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MINISTRY OF AGRARIAN REFORM

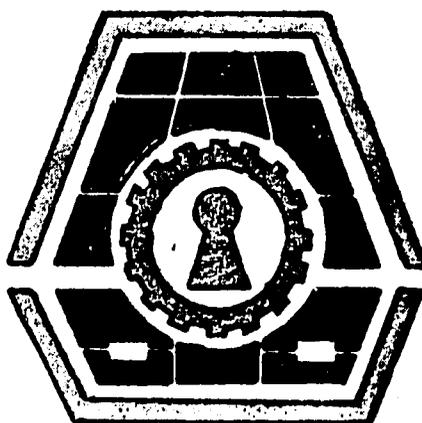
MONTHLY PROGRESS REPORT

FOR THE

PERIOD ENDING JUNE 15, '81

BICOL INTEGRATED AREA DEVELOPMENT II

BULA - MINALABAC LAND CONSOLIDATION PROJECT



PROJECT MANAGEMENT OFFICE

Republic of the Philippines
MINISTRY OF AGRARIAN REFORM
Bicol Integrated Development Area II
Bula-Minalabac Land Consolidation Project
Mataoc, Minalabac, Camarines Sur

June 27, 1981

FOR : THE HONORABLE MINISTER
Ministry of Agrarian Reform
Diliman, Quezon City

FROM : THE REGIONAL DIRECTOR
MAR, Region V
Legaspi City

SUBJECT: MONTHLY PROGRESS REPORT FOR THE PERIOD ENDING
JUNE 15, 1981.

I have the honor to submit herewith the Monthly Progress Report of the Bicol Integrated Development Area II, Bula-Minalabac Land Consolidation Project, USAID Loan No. 492-T-046, Camarines Sur for the period ending June 15, 1981.

SALVADOR PEJO, CESO II
Regional Director

Enclosure:

As stated

fem/sea-

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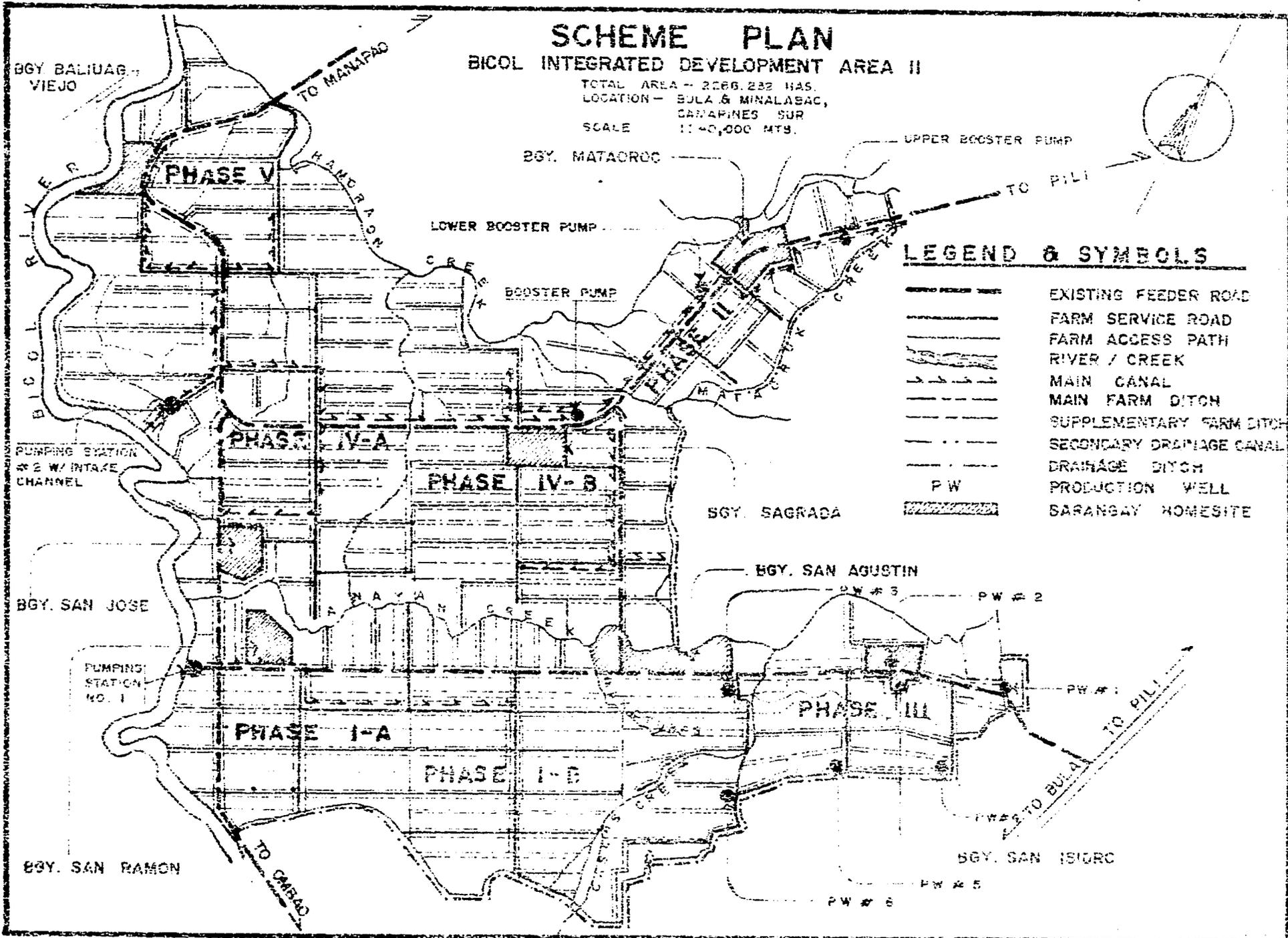
SCHEME PLAN

BICOL INTEGRATED DEVELOPMENT AREA II

TOTAL AREA - 2066.232 HAS.

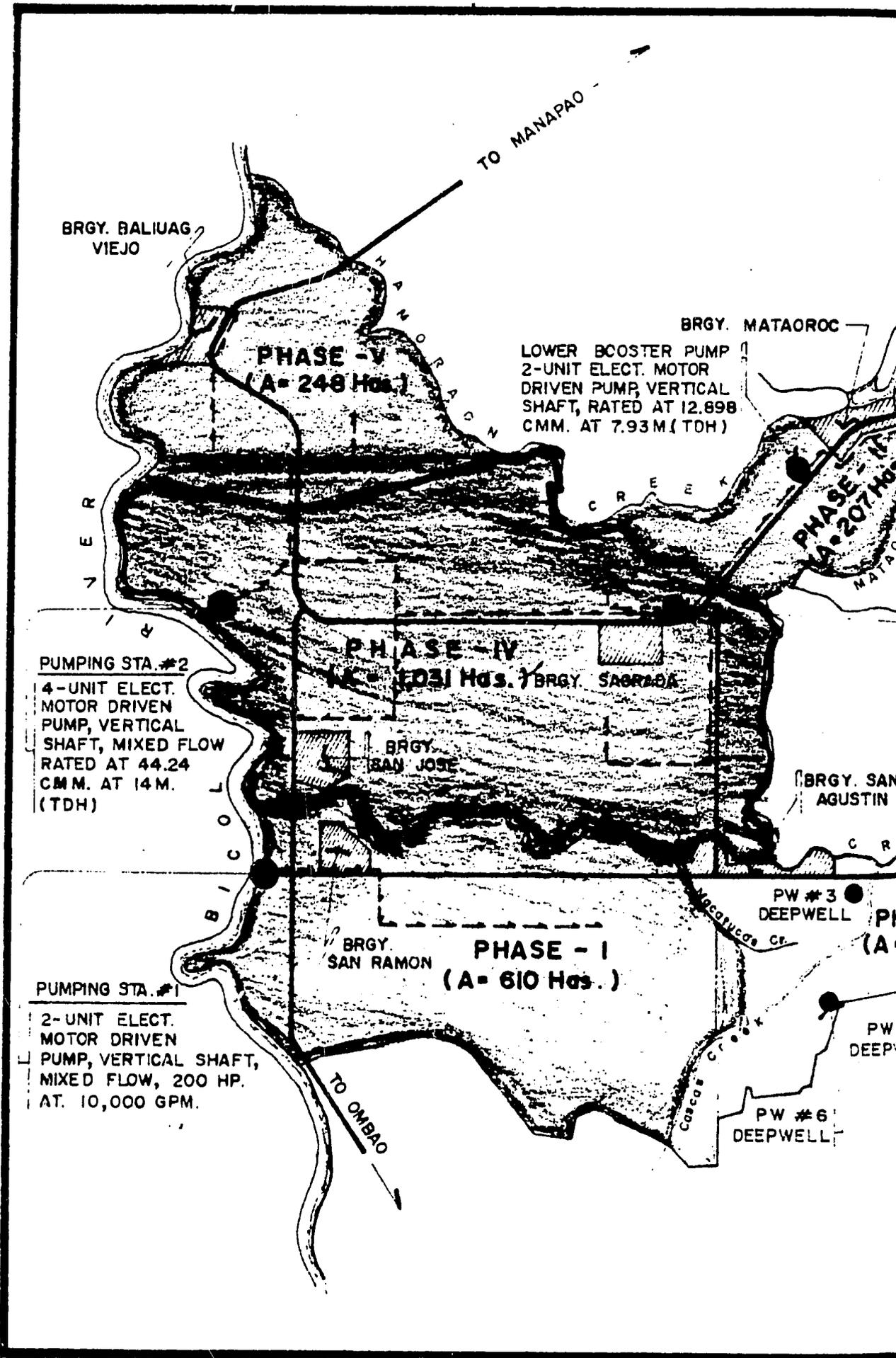
LOCATION - BULA & MINALASAC,
SARANGANI SUR

