			20	1 Dar	te of Evaluation:		04/04/2024
		P/A/P 1 (001,	002, CSSP, LP):		Appropriation Source:	F	Y 2024 GAA
ORG/	ANIZATI	ONAL OUTCOME 2 : Protect	: Lives and Properties Aga	inst Major Floods	UACS:	320:	102106133000
		P/A/P 2	(Program):		Project ID:	Pt	00821538LZ
		Flood <b>M</b> anage	ement Program		Region:	Cordillera .	Administrative Re
		P/A/P 3 (St	Implementing Office:	Regio	onal Office - CAR		
Construct	tion/ Re	habilitation of Flood Mitiga Princip	ation Facilities within Ma al Rivers	jor River Basins and			50,000,000
of Project	t per GA	A:					
Co	nstruc	tion of Flood Control St	ructure along Lamut I	River, Sta. 18+90	0 - Sta. 19+70	0, Lawig, L	amut, Ifugao
A Justific	menting cation fo cation:	Office immediate flood mit areas  • The increase in un	ion limit is due to the priori igation structure to prevent it cost/ decrease in the phy , as recommended by the d	flooding and bank coll sical target of CW1 is	lapse along resider	ntial areas and	vegetable produ
A.1	1	Certificate of Reasonableness	of Cost Estimate	nadaffy D. Tanggol	dated	March 14, 2	2024 A
B. PER F	PLANNT	' / ' NG SERVICE EVALUATION			+		'
B.1		PROJECT MODIFICATION	ON PROJECT DESCRIPT	TON			
2[							
	B.1.1	Typographical Error/		B.1.3 Change	in Station Limits		
	B.1,2	only)	for <u>non-existent locations</u>	B.1.4 Addition	/ Deletion of Word	l/s	
B.2	1	PROJECT MODIFICATION	/ADJUSTMENTS ON PRO	TECT COMPONENTS			
[	B.2.1	✓ Change in Targets					
		Landinge in range a		Change in Component			
	B.2.2	Change in Scope of V	}		nponent (including	excess amour	it)
			B.2.3.2	Deletion of Con	nponent		
			8.2.3.3	Movement of Fe	unds between Com	rponents	
C. RESU	LTANT	AFTER MODIFICATION					
C.1		Additional Project Component	t/s				
	Сопроп		t/s 				
				TARGE	<u> </u>	INCRE, DECREAS	
	Compon COMP	SCOPE OF	WORK TO	TARGE FROM	:T		
		ent/s: SCOPE OF	WORK			DECREAS	SE (%)
	COMP	SCOPE OF FROM Construction of Flood Mitigation	WORK TO Construction of Flood	FROM	то	Unit Cost	SE (%) Target
	COMP CW1 CW2	SCOPE OF FROM  Construction of Flood Mitigation Structure	WORK TO Construction of Flood	FROM	TO 675 lm	Unit Cost	SE (%) Target
	COMP	SCOPE OF FROM  Construction of Flood Mitigation Structure	WORK TO Construction of Flood	FROM	TO 675 lm	Unit Cost	SE (%) Target
C.2	CW1 CW2 CW3 CW4	SCOPE OF FROM Construction of Flood Mitigation Structure -	WORK TO Construction of Flood	FROM 800 lm	TO 675 lm - -	Unit Cost	SE (%) Target
C.2	COMP CW1 CW2 CW3 CW4	FROM  Construction of Flood Mitigation Structure	TO  Construction of Flood Mitigation Structure	FROM 800 lm	TO 675 lm - -	Unit Cost	SE (%) Target
C.2  C.2  D. AS EVA	COMP CW1 CW2 CW3 CW4	FROM Construction of Flood Mitigation Structure	WORK TO Construction of Flood Mitigation Structure	FROM 800 lm	TO 675 lm - -	Unit Cost	SE (%) Target
