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

January 27, 2017

MEMORANDUM

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

This refers to the herein letter dated 19 January 2017 of Regional Director **Subair S. Diron** of Region IV-B endorsing the request of District Engineer **Nestor L. del Rosario,** Mindoro Oriental District Engineering Office for the Modification of hereunder stated project based FY 2017 General Appropriation Act. (GAA).

Project Description		**Physical Target / Cost**	
As per GAA	***As Modified***	***Original***	***Modified***
UACS # **292003020402878**		685.0 lm	**509.0** lm
MFO 2 – Flood Management Services - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems : Construction of Flood Mitigation Structure - Construction of Dulangan River Control (Gabions), Baco, Oriental Mindoro *(Construction of Flood Mitigation Structure)*	MFO 2 – Flood Management Services - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems : Construction of Dulangan River Control (Gabion), Baco, Oriental Mindoro *(Construction of Flood Mitigation Structure)*	Unit Cost (P'000) ₱72.993T/ lm	Unit Cost (P'000) **₱98.232T**/ lm
		Allocation Cost (P'000) ₱50,000	Estimated Cost (P'000) ₱50,000

Reason/s for Modification

The decrease in physical target from 685.0 lm to 509.0 lm is due to the following reasons:

- Based on the actual configuration of the river, the use of two types of design of gabion slope protection was adopted namely, "the pile-up type design" and "pyramid type design" wherein the first is on the straight bank portion of the river while other one is on the curve portion that is directly hit by water during flood. In addition, embankment or backfill is provided at the side of the structure to protect the existing road along the riverbank.
- Use of design parameter in the design of structure and Updated Material Price per validated CY 2016 4th Quarter Construction Materials Price Data (CPMD).

Finding the herein request for modification in order, it is respectfully recommended to the Secretary for his consideration and approval.

EUGENIO R. PIPO, JR.
Assistant Secretary for Regional Operations in Luzon

APPROVED / ~~DISAPPROVED~~ :

ROMEO S. MOMO
Undersecretary
Officer-In-Charge

2.4 aap/AVS/ERP/RSM

Note : Copies of the approved project modification requests will be forwarded to the office of Undersecretary Maria Catalina E. Cabral.

Form for Evaluation of Modification or Realignment Request (2017, version 2.1)

A. GENERAL

1. REGION	2. DEO	3. LEGISLATIVE DISTRICT
IV-B	Mindoro Oriental DEO	Oriental Mindoro 1st LD

B. ORIGINAL PROJECT

4. UACS (Unified Account Code Structure as defined in GAA)
292003020402878

5. Project Id
P00121273LZ

Component Id(s)
CW1

6. Project Category
MFO-2 Flood Management Services

7. Thrust
Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems

8. Type of Work (Enter Details for all Components below)

Component ID	Type of Work
CW1	Construction of Flood Mitigation Structure
Click here to enter text.	Choose an item.
Click here to enter text.	Choose an item.
Click here to enter text.	Choose an item.

9. PROJECT DESCRIPTION (as recorded
Construction of Dulangan River Control (Gabion), Baco, Oriental Mindoro

10. ALLOCATION (P'000) (as recorded in GAA)
P 50,000

11. OBLIGATION (This must be checked to confirm there are no obligations) ☒ NO

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

Component ID	Target	Target Unit
Click here to enter text.	685.0	Lineal Meters (lm)
Click here to enter text.	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.	Click here to enter text.	Choose an item.

13. UNIT COST (Enter Details for all Components below)

Component ID	Component Cost (P'000)	Unit Cost
Click here to enter text.	P 50,000	P 72,992.70
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.	Click here to enter text.

C. NEW PROJECT

18. UACS (to be entered only upon approval of realignment)
292003020402878

19. Project Id (to be entered only upon approval of realignment)
P00121273LZ

Component Id(s) (to be entered only upon approval of realignment)
CW1

20. Project Category
MFO-2 Flood Management Services

21. Thrust
Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems

22. Type of Work (Enter Details for all Components below)

Component ID	Type of Work
CW1	Construction of Flood Mitigation Structure
Click here to enter text.	Choose an item.
Click here to enter text.	Choose an item.
Click here to enter text.	Choose an item.