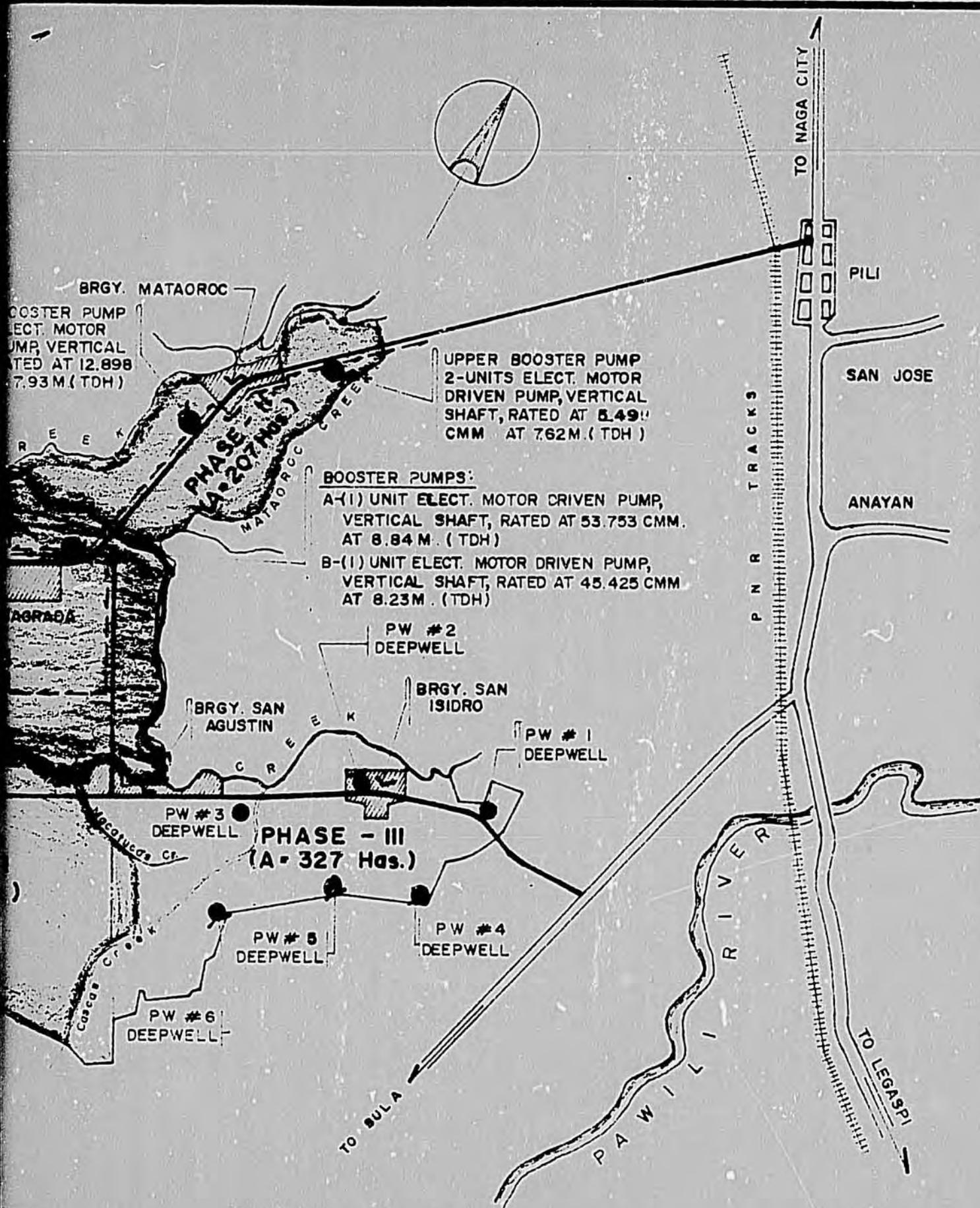
SCALE 1:40,000 MTS.



LEGEND & SYMBOLS

-  EXISTING FEEDER ROAD
-  FARM SERVICE ROAD
-  FARM ACCESS PATH
-  RIVER / CREEK
-  MAIN CANAL
-  MAIN FARM DITCH
-  SUPPLEMENTARY FARM DITCH
-  SECONDARY DRAINAGE CANAL
-  DRAINAGE DITCH
-  PW PRODUCTION WELL
-  SARANGAY HOMESITE





BRGY. MATAOROC

COSTER PUMP
ELECT. MOTOR
DRIVEN PUMP, VERTICAL
SHAFT, RATED AT 12.898
CMM AT 7.93 M. (TDH)

PHASE - II
(A = 207 Has.)

UPPER BOOSTER PUMP
2-UNITS ELECT. MOTOR
DRIVEN PUMP, VERTICAL
SHAFT, RATED AT 5.49
CMM AT 7.62 M. (TDH)

BOOSTER PUMPS:

A-(1) UNIT ELECT. MOTOR DRIVEN PUMP,
VERTICAL SHAFT, RATED AT 53.753 CMM.
AT 8.84 M. (TDH)

B-(1) UNIT ELECT. MOTOR DRIVEN PUMP,
VERTICAL SHAFT, RATED AT 45.425 CMM
AT 8.23 M. (TDH)

PW #2
DEEPWELL

BRGY. SAN
AGUSTIN

BRGY. SAN
ISIDRO

PW #1
DEEPWELL

PW #3
DEEPWELL

PHASE - III
(A = 327 Has.)