D. AS EVA	COMP CW1 CW2 CW3 CW4 ALUATE	FROM Construction of Flood Mitigation Structure  ALLOWED as per the GAA Pro- NOT ALLOWED as per the GA	WORK TO Construction of Flood Mitigation Structure ovisions A Provisions	FROM 800 lm	TO 675 lm - -	Unit Cost	SE (%) Target
D. AS EVA	COMP CW1 CW2 CW3 CW4 ALUATE	FROM Construction of Flood Mitigation Structure	WORK TO Construction of Flood Mitigation Structure ovisions A Provisions	FROM 800 lm	TO 675 lm - -	Unit Cost	SE (%) Target
D. AS EVA	COMP CW1 CW2 CW3 CW4 ALUATE	FROM Construction of Flood Mitigation Structure  ALLOWED as per the GAA Pro- NOT ALLOWED as per the GA	WORK TO Construction of Flood Mitigation Structure  -  ovisions A Provisions Service): Flood Control Project - Imm	FROM 800 im	TO 675 lm	DECREAS Unit Cost 18.52%	SE (%) Target
D. AS EVA	COMP CW1 CW2 CW3 CW4 ALUATE	FROM Construction of Flood Mitigation Structure  ALLOWED as per the GAA Pro NOT ALLOWED as per the GA (to be filled-up by Planning S Change in Station Limits of	WORK TO Construction of Flood Mitigation Structure  -  ovisions A Provisions Service): Flood Control Project - Imm	FROM 800 im	TO 675 lm	DECREAS Unit Cost 18.52%	SE (%) Target
D. AS EVA D.1 D.2 D.3	COMP CW1 CW2 CW3 CW4 ALUATE	FROM  Construction of Flood Mitigation Structure  ALLOWED as per the GAA Pro NOT ALLOWED as per the GA  (to be filled-up by Planning S  Change in Station Limits of within 20% increase in Unit  No change in PDM	TO Construction of Flood Mitigation Structure  ovisions A Provisions Service): Flood Control Project - Imm Cost	FROM 800 im	TO 675 Im CONSTANT	DECREAS Unit Cost 18.52%	Target -15.63%
D. AS EVA D.1 D.2 D.3 J	COMP CW1 CW2 CW3 CW4 ALUATE  Remarks	FROM  Construction of Flood Mitigation Structure  D  ALLOWED as per the GAA Pro NOT ALLOWED as per the GA to be filled-up by Planning S  Change in Station Limits of within 20% increase in Unit No change in PDM  d By:	Construction of Flood Mitigation Structure	PROM 800 im	TO 675 Im  CONSTANT Assistant	DECREAS Unit Cost 18.52%	Target -15.63%
D. AS EV/ D.1 D.2 D.3 J	COMP CW1 CW2 CW3 CW4 ALUATE  Remarks	FROM Construction of Flood Mitigation Structure	Construction of Flood Mitigation Structure	PROM 800 im	TO 675 Im  CONSTANT Assistant	DECREAS Unit Cost 18.52%	Target -15.63%
D. AS EVA D.1 D.2 D.3 J	COMP CW1 CW2 CW3 CW4 ALUATE  Remarks	FROM  Construction of Flood Mitigation Structure  D  ALLOWED as per the GAA Pro NOT ALLOWED as per the GA to be filled-up by Planning S  Change in Station Limits of within 20% increase in Unit No change in PDM  d By:	Construction of Flood Mitigation Structure	PROM 800 im	TO 675 Im  CONSTANT Assistant	DECREAS Unit Cost 18.52%	Target -15.63%
D. AS EV/ D.1 D.2 D.3 I	COMP CW1 CW2 CW3 CW4 ALUATE  / Remarks	FROM Construction of Flood Mitigation Structure	TO Construction of Flood Mitigation Structure  -  ovisions A Provisions Gervice): Flood Control Project - Imm Cost  ALENG, BOTE Cost  ved Guidelines on Modif	PROM 800 im	TO 675 Im  CONSTANT Assistant	DECREAS Unit Cost 18.52%	Target -15.63%