23. PROJECT DESCRIPTION (of the new project]
Construction of Dulangan River Control (Gabion), Baco, Oriental Mindoro

24. ESTIMATED COST(P'000)
P 50,000

25. CAF (To be obtained from Financial Management office)
☒YES

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

Component ID	Target	Target Unit
Click here to enter text.	509.0	Lineal Meters (lm)
Click here to enter text.	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.	Click here to enter text.	Choose an item.

27. UNIT COST (Enter Details for all Components below)

Component ID	Component Cost (P'000)	Unit Cost
Click here to enter text.	P 50,000	P 98,231.83
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.	Click here to enter text.

14. PROJECT LOCATION (Must be defined in strict accordance with DO 65 Series 2014)

Construction of Dulangan River Control (Gabion), Baco, Oriental Mindoro

Start X	121.081111	**End X**	Click here to enter text.
Start Y	13.283055	**End Y**	Click here to enter text.

15. ROAD CLASSIFICATION (if applicable)

Choose an item.

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

Mindoro Oriental DEO

17. PROJECT IMPLEMENTATION PLAN (PIP)

Planned Start Date	Planned End Date
March 6, 2017	December 30, 2017

28. PROJECT LOCATION (Must be defined in strict accordance with DO 65 Series 2014)

Construction of Dulangan River Control (Gabion), Baco, Oriental Mindoro

Start X	121.081111	**End X**	121.079166
Start Y	13.283055	**End Y**	13.230277

29. ROAD CLASSIFICATION (if applicable)

Choose an item.

30. IMPLEMENTING OFFICE (Record the Implementing Office of the new project)

Mindoro Oriental DEO

31. PROJECT IMPLEMENTATION PLAN (PIP)

Planned Start Date	Planned End Date
March 6, 2017	December 30, 2017

32. OVERLAP?

NO

33. WARRANTY

None

D. EVALUATION & JUSTIFICATION

ASSET PRESERVATION (ROADS)

34a. Existing Surface Type (from RBIA)	
34b. Roughness (IRI) (from RBIA)	Click here to enter text.
34c. RoCOND (from RBIA)	Click here to enter text.

ASSET PRESERVATION (BRIDGES)

34d. General Bridge Type (from BMS)	Click here to enter text.
34e. Bridge Needs Ratio (BNR) (from BMS)	Click here to enter text.

NETWORK DEVELOPMENT

34f. Existing Surface Type (from RBIA)	Click here to enter text.
34g. Volume Capacity Ratio (VCR) (from RBIA)	Click here to enter text.
34h. Endorsement of Regional Development Council (RDC)	Click here to enter text.
34.i Feasibility and Other Technical Studies for Bridges	Click here to enter text.

FLOOD CONTROL

34j. Project Impact Analysis	Click here to enter text.
34k. Master Plan	Click here to enter text.

35. JUSTIFICATION

Decrease in physical target from 685.0 l.m. MYPS to 509.0 l.m. of actual program of work is due to the following reasons;

1. Due to actual configuration of the river, the use of two types of design of gabion slope protection was adopted namely the pile-up type design and pyramid type design wherein the first one is on the straight bank portion/alignment of the river while the other one is on the curve portion being directly hit by the water flow during floods. In addition, embankment or backfill is provided at the side of the structure to protect the existing road along the riverbank.
2. By using design parameter in the design of structure and Updated Material Price per validated CY 2016 4th Quarter Construction Materials Price Data (CMPD)

36. GEOTAGGED PHOTOS SUBMITTED ☐NO ☒YES

37. EVALUATED BY: EDWIN A. CABRAL / GODOFREDO S. DAGDAG,JR — **DATE: 1/19/2017**

Chief, PDS-MODEO — Engineer II- RO Planning

E. REVIEW AND APPROVAL

REVIEWED:

RENATO L. ESCUADRO
Chief Planning and Design Division

DATE: 1/19/2017

RECOMMENDED:

NESTOR L. DEL ROSARIO / SUBAIR S. DIRON, CESO III
District Engineer — Regional Director

DATE: 1/19/2017

NOTED: **DATE:**

ENDORSED / APPROVED: **DATE:**