PW #5
DEEPWELL

PW #4
DEEPWELL

PW #6
DEEPWELL

TO BULA

PAWILI
RIVER

TO NAGA CITY

PILI

SAN JOSE

ANAYAN

TO LEGASPI

P N R
TRACKS

AGRAVA

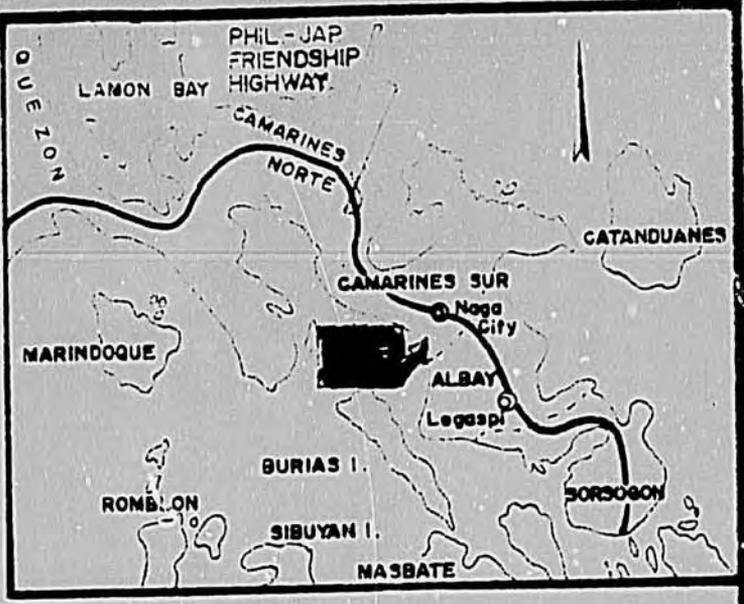
R E E K

MATAOROC
CREEK

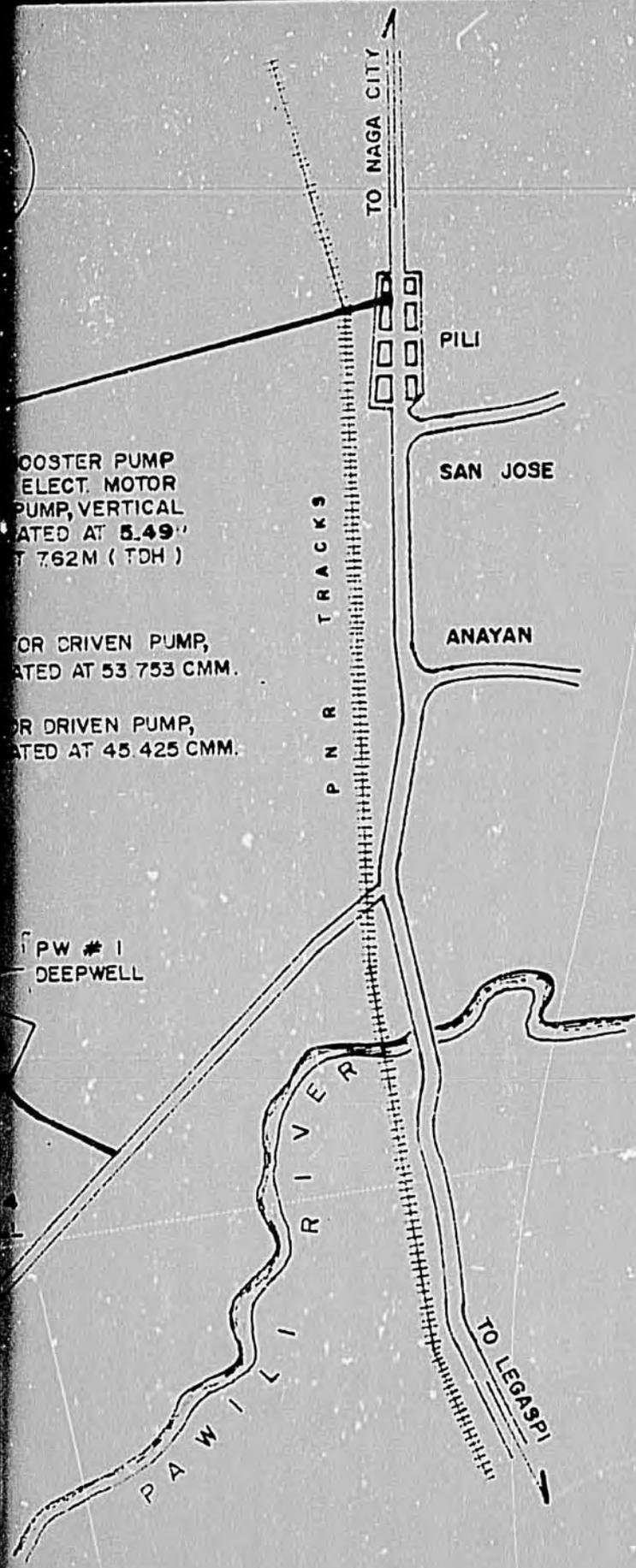
G R E E K

Cascas
Creek

Micostiga
Cr.



KEY PLAN
SCALE: 1:7,000,000



LOCATION PLAN
SCALE: 1:40,000 MTS.

BULA-MINALABAC LAND CONSOLIDATION (PROJECT BICOL IDA II)
MATAOROC, MINALABAC, CAMARINES SUR

SUB-ALLOTMENT ADVICES RECEIVED

AMOUNT OF SUB-ALLOTMENT RECEIVED	SAA NO.	CDC NO.	CODE	FUND CODE	C.O. OBLIGATION NO.	OBLIGATION NUMBER
₱ 408,835.10	17			101	409-101- 7-2056-80	
13,183.50	15			101	409-101- 6-1889-80	
23,947.00	13			101	409-101- 6-1715-80	
5,150.00	10			101	409-101- 5-1582-80	
379,502.62	7			101	409-101- 5-1262-80	
26,182.35	8			101	409-101- 5-1261-80	
5,100.00	22			101	409-101- 9-2839-80	
556,159.21	26			101	409-101-10-3236-80	
15,550.00	28			101	409-101-10-5369-80	
82,222.43	34			101	409-101-12-4206-80	
96,915.00	2			101	409-101- 1- 74-81	
84,665.00	6			101	409-101- 2- 4 2-81	
89,670.00	8			101	409-101- 3- 689-81	
48,438.24	9			101	409-101- 4- 964-81	
60,000.00	10			101	409-101- 4-1174-81	
204,268.40	14			101	409-101- 5-1341-81	
5,000.00	16			101	409-101- 5-1435-81	
28,000.00	17			101	409-101- 5-1719-81	
320,000.00	20			101	409-101- 6-1960-81	
<hr/>						
₱ 3,115,923.05	= T O T A L					

Prepared by:

Checked by:

Noted by:

SUBMITTED BY:

TERESITA B. CUADRO
C.E. Aide

FRANCISCO E. MARGATE
Project Analyst

GREGORIO P. BELUANG
Project Manager

SALVADOR PEJO, CESO II
Project Director

/sea-

NARRATIVE REPORT

I - PROJECT ACTIVITIES

The overall accomplishment of the Bula-Minalabac Land Consolidation Project (Bicol IDA II-A) for the period ending June 15, 1981 is 45.83%. The percentage of accomplishment as revised programmed to date 27.57%. A significant time slippage of about 18.25%, which is equivalent to time slippage of 66 weeks.

The delay was attributed to inclement weather, poor performance of contractors, delay incurred in negotiation of terminated contracts under irrigation, drainage, roads and canal structures in Phase I-A and non early approval by the Presidential Review Committee (PRC) of several contracts endorsed in Malacañang

A. PROGRAMMING AND MONITORING UNIT:

1. Preparation of monthly schedule of works and expenditures for every project component and monthly accomplishment.
2. Review and evaluation of accomplishment for every section or unit and contractors.
3. Preparation of monthly progress reports.

B. PHYSICAL AND INFRASTRUCTURE DEVELOPMENT DIVISION

a. Design Sections:

1. Continuation of the computation of quantity and estimates for roads, irrigation and drainage, canal and structures for Phases II to V.
2. Continue computation for quantity take-off of all engineering works.
3. Re-checking of lengths of roads, irrigation of Phases II, III, IV and V.

b. Construction Sections:

1. Continuation of the supervision of civil works undertaken by several contractors.
2. Continuation of the supervision of Central Waterworks System at San Ramon.
3. Supervision of construction of transformer pad and the installation of pump and motor for Pumping Station No. 1, Phase I.

c. Survey Sections:

1. Profile and cross-section of on-going construction for service roads and farm access paths.
2. Layout of homesite development for barangay San Isidro, Phase III.
3. Checking of structure elevation roads, irrigation canal and drainage canal.

d. Material and Quality Control Sections:

1. Conducts soil exploration works for suitable materials for borrow.
2. Conducts field density tests Phase I-A and I-B.
3. Conducts concrete mixture strength test for different interval of days.
4. Conducts slump test
5. Conducts rebar tensile strength test.

e. Force Accounts:

No. activities undertaken pending release of 1st Quarter appropriation.

f. Right of Way and Damages Sections

1. Negotiation of right-of-way for the proposed service roads, canals, laterals, ~~drainage~~ ditch and farm access paths.

f. Right of Way and Damages Sections

1. Negotiation of right-of-way for the proposed service roads, canals, laterals, drainage ditch and farm access paths.

C. INSTITUTIONAL AND AGRICULTURAL DEVELOPMENT DIVISION

As of the period ending June 15, 1981, this component of the project had accomplished 42.43% what was scheduled.

A. Applied Agricultural Research

Equipped with the necessary inputs and other logistics needed in growing rice as Masagana 99 recommendations, seed sowing enough for two (2) trials particularly early and medium maturing seeds (IR and BPI varieties).

With the areas planted, the activities were devoted for the crop protection maintenance and supervision.

B. Organizational Development and Training

The activity undertaken during the period were as follows:

1. Conducted Information Education on other crafts, home visits, RIC meetings, RIC project demonstration, and other backyard projects.
2. Formation/Development of Farmers Organization (Compact Farm).
3. Field interview for the Farm Management Survey.
4. Orientation/Seminar/Training for farmer beneficiaries was conducted which provided basic information on project plans, objective and goals.

5. Youth Leadership Training, Mothers' Class Training (1st and 2nd batch) and Farmers' Training Class were conducted at barangay San Jose, Phase IV-A.
6. Youth Leadership Training (1st Batch) was conducted at barangay San Isidro, Phase III and barangay Sagrada Phase IV-B.
7. Conducted Operation: Timbang for the children of farmer beneficiaries.
8. Supplementary feeding at San Agustin and San Ramon.
9. Undertakes a continuing malnutrition prevention on project areas.

C. TENURIAL DEVELOPMENT

Activities undertaken for the period were as follows:

1. Tenurial assessment on Farmers' Profile
2. Information drive
3. Mediation conference
4. Ocular inspection of right-of-way
5. Collection campaign for farmlot, homelot and farm machineries
6. Lot assignment on farmlot and homelot of Phase I-B, Lirag estate, Bula, Camarines Sur, and Phase II, Silverio estate, Mataeroc, Minalabac, Camarines Sur.

FORCE ACCOUNT BY (ADMINISTRATION)

Project : PILOT PHASE, 100 Has.

Locations : San Ramon, Bula, Camarines Sur

I - GENERAL

1. ACTIVITIES:

The sub-allotment intended to complete and be operational for the pace of work had been approved and forwarded to PMO thru the Force Account in the early part of this month.

2. PROGRESS:

As of the period covered, the overall accomplishment is 88.10%.

3. PERSONNEL:

The following composes the personnel strenght;

- 1 - Construction Engineer
- 1 - Civil Engineering Aide
- 1 - Supervising Mechanic
- 2 - Mechanics
- 4 - Heavy Equipment Operators
- 3 - Dump Truck Drivers
- 3 - Mechanic Helpers

4. EQUIPMENTS:

The following are the equipments;

- 3 - Dump Trucks
- 1 - Grader
- 1 - Road Roller
- 1 - Payloader
- 1 - Dozer

Co-Implementor: NATIONAL IRRIGATION ADMINISTRATION (NIA)

Project : PHASE I-A, 200 Has.