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

Manila



March 18, 2024

#### MEMORANDUM

FOR

EUGENIO R. PIPO, JR.

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

This refers to the memorandum dated 15 March 2024 of DPWH CAR Regional Director KHADAFFY D. TANGGOL, requesting for the modification of the project under FY 2024 GAA, to wit;

A	s per GAA/Orio	ginal		As Modified	
			Description		
UACS No.: 320102106133000 Project ID: P00821538LZ					
OO2: Protect Lives and Properties Against Major Floods – Flood Management - Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers  Construction of Flood Control Structure along Lamut River, Sta. 18+900 - Sta. 19+700, Lawig, Lamut, Ifugao			Flood Managemer Flood Mitigation F Principal Rivers Construction of Flo	s and Properties Ag nt - Construction/ Ro acilities within Majo bood Control Structu 25 - Sta. 19+570	r River Basins and re along Lamut
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1- Construction of Flood Mitigation Structure / . 800 Lineal Meters	₱ 60,312.50/ Lineal Meters	₱ <b>48,250,000.00</b>	CW1- Construction of Flood Mitigation Structure / 675 Lineal Meters	₱ <b>71,481.48</b> / Lineal Meters	₱ 48,250,000.00
EAO	_	₱ 1,750,000.00 -	EAO	_	₱ 1,750,000.00.
Instituation	Total:	₱50,000,000.00	Honorday	Total:	₱ 50,000,000.00

Justification: \*\* 32% (Change in Station Limits in the Project Description and Decrease in physical target for CW1 - Construction of Flood Mitigation Structure from 800 Lineal meters to 675 Lineal meters due to the following:

- The change in station limit is due to the prioritization of critical sections from Sta. 18+825 Sta. 19+570 which require immediate flood mitigation structure to prevent flooding and bank collapse along residential areas and vegetable production areas.
- The Increase in unit cost/ decrease in the physical target of CW1 Construction of Flood Mitigation Structure is due to the revised structure design for the base of the proposed revetment, as recommended by the design analysis. The construction of a reinforced concrete retaining wall as a cutoff wall is deemed necessary to provide the needed protection along the structure's foundation and prevent the immediate scouring and collapse of the proposed revetment wall.
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA).

Attached are the following supporting documents: Approved Program of Works (POW) with Detailed Unit Price Analysis (DUPA), Detailed Engineering Design (DED), Certificate of Availability of Funds (CAF), BP 202, Geotagged photos, Hydraulic and Hydrologic Analysis, PIA, Master Plan, Certificate of No Overlapping and GIS Map.



AG-CO-202403-00747

UACS No.: 320102106133000 Project ID: P00821538LZ

Regional Office CAR

Page 2 of 2

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 PPP Services

APPROVED/<del>DISAPPROVED:</del>

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

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



March 15, 2024

**MEMORANDUM** 

FOR

: MANUEL M. BONOAN

Secretary

THRU

: EUGENIO R. PIPO, JR.

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

**SUBJECT** 

: Request for Modification of the Project: OO2: 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 Lamut River, Sta. 18+900 - Sta. 19+700,

Lawig, Lamut, Ifugao

We are respectfully submitting the modification of the above project in the amount of **One Hundred Million Pesos (Php 100,000,000.00)** as indicated below:

	FROM	то
Project ID	P00821538LZ	
Project Title	Construction of Flood Control Structure along Lamut River, <b>Sta. 18+900 - Sta. 19+700</b> , Lawig, Lamut, Ifugao	Construction of Flood Control Structure along Lamut River, Sta. 18+825 - Sta. 19+570 (L/S), Lawig, Lamut, Ifugao
Physical Target	800 Lineal meters	675 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.

KHADAFRY D. TANGGOL

Regional Director

CAR.1 MGB/EFD/JWC/ABM

SOCOTEC ISO 9001

#### **Tables for Modification Request Form** A. GENERAL 1. REGION 2. DEO 3. LEGISLATIVE DISTRICT Cordillera Administrative Region Ifugao 1st District Engineering Office IFUGAO (LONE DISTRICT) **B. ORIGINAL PROJECT** C. PROPOSED REVISED PROJECT 4. UACS (Unified Account Code Structure as defined in GAA) 320102106133000 5. Project Id P00821538LZ 6. Project Category OO2: Protect Lives and Properties Against Major Floods 7. Sub-Program (P/A/P) Construction/ Rehabilitation of Flood Mitigation Facilities within Major River Basins and Principal Rivers 8. Operating Unit 18. Operating Unit (Change subject to DBM approval) Central Office 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

