00726385LZ	
UACS	320102105205000	
Physical Target	1230.745 Lineal meters	460.000 Lineal meters

The supporting documents based on D.O. No. 23, series of 2023 are attached for your ready reference.

For the consideration of the Secretary.


KHADAFY D. TANGGOL
Regional Director

CAR.1 TPIL/EFD/JWC/ABM

Modification Request Form

A. GENERAL				
1. REGION		2. DEO		3. LEGISLATIVE DISTRICT
Cordillera Administrative Region		Abra District Engineering Office		Abra Lone District
B. ORIGINAL PROJECT		C. PROPOSED REVISED PROJECT		
4. UACS (Unified Account Code Structure as defined in GAA) 320102105205000				
5. Project Id P007263851Z				
6. Project Category 002: Protect Lives and Properties				
7. Sub-Program (P/A/P) Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers				
8. Operating Unit Central Office		18. Operating Unit (Change subject to DBM approval) Central Office		
9. Type of Work (Enter Details for all Components below)		19. Type of Work (Enter Details for all Components below)		
Component ID	Type of Work	Component ID	Type of Work	
CW1	Construction of Flood Mitigation Structure	CW1	Construction of Flood Mitigation Structure	
EA0	Choose an item.	EA0	Choose an item.	
Click here to enter text.	Choose an item.	Click here to enter text.	Choose an item.	
Click here to enter text.	Choose an item.	Click here to enter text.	Choose an item.	
10. PROJECT DESCRIPTION (as recorded in GAA) Construction of Flood Control Structure along Abra Major River Basin, Barangay Palaquio, Bucay, Abra		20. PROJECT DESCRIPTION (of the revised project) Construction of Flood Control Structure along Abra Major River Basin, Barangay Palaquio, Bucay, Abra		
11. ALLOTMENT (P'000) (as recorded in GAA) 150000		21. REVISED ESTIMATED COST (P'000) (Equal to, or lower than GAA allotment) 150000	22. CAF (To be obtained from Financial Management office) <input type="checkbox"/> YES	
12. PHYSICAL TARGET (Enter Details for all Components below)				
Component ID	Target	Target Unit	Component ID	Target
CW1	1230,745	Lineal Meters (lm)	CW1	460.00
EA0	Click here to enter text.	Choose an item.	EA0	Click here to enter text.
Click here to enter text.	Click here to enter text.	Choose an item.	Click here to enter text.	Choose an item.
Click here to enter text.	Click here to enter text.	Choose an item.	Click here to enter text.	Choose an item.
13. UNIT COST (Enter Details for all Components below)				
Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)	Component ID	Component Cost (P'000)
CW1	144750	117.61169	CW1	142842,25302
EA0	5250	Click here to enter text.	EA0	5180,80718
Click here to enter text.	Click here to enter text.	Click here to enter text.	PHYSICAL RESERVE	1976,93780
24. UNIT COST (Enter Details for all Components below)				
Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)	Component ID	Component Cost (P'000)
CW1	144750	117.61169	CW1	142842,25302
EA0	5250	Click here to enter text.	EA0	5180,80718
Click here to enter text.	Click here to enter text.	Click here to enter text.	PHYSICAL RESERVE	1976,93780

Modification Request Form

Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

14. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014)
[Click here to enter text.](#)

Start X	120.736	End X	120.737
Start Y	17.5593	End Y	17.563

15. ROAD CLASSIFICATION (if applicable)
 Choose an item.

Start X	120.736	End X	120.737
Start Y	17.5593	End Y	17.563

16. IMPLEMENTING OFFICE (Record the Implementing Office of the original project)
 Abra District Engineering Office

17. PROJECT IMPLEMENTATION PLAN (PIP)

Planned Start Date	Planned End Date
October 2, 2023	July 23, 2024

25. PROJECT WORK LOCATION (Must be defined in strict accordance with DO 65 Series 2014. Also complete "ANNEX A" for National Road projects under 00-1)
[Click here to enter text.](#)

26. ROAD CLASSIFICATION (if applicable)
 Choose an item.

27. IMPLEMENTING OFFICE (Record the Implementing Office of the proposed revised project)
 Abra District Engineering Office