Location : San Ramon, Dula, Camarines Sur

I - GENERAL

1.0 ACTIVITIES:

The activities undertaken for the period covered, were as follows:

- 1.1 Excavation for canal, canal structures and roadway.
- 1.2 Backfill for canal structures.
- 1.3 Hauling and spreading of common borrow materials.
- 1.4 Gravel base and blanket, reinforced and plain concrete rip-rap and reinforced concrete pipes for canal structures.

2.0 PROGRESS:

For the period covered, were able to accomplished a large volume and/or quantity particularly on canal excavation and roadway excavation. The excavated volume was delivered and partially spread and compacted for farm ditches. A large volume of common and selected borrow materials for farm access paths were hauled and spread.

Work accomplishment this period is 28.28%. Actual accomplishment to date is 90.30%. The scheduled accomplishment is 94.874%. The project will be completed programmed on the 30th of June 1981.

Please refer to Appendix "A" for summary of accomplishment report.

3.0 PERSONNEL:

3.1 Office Personnel

<u>DESIGNATION</u>	<u>NUMBER</u>
Project Engineer	1
Asst. Project Engineer	1
Engineer Trainee	2
Accounting Clerk	1
Clerical Aide	3
C.E. Aide	2
Laborer	5
Watchman	1
Service Jeep Driver	1

3.2 FIELD PERSONNEL:

<u>DESIGNATION</u>	<u>NUMBER</u>
Construction Foreman	1
Mason	1
Driver	1
Carpenter	2
Leadman	4
Survey Aide	3
Laborer	68
Contractor Personnel Manual Const.)	33

3.3 HEAVY EQUIPMENT & DUMP TRUCKS OPERATOR

<u>DESIGNATION</u>	<u>NUMBER</u>
Heavy Equipment Operator	12
Dump Truck Driver	3

4.0 EQUIPMENT:

4.1 Co-Implementor Sides:

<u>KIND</u>	<u>UNIT</u>
T.D.9	2
Dozer (D65A)	1
Dozer (D60A)	1
Backhoe	1
Loader	1
Grader	1
Dump Truck	2

4.2 Contractor Sides:

<u>KIND</u>	<u>UNIT</u>
Dozer (D7)	1
Loader	2
Trackshoe Excavator	1
Dump Truck	14

Contractor : AGNO CONSTRUCTION
 Project : PHASE I-B (310 Has.)
 Location : San Agustin, Bula, Camarines Sur
 Contract Amount: ₱ 3,372,543.37

I - GENERAL

ACTIVITIES:

For the period covered, the contractor's activities were:

- 1.1 Clearing and stripping for the end stations of R10-SFD2 and R8-SFD2.
- 1.2 Continue paddy fills at area between FAP-1 and FAP-2,
- 1.3 Continue site grading excavation at Rotational Area No. 12.
- 1.4 Hauling, spreading and compaction of common borrow fill for roads and farm ditches.

PROGRESS:

The work of the contractor is on and off. They stopped working on the first week of May and only resumed on the 16th of same month. On the 28th of May their work was stopped again.

The accomplishment of the contractor was very minimal. Actual accomplishment to date is 79.94%. The schedule accomplishment is 100%. The project contract completion was 27 May 1981.

The contractor did not show interest in completing the project even in this last month of their contract.

LIST OF PERSONNEL:

SUPERVISORS

- 1 - - - - - Project Manager
- 1 - - - - - Project Engineer
- 1 - - - - - Foreman

EARTHWORKS/EQUIPMENT OPERATORS:

- 2 - - - - - Dozer Operator
- 2 - - - - - Loader Operator
- 2 - - - - - Road Roller Operator
- 1 - - - - - Grader Operator
- 8 - - - - - Dump Truck Drivers
- 1 - - - - - Checker/Spotter

LIST OF EQUIPMENT

<u>KIND</u>	<u>NUMBER OF UNITS</u>
Dozer	4
Loader	2
Grader	1
Roller	2
Dump Trucks	8

Note: The two (2) dozers were not utilized throughout the month due to mechanical breakdown.

MATERIAL TESTING AND CONTROL

Laboratory and field testing results and findings for all materials for the construction of Phase I-B are discussed and explained at the last pages of this report. Most of the test were FIELD DENSITIES of embankments.

PROBLEM, COMMENTS AND RECOMMENDATIONS

The only problem for this phase is that, the contractor have no interest in finishing on time as scheduled. Construction equipment on site was capable to do the remaining earthworks but were not used effectively and productively during the month.

The bulk of the remaining activities is the construction of farm ditches and drainage ditches. The contractor could have been employed manual labor for this but did not follow repeated suggestions during the previous months. The backhoe which has just mobilized a few days before the month ends is still not utilized. It was recommended long time ago that manual excavation for "cut sections" and "plate compaction" for embankments construction of small irrigation and drainage canals could be employed.

The extended contract time lapse on 27 May 1981 and there was no reason why the contractor have not finished the project on time. Weather condition for the last five (5) months was generally fair and workability in the project area have been always good.

From 28 May 1981 up to the time the project is finished by the contractor, a daily liquidated damages of 1/10 of 1 % of the contract price amount will be charged to the contractor. As of May 30, 1981, Phase I pumps are operational and one (1) unit of the pumps will be on stand-by waiting the completion of Phase I-B service area. The project will loss one cropping season of about .300 hectares because of the delay.

It is requested that the contractor should submit a work schedule how and when could they finish the project. Their plans or strategy to complete the remaining work on the shortest time possible.

The description of work and progress chart follows.

Contractor : MAROSA ENTERPRISES

Project : (PHASE IV-A) CONSTRUCTION OF IRRIGATION AND DRAINAGE CANALS, FARM SERVICE ROADS, FARM ACCESS PATHS AND CANAL STRUCTURES.

Location : San Jose, Minalabac, Camarines Sur

Contract Amount: ₱ 8,672,159.25

The contractor stopped all construction activities for the whole month. Accomplishment for the period is the same as May report which is only 8.25%.

All of the contractor's personnel and equipment are on stand by the whole month.

There was no Materials Control and Testings activities on this project aside from the awaited compressive strength results of 2,000 psi concrete lining portion of the main canal which was tested at P.E.O.

The causes of the total shutdown of activities was the awaited approval of the project contract. All previously accomplished payable items by the contractor have not been paid and cannot be collected until the contract has been approved as required by COA. The Main Pumping Station No. 2 contract have been approved lately according to verbal information from MAR and were puzzled why this project contract was delayed.

Contractor : LGH CONSTRUCTION
 PROJECT : CONSTRUCTION OF MAIN PUMPING STATION NO. 2 WITH INTAKE CHANNEL.
 Location : San Jose, Minalabac, Camarines Sur
 Contract Amount: ₱ 2,308,674.70

I - GENERAL

1. ACTIVITIES:

The contractor's activities for the period were as follows:

- 1.1 Excavation of Intake channel continued.
- 1.2 Upper side slope trimming of the Intake Channel.
- 1.3 Reinforced concrete piles driving by water jetting.
- 1.4 Hauling and stockpiling of boulder for the grouted riprap side slopes of intake channel.

2. PROGRESS:

Work accomplishment to date is 39.241% and work on progress percentage is 12.932%. The dozer was used in excavation for thirteen (13) days and manual excavation on the side slopes in twenty one (21) days attaining considerable accomplishment on this item. Reinforced concrete pile driving continued by water jetting alone and have attain an addition of about four (4) meters average penetration below elevation 2.00. Boulders delivered on site amounted to about 120.00 cu.m. ready for grouted riprapping activities.

3. LIST OF PERSONNEL:

<u>DESIGNATION</u>	<u>NUMBER</u>
Project Manager	1
Project Engineer	1
Foreman	1
Laborers	8
Utilityman	2
Tool keeper	1
Dozer Operator	2

4. LIST OF EQUIPMENT:

<u>KIND</u>	<u>NUMBER</u>
Dozer	1
Water Pumps, 0.10 Ø	2
One Bagger Concrete Mixer	1
Vibrator	1
Water Tank	1
Water jetter	2

Remarks: The dozer was demobilized on the 15th day of the month.

5. MATERIALS CONTROL AND TESTING:

Intake channel soil conditions from natural ground surface at about elevation + 7.00 was investigated by TCGI Soil Engineer from Makati and have taken samples at selected layers down to elevation 0.00. Studies and findings results shows that the channel section encounters dense cemented sandy silt and slightly cemented sandy silt throughout the stretch. The proposed hand laid riprap was recommended to be changed by a grouted rip-rap to assure stability of the lower channel side slope from elevation 3.00 down to elevation - 2.00. Delivered boulders are acceptable for a 0.30 M. thick grouted rip-rap.

6. PROBLEMS:

The main problem was the awaited approval of the contract.