10. PROJECT DESCRIPTION (as recorded in GAA)	20. PROJECT DESCRIPTION (of the revised project)		
Construction of Flood Control Structure along Lamut River, Sta. 18+900 - Sta. 19+700, Lawig, Lamut, Ifugao	Construction of Flood Control Structure along Lamut River, Sta 18+825 - Sta. 19+570, Lawig, Lamut, Ifugao		
11. ALLOTMENT (P'000) (as recorded in GAA) 50,000	21. REVISED ESTIMATED COST (P'000) (Equal to, or lower than GAA allotment)	22. CAF (To be obtained from Financial Management office)	
	50,000	⊠YES	

12. PHYSICAL TARGET	(Enter	Details fo	r all	Components
helow)				

23. PHYSICAL TARGET (Enter Details for all Components below)

Component ID	Target	Target Unit	Component ID	Target	Target Unit
CW1	800	Lineal Meters (lm)	CW1	675	Lineal Meters (lm)

13. UNIT COST (Enter Details for all Components below)	24. UNIT COST (Enter Details for all Components below)
13. OHII COSI (Linter Details for all Components Delow)	24. UNIT COST (Linter Details for all components below.

Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)	Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	48,250.000	60.31250	CW1	48,250.000	71.48148
EAO	1,750.000		EAO	1,750.000	

## **Tables for Modification Request Form**

accordar	IECT WORK LOCA		e defined in strict	accordan		ries 2014. Also	complete "ANNEX A"
	e to enter text.				nal Road projects	under 00-1)	
				Click her	e to enter text.		
Start X	121.17528	End X	121.17353	Start X 121.17528 End X 121.			121.17353
Start Y	16.65370	End Y	16.65881	Start Y	16.65370	End Y	16.65881
15. ROAI N/A	D CLASSIFICATION	V (if applicabl	e)	26. ROAL	CLASSIFICATION	(if applicable)	
Office of	EMENTING OFFIC the original proje a Administrative I	ect)	e Implementing	the prop	EMENTING OFFIC osed revised proj a Administrative R	ect)	mplementing Office o
17. PROJ	ECT IMPLEMENT	ATION PLAN (	PIP)	28. PROJ	ECT IMPLEMENTA	TION PLAN (PI	P)
<b>Planned</b> 05/06/20	Start Date 024	Planned 01/30/2	End Date 025	Planned Start Date 05/06/2024		Planned End Date 01/30/2025	
				29. OVER ⊠ NO	LAP? □ YES	30. UNDER	WARRANTY? □ YES
			D. ATTACHME	NTS & JUST	IFICATIONS		
31. PROJ	ECT IMPACT ANA	LYSIS ATTACH	HED? (For Flood Co	ntrol Projec	ets)		
□NO	<b>⊠ YES</b>	□ N/	'A				
32. TECH	NICAL JUSTIFICAT	TION (Explain	in detail in Bullet	point forma	t; minimum of 2	points)	
			escription and Dec Lineal meters due			V1 - Constructio	on of Flood Mitigation
i		mitigation stru	ie to the prioritizat icture to prevent fl				. 19+570 which require
• :	The increase in un the revised struction construction of a protection along t	ure design for reinforced cor	ase in the physical the base of the pro acrete retaining wa a foundation and pr	posed reve Il as a cutof	tment, as recomm f wall is deemed r	nended by the d necessary to pro	tion Structure is due to esign analysis. The wide the needed
• :	The increase in un the revised structo construction of a protection along to revetment wall.	ure design for reinforced cor the structure's	the base of the pro acrete retaining wa	pposed reve Il as a cutof revent the in	tment, as recomm f wall is deemed r nmediate scouring	nended by the d necessary to pro g and collapse o	tion Structure is due to lesign analysis. The ovide the needed of the proposed
Attached	The increase in unterest in unterestruction of a construction of a construction along the construction along the derived unit of the derived unit of the derived Engineerical	ure design for reinforced cor the structure's ost is based o supporting de ing Design (DE	the base of the pro acrete retaining wa a foundation and pro on the approved Pro ocuments: Approve	oposed rever ill as a cutof revent the in ogram of Wo and Program vailability o	tment, as recomm f wall is deemed r nmediate scouring ork (POW) with De of Works (POW) v f Funds (CAF), BP	nended by the di necessary to pro g and collapse o etailed Unit Pric vith Detailed Un	tion Structure is due to lesign analysis. The ovide the needed of the proposed e Analysis (DUPA)
Attached (DUPA), E and Hydro	The increase in untile revised struction of a construction of a construction along the revetment wall. The derived unit construction are the following Detailed Engineericologic Analysis, Plance Submitted	ure design for reinforced cor the structure's ost is based o supporting de ing Design (DE	the base of the pro acrete retaining wa foundation and pro n the approved Pro ocuments: Approve ED), Certificate of A	oposed rever ill as a cutof revent the in ogram of Wo and Program vailability o	tment, as recomm f wall is deemed r nmediate scouring ork (POW) with De of Works (POW) v f Funds (CAF), BP	nended by the di necessary to pro g and collapse o etailed Unit Pric vith Detailed Un	tion Structure is due to lesign analysis. The ovide the needed of the proposed e Analysis (DUPA) nit Price Analysis
Attached (DUPA), Land Hydro	The increase in untile revised struction of a construction of a construction of a construction along the vertical wall. The derived unit of a construction are the following Detailed Engineerical Analysis, Plances SUBMITTED	ure design for reinforced cor the structure's ost is based o supporting de ing Design (DE IA, Master Pla	the base of the pro acrete retaining wa foundation and pro n the approved Pro ocuments: Approve ED), Certificate of A	oposed rever ill as a cutof revent the in ogram of Wo ed Program vailability o Overlappin	tment, as recomm f wall is deemed r nmediate scouring ork (POW) with De of Works (POW) v f Funds (CAF), BP g and GIS Map.	nended by the di necessary to pro g and collapse o etailed Unit Pric vith Detailed Un	tion Structure is due t lesign analysis. The ovide the needed of the proposed e Analysis (DUPA) nit Price Analysis

