



Republic of the Philippines

Office of the President

NATIONAL IRRIGATION ADMINISTRATION

ALBAY-CATANDUANES IRRIGATION MANAGEMENT OFFICE



SUMMARY OF CY 2025 PROGRAM OF WORK (POW)

REGION/PIMO	: REGION V/Interim Albay-Catanduanes IMO	Program No.	: 1
PROJECT TITLE	: Repair/Rehabilitation of BALASBAS CIS	Date	: March 28, 2025
NAME OF SYSTEM/PROJECT	: BALASBAS CIS		
SYSTEMS/CATEGORY (NIS/CIS,NIP/SIP)	: Communal Irrigation System		
PROJECT DESCRIPTION	: Repair/Rehabilitation of Diversion, Slope Protection, Canal Structure and Canalization Works.		

I. GENERAL INFORMATION

1. PROJECT LOCATION

a. Region	V
b. Province	Albay
City/Municipality	Manito
District	2nd District

6. Overall Project Cost (P)

	Original	Revised
a. GOP	20,000,000.00	
b. Loan Proceeds		
c. Others (Equity, etc.)		
TOTAL		

2. Service Area /

Designed Area (Ha.) 58.01 has.

3. Source of Water

Burabod Creek

3a. Drainage Area	
3b. Dependable Flow	✓

4. Type of Irrigation

(Pls. check the type of irrigation)

5. Pt. of Diversion

Latitude Longitude

a. Run off the River			
1. Dam	✓	13.100261	123.892740
b. Reservoir			
c. Pump Type			
d. Others			

7. Physical Target (Overall)

a. New Area (Ha.)		
b. Restored Area (Ha.)		
c. Repair Works (specific for rehab)		
c.1 Earth Canal (km.)		
c.2 Canal Lining (km.)		
c.3 Structures (unit)		
c.4 Concrete Service Road (km.)		
c.5 Other Repair Works (Pls Specify)		
c.6 Rehab. Area (has) (Attribution)		
d. Other Activities (Pls. Specify)		
d.1. Structure (unit)		

8. Overall Implementation Schedule

	Original	Revised
a. Physical Starting Date	May-25	
b. Completion Date	Apr-26	

II. WORK TO BE DONE (For the current year)

1. Performance Weight

%

a. Contract Works	89.59
b. Force Account Works	-
c. Others	10.41
TOTAL	100.00

2. Starting Date May-25

3. No. of days to Complete 360.00 CD

Workable Calendar Days 270.00 CD

Predetermined Unworkable 90.00 CD

4. Physical Target

a. New Area (Ha.)	
b. Restored Area (Ha.)	41.00
c. Repair Works (specific for rehab.)	
c.1 Earth Canal (km.)	
c.2 Canal Lining (km.)	1.4091
c.3 Structures (unit)	11.00
c.4 Concrete Service Road (km.)	
c.5 Other Repair Works (Pls Specify)	-
c.6 Rehab. Area (has) (Attribution)	-
d. Other Activities (Pls. Specify)	
d.1. Structure (unit)	2.00

III. DETAILED BREAKDOWN OF CURRENT YEAR PROGRAM

	Field Office	Central Office	Total
A. DIRECT COST			
1. CIVIL WORKS			
a. CONTRACT WORKS	17,917,758.11		17,917,758.11
b. FORCE ACCOUNT WORKS			-
2. CONTRACT SUPERVISION	358,355.16		358,355.16
3. CONSTRUCTION SURVEY	123,886.73		123,886.73
4. PARCELLARY MAPPING/SURVEY	-		-
5. RIGHT OF WAY ACQUISITION, PLANT/PROPERTY DAMAGES			-
6. LAND ACQUISITION & RESETTLEMENT PLAN			-
7. PROCUREMENT OF EQUIPMENT & VEHICLE			-
8. CONSULTING SERVICES			-
9. TAXES (For selected FAPs)			-
10. CONTINGENCIES			-
B. INDIRECT COST			
1. GESA	600,000.00		600,000.00
2. MANAGEMENT FEE		1,000,000.00	1,000,000.00
TOTAL DIRECT COST	19,000,000.00	1,000,000.00	20,000,000.00

Prepared:

JENNIMEL R. DAYURAY
Engineer A

Checked:

Engr. LEON FIDEL C. PANTE
Acting Chief, Engineering Section

Approved:

Engr. MARK CLOYD G. SO, MPA
Acting Division Manager

Noted:

Engr. GAUDENCIO JOHN M. DE VERA
Regional Manager A

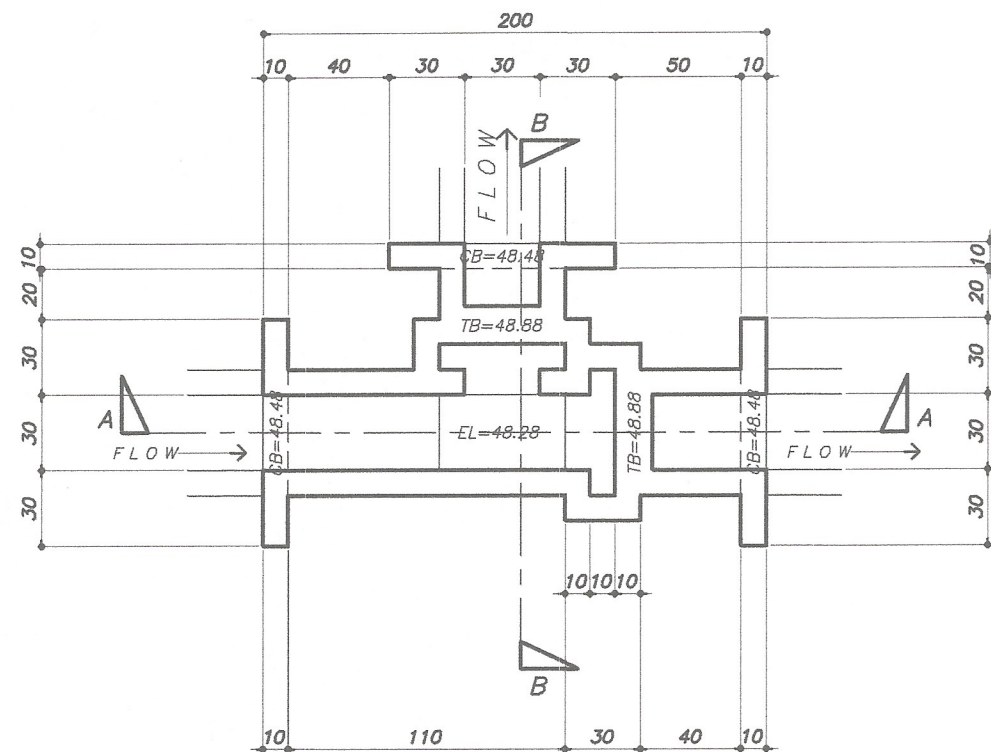
Noted:

Engr. WILHELM S. TIANGCO
Acting Project Manager, CARP-IC

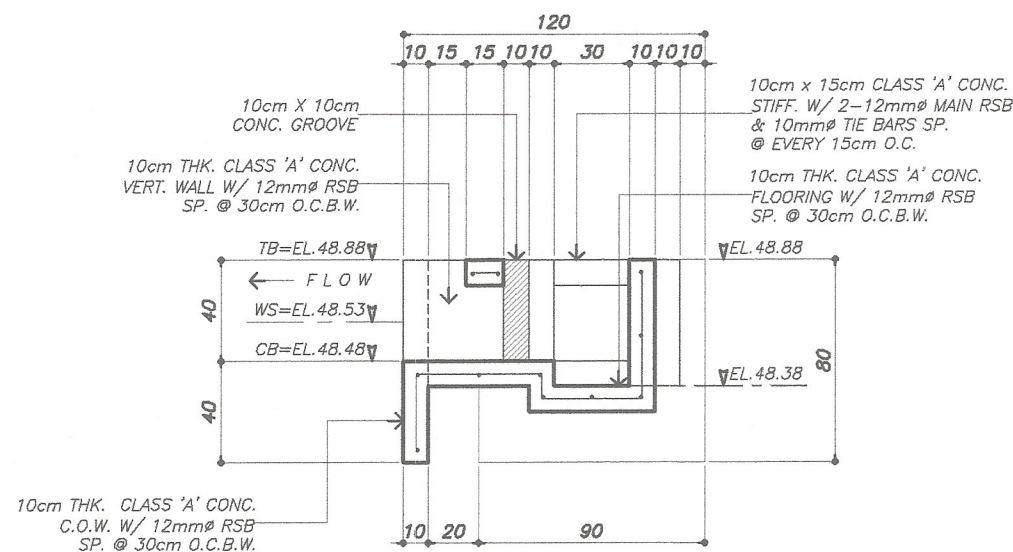
IV. SOURCES OF FUNDS

A. CAPITAL OUTLAY

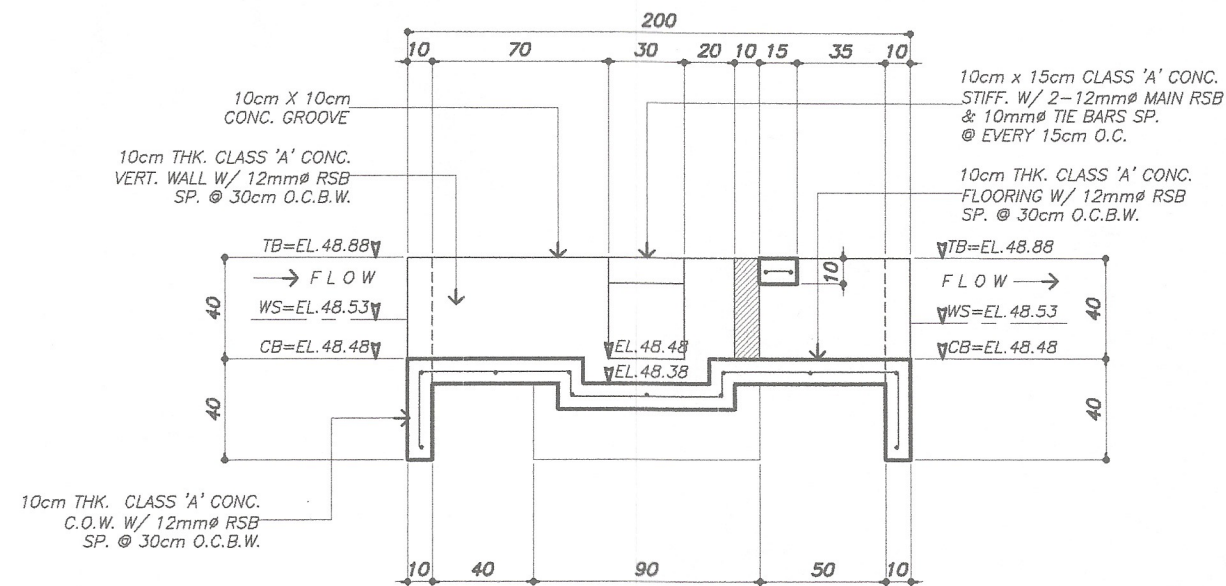
1. GOP	GAA	CARP-IC CY 2025	20,000,000.00
2. LOAN PROCEEDS			



PLAN
SCALE: 1:30 cms.



SECTION THRU 'B-B'
SCALE: 1:30 cms.



SECTION THRU 'A-A'
SCALE: 1:30 cms.

HYDRAULIC ELEMENTS			
ELEMENTS	UNIT	CANAL	
		ABOVE	BELOW
Q	cms	0.017	0.017
V	m/s	1.052	1.052
A	sqm	0.016	0.016
b	m	0.30	0.30
d	m	0.055	0.055
D	m	0.40	0.40
r	m	0.039	0.039
t	m		
S		0.01736	0.01506
SS	VERT.	VERT.	VERT.
n		0.015	0.015
ELEVATIONS			
T.B. EL.	m	48.88	48.88
W.S. EL.	m	48.53	48.53
C.B. EL.	m	48.48	48.48

GENERAL NOTES:

- ALL DIMENSIONS ARE IN CM UNLESS OTHERWISE SPECIFIED.
- ALL PARTS OF THE STRUCTURE SHALL BE CAST IN PLACE CONCRETE HAVING A COMPRESSIVE STRENGTH OF CLASS "A" OR 211 kg/cm² AT 28 DAYS UNLESS OTHERWISE SPECIFIED.
- REINFORCING BARS SHALL BE DEFORMED BILLET STEEL OF INTERMEDIATE GRADE 40 (ASTM A615M).
- THE MAXIMUM SIZE OF AGGREGATES FOR CAST-IN-PLACE CONCRETE SHALL BE NOT LARGER THAN $\frac{1}{3}$ OF THE LEAST DIMENSION OF THE MEMBER NOR LARGER THAN 38MM. FOR PRE-CAST CONCRETE, IT SHALL BE NOT LARGER THAN OF THE LEAST DIMENSION OF THE MEMBER NOR LARGER THAN 19MM.
- CLEAR DISTANCE BETWEEN REINFORCING STEEL BARS TO THE NEAREST SURFACE OF CONCRETE SHALL BE 7.5 cms. FOR FOUNDATIONS & 4cm. FOR OTHERS.
- LAPPING OF BARS SHALL BE 24'D' FOR DEFORMED BARS & 48 'D' FOR PLAIN BARS.
- ALL EXPOSED EDGES OF THE STRUCTURE SHALL BE ROUNDED OR CHAMFERED.
- ALL BARS NOT OTHERWISE SPECIFIED SHALL BE 10mm ϕ SP. 30 cms. OR 12mm ϕ SP. 45cms.O.C.
- SUBGRADE SHALL BE WELL COMPACTED TO PREVENT UNEVEN SETTLEMENT.
- ALL ELEVATIONS ARE IN METERS.



3					
2					
1					
REV. NO.	DATE	NATURE OF REVISION	BY:	CHECKED	RECOM. APPROVED NIA
<p>REPUBLIC OF THE PHILIPPINES NATIONAL IRRIGATION ADMINISTRATION REGION - 05 PROVINCE OF ALBAY BALASBAS COMMUNAL IRRIGATION SYSTEM MANITO, ALBAY</p> <p>PROPOSED TURN-OUT RIGHT</p> <p>CANAL : LAT. "D-1" AT DAM #2 STA 0+101.17 - 0+103.17</p> <p>DRAFTING: REGINEIC. RENON CADD: REGINEIC. RENON REVIEWED: ANDREI. TEMPLONUEVO RECOMMENDING APPROVAL: ENGR. MARK CLOYD G. SO ENGR. DIOGEMMA C. RODRIGUEZ APPROVED: ENGR. GAUDENCIO JOHN M. DE VERA</p> <p>CIS-ALB/CAT-IMO-2025 DWG. NO. 1 SHEET 4 OF 4</p>					