7. COMMENTS:

Because of the awaited approval of the project contract, the contractor have not fielded enough force to catch-up with the schedule due to non-payment of all previously accomplished activities by COA, requiring and awaiting the approved contract. The consultant was informed about the approval (12 April 1981 by Malacanang) and was received by MAR 13 May 1981.

Since the contractor have already a contract, it is requested that a revised work schedule be prepared and copy furnished to us.

Description of activities and progress chart follows.

STATEMENT OF WORK ACCOMPLISHMENT (MAI
LGH CONSTRUCTION
As of June 15, 198

ITEM NO.	DESCRIPTION OF WORK	UNIT	ESTIMATED QUANTITY	ESTIMATED COST (P)	TOTAL COST	% OF ITEM
1.0	MOBILIZATION & DEMOBILIZATION	L	S	382,200.00	16.55	
2.0	PROVISIONAL SUM FOR CONSTRUCTION MAINTENANCE	L	S	100,000.00	4.33	
3.0	CLEARING, GRUBBING	SQ.M.	1,930	2,084.40	.10	
4.0	EXCAVATION	CU.M.	13,160	105,816.00	7.20	
5.0	COMMON FILL	CU.M.	8,600	313,900.00	13.60	
6.0	SELECTED FILL	CU.M.	480	35,664.00	1.55	
7.0	GRAVEL BASE COARSE	CU.M.	360	35,730.00	1.55	
8.0	3000 PSI CONCRETE	CU.M.	77	97,421.17	4.22	
9.0	STEEL REINFORCING BARS	KGS.	6,400	69,760.00	3.02	
10.0	GROUTED RIPRAP	SQ.M.	876	63,641.40	2.80	
11.0	DERRICK STONE	SQ.M.	1,046	140,164.00	6.07	
12.0	HAND LAID RIPRAP	SQ.M.	3,194	175,989.40	7.62	
13.0	150 MM CHB	SQ.M.	57	7,341.60	.32	
14.0	REINFORCED CONCRETE PILES (.305 x .305)	LM	96	102,048.00	4.42	
15.0	REINFORCED CONCRETE PILES (.40 m x .40 m)	LM	18	21,276.00	.92	
16.0	51 mm Ø G.I. Pipe Railings	LM	231	23,903.88	1.04	
17.0	WIDE FLANGE (203 x 134 mm)	KGS.	515	6,360.25	.30	
18.0	CHANNEL SECTION	KGS.	560	6,916.00	.30	
19.0	ANGULAR STEEL	KGS.	270	3,334.50	.14	
20.0	STEEL PLATES (8 mm thick)	KGS.	730	9,015.50	.40	
21.0	CHECKERED PLATES	KGS.	2,550	31,245.50	1.35	
22.0	LIFTING ROD (20 mm Ø)	KGS.	25	300.00	.00	
23.0	STEEL STRAPS (60 x 8 mm)	KGS.	117	1,228.50	.00	
24.0	ANCHOR BOLTS (13 mm x .20m)	KGS.	24	288.00	.00	
25.0	STEEL PIPE DISCHARGE (.508 m Ø)	LM	115	337,559.50	14.62	
26.0	INTERLINKS, GA # 9	SQ.M.	110	3,080.00	.13	
27.0	TRASH RACK/STEEL GRATINGS	SQ.M.	17	17,926.50	.80	
28.0	GA 18 DOUBLE PANEL STEEL DOOR (2.10m x .55) GA 18 PRESSED STEEL	EA	1	2,445.60	.11	

ISHMENT (MAIN PUMPING STATION NO. 2) 2
 CONSTRUCTION
 June 15, 1981

ITEM	%	ACCOMPLISHMENT ON ITEM				%	ESTIMATED
		QUANTITY	PERCENTAGE (%)	CN	TOTAL		
OF THIS PERIOD	OF THIS PERIOD	THIS PERIOD	TO DATE	THIS PERIOD	TO DATE	ITEM	EXPENDITURES
00.00:16.55			55		55	91.03	210,366.67
00.00: 4.33	-	-		-			
84.40: .10		1,930		-	100	.10	2,084.40
16.00: 7.20		13,160			100	7.20	165,816.00
00.00: 13.60		5,160			60	8.16	188,496.63
64.00: 1.55							
30.00: 1.55							
21.17: 4.22							
60.00: 3.02		4,480			70	2.114	48,988.69
41.40: 2.80							
64.00: 6.07							
89.40: 7.62	958.20	2,235.8		30	70	5.334	123,349.29
41.60: .32							
048.00: 4.42			96		100	4.42	102,048.60
76.00: .92			18		100	.92	21,276.00
03.88: 1.04							
60.25: .30							
16.00: .30							
34.50: .14							
015.50: .40							
245.50: 1.35							
00.00: .001							
28.50: .005							
288.00: .001							
59.50: 14.62							
80.00: .133							
26.50: .80							
445.60: .11							

ITEM NO.	DESCRIPTION OF WORK	UNIT	ESTIMATED QUANTITY	ESTIMATED TOTAL COST	% OF ITEM
29.0	LOUVER BLADE WINDOW (.80 m x 1.20)	EA	5	2,225.00	.01
30.0	CONSTRUCTION DEWATERING (6.0 m x 11.0 m ELEV. 2.00 to ELEV. .80)	L	S	124,000.00	5.00
31.0	ELECTRICAL SYSTEM	L	S	25,900.00	1.12
TOTAL				2,308,764.70	100%

PREPARED BY:

CHECKED BY:

Teresta B. Cuadro
 TERESTA B. CUADRO
 C.E. Aide

Francisco E. N...
 FRANCISCO E. N
 Project Anal

-X-

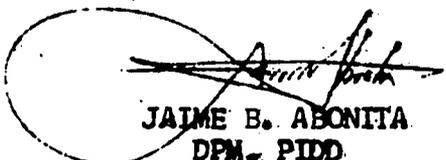
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		ACCOMPLISHMENT ON ITEM						ESTIMATED
ESTIMATED	%	QUANTITY	PERCENTAGE(%)	ON	TOTAL			
TOTAL	OF	THIS	TO	THIS	TO	CON-	EXPENDITURES	
COST	ITEM	PERIOD	DATE	PERIOD	DATE	TRACT		
2,225.00	.01	:	:	:	:	:		
124,000.00	5.00	:	:	35	35	1.89	43,556.67	
25,900.00	1.12	:	:	:	:	:		
308,764.70 100%							39.24	905,982.35

ED BY:

NOTED:


FRANCISCO E. MARGATE
 Project Analyst


JAIIME B. ABONITA
 DPM, PIDD

SUMMARY OF PROJECT MAJOR COMPONENTS AND THEIR
STATUS OF ACCOMPLISHMENT
As of JUNE 15, 1981

<u>ITEM NO.</u>	<u>PARTICULARS</u>	<u>ACCOM- PLISHMENT</u>	<u>REMARKS</u>
I	A & E Location Survey, Design, Plans & Specification Preparation (This has been contracted by Technosphere Consultants Group, Inc.		
	1) Phase I-A, 200 Has. (Review)	100%	Completed: 2-15-78
	2) Phase I-B, 310 Has.	100%	Completed: 9-30-78
	3) Phase IV, 1,031 Has.	100%	Redesigned to reduce Cost Completed: 5-31-80
	4) Phase II, 207 Has.	100%	Completed: 7-31-80
	5) Phase V, 248 Has.	100%	Completed: 7-31-80
	6) Phase III, 327 Has.	75%	Held pending until production wells completed to determine availability of ir- rigation ground water
	7) Main Pumping Station No. 1 and Stilling Pool, Phase I	100%	Completed: 9-30-78
	8) Main Pumping Station No. 2, Phase IV	100%	Completed: 7-31-80
	9) Irrigation Pumps for Pumping Station Nos. 1 & 2	100%	Completed: 9-30-78 7-31-80
	10) Production Wells for Phase III	100%	Completed: 7-31-80
II	Irrigation, Drainage, Roads and Appurtenant Canal Structures (Civil Works Construction)		

<u>ITEM NO.</u>	<u>PARTICULARS</u>	<u>ACCOMPLISHMENT</u>	<u>REMARKS</u>
1)	Pilot Phase, 100 Has.	28.10%	Suspended pending release of CY 1981 Appropriation.
2)	Phase I-A, 200 Has.	90.30 %	Contract terminated, September 3, 1980. A Memo Agreement between NIA & MAR-PMO has been executed to complete the work as called for.
3)	Phase I-B, 310 Has.	79.94%	Contracted by Agno Construction
4)	Phase IV-A, 530 Has.	6.67%	Contract not yet approved
5)	Main Pumping Station No. 1 Contractor: B.L. Cervantes Construction	100%	Completed: 7-31-80
6)	Stilling Pool & Spillway of Main Pumping Station No. 1 Contractor: M.B. Munar Construction	100%	Completed: 9-21-80
7)	Main Pumping Station No. 2, Phase IV Contractor: LGH Construction	39.24%	On going
8)	2.5 kms. concrete lined main irrigation canal for Phase I	100%	
III IMPORTED PUMPS			
1)	Supply and installation of two (2) irrigation pumps for Main Pumping Station No. 1 Contractor: Rockford Industries & Chemical, Inc.	100%	

