



REPUBLIC OF THE PHILIPPINES
NATIONAL IRRIGATION ADMINISTRATION
CY PROGRAM OF WORK

MODERNIZATION OF NATIONAL IRRIGATION SYSTEMS
FEASIBILITY STUDY AND DETAILED ENGINEERING FOR MODERNIZATION

CY-2023

I. GENERAL INFORMATION																
1. Name of Project	: NMC & Pasuquin Extension RIS															
2. Location	: Vintar, Ilocos Norte															
Coordinates of the Dam Axis:	Lat.	18.254167 N	Long.	120.685556 E												
3. Towns Covered	: Vintar, Bacarra & Pasuquin															
4. Area, Ha.	[New]															
	[Rehab]	: 600 ha.														
5. Source of Water	: Vintar River															
Drainage Area (Km ²)	: 15.00 sq.km.															
Dependable Flow																
6. Source of Fund	: FS&DE															
7. Description of Activity	: FS & DE for Modernization															
8. Overall Project Cost																
Overall Program	P 5,000,000.00															
CY Program	P 5,000,000.00															
9. Type of Diversion	Intake															
10. Implementation Schedule:																
A. Starting Date	January 1, 2023															
B. Completion	December 31, 2023															
II. WORK TO BE UNDERTAKEN BY:		100%		Force Account		Contract Work										
III. EQUIPMENT REQUIREMENT:		Pick-up Truck, Currentmeter, Survey Instruments														
IV. MAJOR ITEMS OF WORKS																
DIRECT COST		CODE		DURATION								TOTAL AMOUNT				
A. Feasibility Study				(Work Schedule and Accomplishment)												
				1	2	3	4	5	6	7	8	9	10	11	12	
1. Plan Formulation																88,801.59
2. Surveying and Mapping Works																310,820.74
3. Geology																68,324.28
4. Hydrology																135,440.88
5. Land Use/Agronomy																186,562.55
6. Soil and Land Classification																342,465.65
7. Drainage Investigation																22,760.89
8. Irrigation Works																84,759.12
9. Diversion/Electro-Mech. Works -(Dam/Reservoir)																82,766.29
10. Environmental and Social Assessment																367,326.24
11. Quantity and Cost Estimates																114,148.03
12. Economics																133,200.43
13. Drafting Works																49,701.22
14. Coordination Meeting																372,979.65
15. Review/Evaluation and validation of RO Personnel																766,933.77
16. Feasibility Report Preparation																373,008.68
B. Detailed Engineering																
17. Detailed Design: Dam, Structure, Canal																147,346.74
18. Contract Documents - Volumes, Estimates & Specs																114,603.02
19. DE report, NIA standard Drawings & Plans																219,332.60
20. Social and Environmental Impact Assessment (SEIA)																508,346.96
21. Review/Evaluation and validation of RO Personnel																208,532.24
22. POW Preparation																301,838.44
Total (Direct Cost)																5,000,000.00
IV. BREAKDOWN OF COST										CODE		AMOUNT		Prepared by:		
A. DIRECT COST																
By Administration																
1. Salaries / Wages										2,901,822.38						
2. Traveling Expenses										138,500.00						
3. Service Vehicle (Including Fuel and Oil)										862,890.86						
4. Office Supplies, Materials and Equipment)										771,781.41						
5. Others										325,005.36						
By Contract																
1. Contract Service																
Sub-total "A"										5,000,000.00						
B. INDIRECT COST																
1. Contingencies																
Sub-total "B"																
AMOUNT OF PROGRAM [Total A & B] ----- Say										P 5,000,000.00						
												Prepared by:		RENEZ TRICIA S. DULDULAO Economist A		
												Checked by:		JOSEITO C. DE VERA Principal Engineer A		
												Approved:		WEYNARD JOSEPH P. UNTALAN Acting Division Manager		
												Noted:		GAUDENCIO M. DE VERA Regional Manager A		