28. PROJECT IMPLEMENTATION PLAN (PIP)

Planned Start Date	Planned End Date
October 2, 2023	July 23, 2024

29. OVERLAP? ☒ NO ☐ YES

30. UNDER WARRANTY? ☒ NO ☐ YES

D. ATTACHMENTS & JUSTIFICATIONS

31. PROJECT IMPACT ANALYSIS ATTACHED? (For Flood Control Projects)

☒ NO ☐ YES ☐ N/A

32. TECHNICAL JUSTIFICATION (Explain in detail in Bullet point format; minimum of 2 points)

- The increase in unit cost which resulted to the decrease in the physical target is due to the usage of a reinforced concrete dike type of flood mitigation structure with steel sheet piles consisting of 48.85% of the project direct cost. The steel sheet piles are necessary to prevent scouring and possible failure along the foundation of the proposed mitigation and ensure over-all stability of the project area.
- Also, the huge/massive rock embankment consisting of 42.95% of the project cost contributed to the high unit cost of the project.
- The derived unit cost is based on the approved Detailed Unit Price Analysis (DUPA) and Program of Works (POW) with reference to the evaluation made by the Bureau of Construction as per memorandum dated September 22, 2023.
- See attached Cross-Section Drawing of the Project Submitted by the District Engineer, and the Certificate of Reasonableness of Cost Estimates signed by the Regional Director.

33. PHOTOS SUBMITTED

☐ NO ☒ YES

34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED

☐ NO ☒ YES

Modification Request Form

35. PREPARED BY:			
Name:	MELGIE JES D. JAVIER	Position:	ENGINEER II
Office:	Abra District Engineering Office	Date:	Click here to enter a date.
36. REVIEWED BY DISTRICT OFFICE (if Required)		38. REVIEWED BY REGIONAL OFFICE	
Name:	CHONA LUISA A. RAMOS	Name:	ANGELITA B. LABITAZAN
Position:	Chief, Planning and Design Section	Position:	Chief, Planning and Design Division
Date:		Date:	
37. RECOMMENDED BY DISTRICT OFFICE (if Required)		39. RECOMMENDED BY REGIONAL OFFICE	
Name:	JOSEATO T. ARAO	Name:	KHADA P. TANGCOL
Position:	District Engineer	Position:	Regional Director
Date:		Date:	

Modification Request Form

UACS (Unified Account Code Structure as defined in GAA)

320102105205000

Project Id

P00726385LZ

40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS

Primary Reason for Request (based on Category of Modification): (choose one)

Category A	Category B	Category C	Category D	Impact
<input type="checkbox"/> Typographical error on Project Description	<input type="checkbox"/> Overlapping Sections <input type="checkbox"/> Change in Station Limits <input type="checkbox"/> Change in Physical Target	<input type="checkbox"/> No such Barangay <input type="checkbox"/> No such City or Municipality	<input type="checkbox"/> Change in (IO), requiring a change in the (OU)	<input type="checkbox"/> No change or decrease in unit cost <input type="checkbox"/> 20% or less increase in unit cost <input type="checkbox"/> > 20% increase in unit cost

Reviewed by Office of the Undersecretary for Operations

Name:	Engr. MANUEL L. SINGSON	Engr. ANTONIO V. SOBREVÍÑAS, JR.
Signature		
Position:	Project Manager I	Project Manager III
Date:	10/6/23	10/5/23

41. DPWH PLANNING SERVICE

Category of Modification
(please check the appropriate)

- ☐ Category A – Typographical Error
- ☐ Category B – Change in Station Limits
- ☐ Category C – Change in Location, due to non-existing location
- ☐ Category D – Change in Operating Unit (requires DBM approval)
- ☐ Modification does not comply with DBM Categories

Reviewed by Planning Service

Name:	ANNA ANDREA M. NOCHE	Name:	PETER PAUL R. CORTEZ
Signature		Signature:	
Position:	CAR-Regional Coordinator	Position:	Chief of Programming Division
Date:	10/09/23	Date:	