<u>ITEM NO.</u>	<u>PARTICULARS</u>	<u>ACCOMPLISHMENT</u>	<u>REMARKS</u>
IV	MULTI-PURPOSE & SCHOOL BLDGS.		
	1) Multi-Purpose Bldgs.		
	a) Phase I, Bgy. San Ramon	100%	Completed: 6-30-78
	Bgy. San Agustin	100%	12-31-78
	b) Phase II, Bgy. Mataoroc	100%	1-30-80
	c) Phase III, Bgy. San Isidro	100%	12-31-78
	d) Phase IV, Bgy. San Jose	100%	9-30-80
	Bgy. Sagrada	100%	8-30-80
	2) Training Center Complex, Phase II		
	Contractor: OAS Builders, Inc.	100%	2-28-81
V	HOMESITE DEVELOPMENT		
	1) Bgy. San Ramon	100%	
	2) Bgy. San Ramon Waterworks System	22.841	On Schedule
	Contractor: BENSIA Construction		
	3) Subdivision & Monumenting of	100%	
	Homelots Brgy San Agustin		
VI.	PRODUCTION WELLS		
	1) Construction of 3 production		
	wells at Phase III	100%	
	Contractor: AGB Trading & Contractors		
	2) Construction of 3 Additional Production		Suspended pending
	Wells at Phase III		analysis of the re-
			sults of previous
			wells
VII.	OTHER RELATIVE COMPONENTS NOT FUNDED		
	BY THE PROJECT IMPLEMENTATION AND		
	CONSTRUCTED BY LINE AGENCIES STANDING		
	FUND		

<u>ITEM NO.</u>	<u>PARTICULARS</u>	<u>ACCOMPLISHMENT</u>	<u>REMARKS</u>
1)	Drilling of Test Wells at Bgy. San Ramon by BPW	100%	Completed: 12-31-75
2)	Construction of seven (7)-room School Bldg. at Bgy. San Ramon by BPW	100%	Completed: 12-31-75
3)	Three (3)-rm School Bldg. at San Isidro by BPW	100%	Completed: 4-30-78
4)	On-farm water Management Bldg. by NIA	100%	Completed: 12-11-75
5)	Seven (7) km main feeder road fr. Ste. Domingo to San Ramon by MPH thru BRBDP Bicol Secondary & Feeder Roads Project	100%	
6)	Ten (10) km, Main Feeder Road fr. Mataoroc to Baliwag Viejo by MPH thru BRBDP Bicol Secondary & Feeder Roads Project	100%	
7)	Other Feeder Roads connecting the Project Area Barangays by MPH thru BRBDP Bicol Secondary & Feeder Roads Project	100%	
8)	Energization of Bgy. Mataoroc by NEA	100%	
9)	Energization of Bgys. San Isidro, San Agustin & San Ramon by NEA thru CASURECO III		About to be completed

VIII INSTITUTIONAL & AGRICULTURAL COMPONENT

1)	Applied Agricultural Research	30.35%	
2)	Tenurial Development		
a)	Sub-division of Farmlot Pilot Phase	100%	
b)	Re-allocation of lots Pilot Phase	100%	
c)	Re-allocation of lots, Phase I-A	100%	
d)	Land Tenure Improvement, distribution and re-allocation of HL & FL	26.82%	On Schedule
3)	Organization of Irrigators' Ass'n., Bgy. Organization, Cooperatives, Women and Youth	48.48%	On Schedule
4)	Training of members of said organizations		

SUMMARY OF ACTIVITIES
 For the Period Ending JUNE 11, 1981
BUJA-MINALABAC, LAND CONSOLIDATION (BIDA II) PROJECT

ACTIVITY DESCRIPTION SUMMARY?

PARTICULARS		PMO	A & E	A & E	IRRIGATION,	
		ADMINISTRATION AND SUPERVISION	DETAILED ENG'G DESIGNS	CONSTRUCTION AND SUPERVISION	DRAIN., ROADS: AND CANAL STRUCTURES	IMPO PU
1. ESTIMATED COST	P	6,954,031.00	3,328,633.00	1,728,258.00	41,216,930.00	7,290
2. PERCENTAGE FROM TOTAL BUDGET	%	10.08	4.82	2.50	59.72	
3. ACCOMPLISHMENT THIS MONTH PROGRAMMED	%	1.65	-	2.72	2.51	
4. ACCOMPLISHMENT THIS MONTH ACTUAL	%	2.28	-	2.72	2.89	
5. ACCOMPLISHMENT TO DATE PROGRAMMED	%	50.34	100	43.98	47.40	
6. ACCOMPLISHMENT TO DATE ACTUAL	%	44.186	99.37	43.98	21.26	
7. PROJECTED ACCOMPLISHMENT FOR NEXT MONTH	%	1.65	-	2.72	2.51	
8. OVERALL ACCOMPLISHMENT TO DATE	%	4.45	4.79	1.10	12.70	
9. TOTAL EXPENDITURES THIS MONTH	P	158,894.90	-	-	-	
10. TOTAL EXPENDITURES TO DATE	P	3,072,707.55	3,226,495.17	517,955.11	7,135,218.17	1,42
11. % OF EXPENDITURES THIS MONTH		2.28	-	-	-	
12. % OF EXPENDITURES TO DATE		44.186	96.93	29.97	17.31	
13. PROJECTED EXPENDITURES NEXT MONTH	P	115,050.00	-	47,028.92	1,035,446.67	
14. PLANNED DATE STARTED		1-02-78	2-15-78	1-02-79	1-01-78	9-
15. ACTUAL DATE STARTED		1-02-78	2-15-78	1-02-79	1-01-78	9-
16. % OF TIME ELAPSED TO DATE		54.145	100	49.99	59.085	
17. a) BEHIND SCHEDULE		6.154	0.63	-	26.14	
b) AHEAD OF SCHEDULE						
18. REASONS/REASONS FOR DELAY (IF BEHIND SCHEDULE)						
19. REASON FOR COST OVERRUN						
20. FORECAST:						
a) EXPECTED COMPLETION DATE		12-31-83	7-31-80	6-30-83	6-30-83	12-
b) COST NECESSARY TO COMPLETE		6,954,031.00	3,328,633.00	1,728,258.00	41,216,930.00	7,290

PREPARED BY:

G. E. Pan, Jr.
GODFREDO V. PAN, JR.
 G.E. Aide

CHECKED BY:

Francisco E. Margate
FRANCISCO E. MARGATE
 Chief, Programming & Monitoring

Jaime B. Abo
JAIME B. ABO
 DPM, PID

PHYSICAL INFRASTRUCTURE DEVELOPMENT DIVISION					INSTITUTIONAL/AGRICULTURAL DEV. DIV.					
MULTI-PURPOSE SCHOOLS BUILDINGS	FARMLOT HOMESITE DEVELOPMENT	SUB-DIVISION SURVEY	R.O.W. & DAMAGES	TEST-RUN	SUB-TOTAL	APPLIED AGRICULTURAL RESEARCH	TENURIAL DEVELOPMENT	ORGANIZATIONAL DEVELOPMENT & TRAINING	SUB-TOTAL	TOTAL
282,510.00	4,376,600.00	685,650.00	410,000.00	1,481,000.00	61,806,111.00	71,000.00	46,920.00	138,920.00	256,840.00	69,016,982.00
1.86	6.34	1.00	0.59	21.15	89.55	0.10	0.07	0.20	0.37	100.00
11.70	2.46	-	1.63	1.44	1.93	2.35	2.71	2.86	0.01	1.94
-	-	-	-	-	2.02	2.35	2.71	2.86	0.010	2.03
88.30	31.42	20.67	18.70	15.78	45.64	41.32	32.25	51.19	0.189	45.83
79.57	11.87	1.13	0.28	2.04	27.382	41.32	32.25	51.19	0.189	27.571
-	2.46	-	1.63	1.44	1.93	2.35	2.71	2.86	0.01	1.94
1.48	0.75	0.01	0.002	0.04	27.382	0.03	0.019	0.09	0.139	27.571
-	-	-	-	-	158,894.90	-	-	-	-	158,894.90
964,514.22	519,618.50	7,720.54	1,097.00	30,247.50	16,669,521.79	2,552.00	1,470.00	20,486.35	24,508.35	16,852,925.04
-	-	-	-	-	2.28	-	-	-	-	2.28
75.21	11.87	1.13	0.28	2.04	24.153	3.59	3.13	14.75	0.035	24.418
-	107,858.33	-	-	21,333.33	1,326,717.25	1,666.67	1,272.50	3,972.50	6,911.67	1,333,628.92
4-01-78	1-02-78	9-01-80	7-01-80	9-01-80	-	1-01-79	4-01-78	3-01-78	-	-
4-01-78	1-02-78	9-01-80	7-01-80	9-01-80	-	1-01-79	4-01-78	3-01-78	-	-
92.31	54.145	20.59	42.855	17.50	-	45	52.94	57.82	-	-
8.73	19.55	19.54	18.42	13.74	18.448	-	-	-	-	18.448
3-31-81	12-31-83	6-30-83	3-31-83	12-31-83	-	12-31-83	11-30-83	6-30-83	-	-