# **Tables for Modification Request Form**

	35. PREPARED BY:						
Name:	DEIDRE LONN B. CACDAC	Position:	Engineer III				
Office:	Planning and Design Division	Date:					
36. REVIE	EWED BY DISTRICT OFFICE (If Required)		38. REVIEWED BY REGIONAL OFFICE				
Name:		Name:	ANGELITA B. MABITAZAN				
Position:		Position:	Chief, Planning and Design Division				
Date:		Date:	(100 100				
37. RECOM	MENDED BY DISTRICT OFFICE (If Required)	i piasani	39. RECOMMENDED BY REGIONAL OFFICE				
Name:		Name:	KHADAFRYD. TANGGOL				
Position:		Position:	Regional Director				
Date:		Date:					

### **Tables for Modification Request Form**

UACS (Unified Account Code Structure as defined in GAA)

320102106133000

Project Id

P00821538LZ

40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS					
Primary Reason fo	or Request (based on Categ	ory of Modification):	choose one)		
Category A	Category B	Category C	Category D	Impact	
☐ Typographical error on Project Description	<ul> <li>Overlapping         <ul> <li>Sections</li> </ul> </li> <li>Change in Station             <ul> <li>Limits</li> <li>Change in Physical                     <ul> <li>Target</li> </ul> </li> </ul></li></ul>	<ul><li>□ No such</li></ul>	☐ Change in (IO), requiring a change in the (OU)	<ul> <li>□ No change or decrease in unit cost</li> <li>□ 20% or less increase in unit cost</li> <li>□ &gt; 20% increase in unit cost</li> </ul>	
Reviewed by Office of the Undersecretary for Operations					
Name:	Engr. MANUEL L. SINGSON		Engr. ANTONIO V. SOBREVIÑAS, JR.		
Signature			M	16	
Position:	Project Manager I		Project Manager	Project Manager II I	
Date:	3/19/24			3/18/24	
		41. DPWH PLANNING	S SERVICE		
Category of Modification  (please check the appropriate)  □ 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 Position:	Regional Coordinator		Signature:  Signature:  Position: OIC - Chief of Programming Division		
r osition.	negional coolumator		rosition: Oic - Chief of Programming Division		
Date: 3 24/24		Date:	Date:		