282,510.00	4,376,600.00	685,650.00	410,000.00	1,481,000.00	61,806,111.00	71,000.00	46,920.00	138,920.00	256,840.00	69,016,982.00
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NOTED BY:

SUBMITTED BY:

Francisco S. Ramos
 FRANCISCO S. RAMOS
 OIC-IADD

Gregorio P. Beluan
 GREGORIO P. BELUAN
 Project Manager

SALVADOR PEJO, CESO II
 Project Director

BUKA-MUMALABANG LAND CONSOLIDATION (BICOL IDA II)
FOR THE PERIOD ENDING JUNE 15, 1961
FINANCIAL PROGRESS REPORT OF PROJECT IMPLEMENTATION

ITEM NO.	PARTICULARS	ESTIMATED AMOUNT	WT. %	%	10%	15%	20%	25%	30%	35%
I	FMD ADM. & SUPERVISION	<u>6,954,091.00</u>								
	a. Personnel Services	3,536,149.00	5.12							
	b. Operation & Maintenance	2,351,939.00	3.41							
	c. Office Eqpt. & Furniture	79,000.00	0.12							
	d. All others FMD	986,943.00	1.43							
II	PHYSICAL INFRA. DEVELOPMENT	<u>61,806,111.00</u>								
	a. A&E Det. Eng'g. Design*	3,328,633.00	4.82							
	b. A&E Const. Supervision*	1,728,258.00	2.50							
	c. Irrig. Drainage, Roads & Other Appurtenant Canal Structures *	41,216,930.00	59.72							
	d. Imported Pumps	7,296,350.00	10.57							
	e. HOMESITE DEVELOPMENT	4,376,600.00								
	1. Road Construction	2,946,300.00	4.27							
	2. Relocation Allowance	108,500.00	0.16							
	3. Toilets	550,800.00	0.80							
	4. Household Water Facilities *	771,000.00	1.11							
	f. Multi-Purpose & School Buildings	1,282,510.00	1.86							
	g. Farmlots Subdivision Survey	685,650.00	1.00							
	h. R.O.W. & Damages	410,000.00	0.59							
	i. Test-Run	1,481,000.00	2.15							
III	INST./AGR'L. DEVELOPMENT	<u>256,840.00</u>								
	a. Tenurial Development	46,920.00	0.07							
	b. Applied Agricultural Research	71,000.00	0.10							
	c. Organizational Dev't. & Training	138,000.00	0.20							
T O T A L		69,016,982.00	100							

LEAD: * Subject to Fixed Amount Reimbursement (FAR)

██████ % Expenditures Incurred This Month

██████ % Expenditures Incurred Previous

Prepared by:

[Signature]
TERESITA B. CUADERO
 C.E. Aide

1

MATERIALS QUALITY CONTROL AND TESTING

1.0 ACTIVITIES OF THE MONTH:

Tests performed for this month were mostly on Phase I-B. A total evaluation of all canal and road embankment was made. Soil classification tests were also performed on the intake channel of the Main Pumping Station No. 2, Phase IV-A to determine the stability of the slope against erosion and sliding.

1.1 For Phase I-B

Field Density Tests - - - - - 14
Classification and Compaction - - - - - None

1.2 For Phase IV-A

Field Density Tests - - - - - None
Classification and Compaction - - - - - None

1.3 For Main Pumping Station and Intake Channel

Field Density Tests - - - - - None
Soil Classification - - - - - 5

2.0 LABORATORY PERSONNEL:

<u>DESIGNATION</u>	<u>NUMBER</u>
Materials Engineer, TCGI	3
Materials Engineer, PMO	1
Laboratory Technician, PMO	1
Laboratory Aides, PMO	3

3.0 EQUIPMENT:

The status of equipment on hand is the same as of last month report. CBE testing equipment still cannot be used because of lack of penetration dials. Present capabilities of equipment on hand are still as follows:

3.1 Gradings; soil and aggregates.

3.2 Atterberg Limits.

3.3 Field Densities.

3.4 Compaction; T-99 and T-160

4.0 REMARKS AND RECOMMENDATIONS:

- 4.1 On Phase I-B, the following canal and road embankments were not tested due to not being ready for tests and/or due to lack of compaction. Pre-test site inspection shows that they will not pass. FDT and these are as follows. R11-D3, FAP-4 FAP-2 Right, R7-DFS3. R10-SFD3, R10-D3, R7-SFD1, R8-SFD1 and R7-SFD3. It is hereby recommended that all compaction equipment activities must be concentrated on these structures.
- 4.2 On Phase IV-A, there was no materials quality control and testing activities because the contractor suspended all their operations pending approval of the contract by the government.
- 4.3 On Main Pumping Station No. 2 Intake Channel, due to the non-cohesive properties of soils encountered during the excavation, it was suggested that a slope of 1.5:1 would be more stable than 1:1 against erosion and sliding.

5.0 SUMMARY OF TEST RESULTS:

The findings and results of all test performed in the field and in the laboratory are tabulated on the following pages.

TECHNOSPHERE CONSULTANTS GROUP, INC.
Manila, Philippines

MONTHLY SUMMARY OF FIELD DENSITY AND MISCELLANEOUS TESTS

PROJECT Phase I-B

MONTH JUNE 1981

DATE	STAGE OF WORK	SITE TEST-PROGRESSIVE OR SOURCES OF MATERIAL	TYPE OF TEST	TEST RESULT	SPECIFICATION REQUIREMENTS	NOTES
5/18/81	Canal & Road Embankment	R7-MFD 40 m from FAP-8	FDI	105%	95%	Passed
-do-	-do-	R7-MFD 70 m from FAP-8	-do-	103%	95%	Passed
5/21/81	-do-	R11-SFD 50 m from SFR-2	-do-	85.5%	95%	Failed
-do-	-do-	FAP-2 CB 150 m from FSR-2	-do-	96%	95%	Passed
-do-	Selected Borrow	FAP-2-150 m from FSR-2	-do-	102%	100%	Passed
-do-	Canal & Road Embankment	R8-SFD-1 50 m from FSR-2	-do-	90.3%	95%	Failed
-do-	-do-	R11-SFD 400 m from FSR-2	-do-	101%	95%	Passed

SOILS & MATERIALS ENGINEER 

TECHNOSPHERE CONSULTANTS GROUP, INC.
Manila, Philippines

MONTHLY SUMMARY OF FIELD DENSITY AND MISCELLANEOUS TESTS

PROJECT	Phase I-B		MONTH					June 1981
DATE	STAGE OF WORK	SITE TEST-PROGRESSIVE OR SOURCES OF MATERIAL	TYPE OF TEST	TEST RESULT	SPECIFICATION REQUIREMENTS	NOTES		
5/21/81	Canal & Road Embankment	FAP-8 180 m from Feeder Road	FDI	92.4%	95%	Failed		
-do-	-do-	R7-MFD 70 m from Feeder Road	-do-	96%	95%	Passed		
5/22/81	-do-	R11-SFD-1 25 m from FSR-2	-do-	101%	95%	Passed		
-do-	-do-	R11-SFD-1 75 m from FSR-2	-do-	101%	95%	Passed		
-do-	-do-	R8-SFD-1 150 m from FSR-2	-do-	96.7%	95%	Passed		
5/25/81	-do-	FAP-9 CB 15 m from Feeder Road	-do-	100%	95%	Passed		
-do-	-do-	FAP-8 CB 400 m from Feeder Road	-do-	95.4%	95%	Passed		

SOILS & MATERIALS ENGINEER



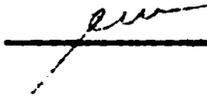
TECHNOSPHERE CONSULTANTS GROUP, INC.
Manila, Philippines

MONTHLY SUMMARY OF FIELD DENSITY AND MISCELLANEOUS TESTS

PROJECT Phase IV-A

MONTH June 1981

DATE	STAGE OF WORK	SITE TEST-PROGRESSIVE OR SOURCES OF MATERIAL	TYPE OF TEST	TEST RESULT	SPECIAL FICAP TEST RESULTS	NOTES
5/12/81	Canal Excav.	Sta. 0+140 Right Elevation 7.0 m	Soil Classification	Silt		Informational
-do-	-do-	Sta. 0+142 Right Elev. 3.0 m	-do-	Fine Silty Sand		-do-
-do-	-do-	Sta. 0+140 Right Elevation 3.0 m	-do-	Fine Cemented Sandy Silt		-do-
-do-	-do-	Sta. 0+137 Left Elevation 3.5 m	-do-	Medium to Fine Grained Sand		-do-
-do-	-do-	Sta. 0+138 Left Elevation 0.5 m	-do-	Coarse Sand		-do-

SOILS & MATERIALS ENGINEER 

STATEMENT OF WORK ACCOMPLISHED (PHASE I)
 AGNO CONSTRUCTION COMPANY
 As of June 15, 1981

ITEM NO.	DESCRIPTION OF WORK	UNIT	ESTIMATED QUANTITY	ESTIMATED TOTAL COST (₱)	% OF TOTAL
1.0	MOBILIZATION & DEMOBILIZATION	L.S.		112,500.00	3.335
2.0	CLEARING AND GRUBBING	SQ.M.	30,000	9,000.00	0.266
3.0	SITE GRADING EXCAVATION	CU.M.	103,584	994,406.40	29.490
4.0	CANAL EXCAVATION	CU.M.	64,830	364,992.90	10.822
5.0	EXCAVATION FOR CANAL STRUCTURES	CU.M.	1,817	22,494.40	0.666
6.0	DISPOSAL OF EXCESS MATERIALS	CU.M.	2,000	5,180.00	0.154
7.0	CANAL EMBANKMENT FILL	CU.M.	30,394	310,076.88	9.194
8.0	PADDY FILL	CU.M.	93,450	466,315.50	13.830
9.0	SELECTED BORROW FOR EMBANKMENT	CU.M.	5,800	212,499.60	6.290
10.0	COMMON BORROW FOR ROADWAY	CU.M.	17,360	252,067.20	7.474
11.0	BACKFILL FOR STRUCTURES	CU.M.	1,627	21,964.50	0.651
12.0	BASE COURSE FOR ROADWAY	CU.M.	3,450	173,362.50	5.140
13.0	CAST-IN-PLACE CONCRETE	CU.M.	246	145,368.78	4.310
14.0	STEEL REINFORCING BARS	KGS.	16,022	48,066.00	1.425
15.0	GROUTED RIPRAP	CU.M.	211	39,467.55	1.170
16.0	GRAVEL BLANKET	CU.M.	30	2,781.00	0.083
17.0	R.C. PIPES				
	a) 0.204 M Ø x 1.20 M	PCS.	205	6,143.85	0.182
	b) 0.31 M Ø x 1.20 M	PCS.	2	77.56	0.003
	c) 0.46 M Ø x 1.20 M	PCS.	3	416.25	0.012
	d) 0.61 M Ø x 1.20 M	PCS.	65	11,212.50	0.333
	e) 0.76 M Ø x 1.20 M	PCS.	10	2,587.50	0.063
	f) 0.91 M Ø x 1.20 M	PCS.	10	2,587.50	0.080
	g) 1.07 M Ø x 1.20 M	PCS.	5	1,612.50	0.050
18.0	LABORATORY BUILDING	UNIT	1	39,600.00	1.174
19.0	FIELD LABORATORY EQUIPMENT	UNIT	1	56,250.00	1.668
20.0	OFFICE EQUIPMENT				
	a) Plain Paper Copier	UNIT	1	27,810.00	0.825
	b) White Printing Paper Machine	UNIT	1	30,442.50	0.903
	c) Camera - 35 mm NIKKON	SET	1	10,890.00	0.323
	d) Horizontal Plan File Steel	SET	1	1,500.00	0.044
	e) Lettering Set	SET	1	1,350.00	0.040
T O T A L				3372,573.37	100%

LISHED (PHASE I-B)
 ION COMPANY
 5, 1981

2

ID	ACCOMPLISHMENT ON ITEM						ESTIMATED	TOTAL
	%	QUANTITY	PERCENTAGE (%)	%	ON P	EXPENDITURES		
OF	THIS	TO	THIS	TO	ON P	ITEM		
ITEM	PERIOD	DATE	PERIOD	DATE	ITEM			
.00	3.335	5	60	5	60	2.001	67,500.00	
.00	0.266	4500	25,500	15	85	0.226	7,650.00	
.40	29.490	10,358.4	93,225.6	10	90	26.541	894,965.76	
.90	10.822	868.72	32,415	1.34	50	5.411	182,489.95	
.40	0.666	163.53	1,635.3	9	90	0.598	20,201.72	
.00	0.154	0	0	0	0	0	0	
.88	9.194	2,492.31	25,834.9	82	85	7.815	263,565.34	
.50	13.830	40,183.3	74,760	43	80	11.064	373,052.4	
.60	6.290	870	4,350	15	75	4.717	159,374.7	
.20	7.474	572.88	15,624	3.3	90	6.726	226,860.48	
.50	0.651	146.43	1,464.3	9	90	0.585	19,768.05	
.50	5.140	230.81	1,552.5	6.69	45	2.313	78,008.265	
.78	4.310	1,121.54	14,419.8	7	90	3.879	130,822.123	
.00	1.425	17.22	221.4	7	90	1.282	42,236.4	
.55	1.170	52.75	189.9	25	90	1.053	35,513.200	
.00	0.083	2.1	27	7	90	0.074	2,495.703	
.85	0.182	0	155	0	75.60	0.137	4,644.75	
.756	0.003	0	2	0	100	0.003	77.56	
.25	0.012	0	3	0	100	0.012	416.25	
.50	0.333	0	65	0	100	0.333	11,212.50	
.750	0.063	0	10	0	100	0.063	2,137.50	
.750	0.080	0	10	0	100	0.080	2,587.50	
.250	0.050	0	5	0	100	0.050	1,612.50	
.00	1.174	0	1	0	100	1.174	39,600.00	
.00	1.668	0	1	0	100	1.668	56,250.00	
.00	0.825	0	1	0	100	0.825	27,810.00	
.250	0.903	0	1	0	100	0.903	30,442.50	
.00	0.323	0	1	0	100	0.323	10,890.00	
.00	0.044	0	1	0	100	0.044	1,500.00	
.00	0.040	0	1	0	100	0.040	11,350.00	
3.37 100%						9.687%	79.94 2696,035.151	

STATEMENT OF WORK ACCOMPLISHMENT (I
NATIONAL IRRIGATION ADMINISTRA
As of June 15, 1981

ITEM NO.	DESCRIPTION OF WORK	UNIT	ESTIMATED QUANTITY	ESTIMATED TOTAL COST (-P)	% OF ITEM
1.0	CANAL/CHANNEL EXCAVATION				
	a) Manual	cu.m.	20,935	235,100.05	12.63
	b) Mechanized	cu.m.	10,996	99,293.88	5.08
2.0	EXCAVATION OF STRUCTURES	cu.m.	1,166	15,659.38	0.80
3.0	ROADWAY EXCAVATION	cu.m.	3,816	33,199.20	1.70
4.0	STRUCTURE BACKFILL	cu.m.	756	20,245.68	1.04
5.0	COMMON BORROW				
	a) Side Borrow	cu.m.	15,737	357,702.01	18.31
	b) Inside Borrow	cu.m.	21,153	753,681.39	38.58
6.0	SELECTED BORROW	cu.m.	3,066	236,143.32	12.03
7.0	REINFORCED CONCRETE	cu.m.	138.97	153,334.18	7.85
8.0	PLAIN CONCRETE	cu.m.	18.83	18,245.52	0.93
9.0	RIP-RAP				
	a) Grouted Riprap	cu.m.	4.20	1,461.68	0.08
	b) Dry Riprap	cu.m.	41.285	4,236.25	0.21
10.0	R.C. Pipes				
	a) 18"Øx 1.00 M	pcs.	31	8,111.46	0.42
	b) 24"Øx 1.00 M	pcs.	6	2,190.12	0.11
	c) 36"Øx 1.00 M	pcs.	3	1,767.18	0.09
	d) 48"Øx 1.00 M	pcs.	12	9,367.80	0.48
11.0	GRAVEL BASE BLANKET	cu.m.	37.78	3,982.49	0.21
TOTAL				1,953,721.59	100%

PREPARED BY:

G. V. Pan, Jr.
GODFREDO V. PAN, JR.
C.E. Aide

CHECKED BY:

FRAN
Prc

2

ACCOMPLISHMENT (PHASE I-A, 200 Has.)
 ON ADMINISTRATION (NIA)
 June 15, 1981

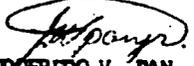
ITEM	%	ACCOMPLISHMENT ON ITEM				%	ESTIMATED
		QUANTITY	PERCENTAGE (%)	ON	TOTAL		
		This Period	To Date	This Period	To Date	ITEMS	EXPENDITURES
01	12.03	5,000	17,500	23.88	83.59	10.00	196,520.53
82	5.08	1,000	10,500	9.12	95.75	4.80	95,073.89
38	0.60	200	1,000	17.15	85.76	.69	13,429.48
20	1.70	1,000	3,500	26.20	91.72	1.50	30,350.30
68	1.04	100	700	13.20	92.59	.90	18,631.47
01	18.31	3,000	14,000	19.06	88.96	16.29	318,211.70
39	38.58	4,500	19,500	21.27	92.18	35.56	694,743.50
32	12.03	2,800	2,800	91.32	91.32	11.04	215,546.08
18	7.85	15	125	10.79	89.94	7.05	137,908.76
52	0.93	5	15	26.55	79.66	0.74	14,533.81
68	0.08		4,200		100	0.07	1,461.68
25	0.21	10	35	24.22	84.78	0.18	3,591.49
46	0.42	3	31	9.68	100	0.42	8,111.46
12	0.11		6	100	100	0.11	2,190.12
18	0.09		3	100	100	0.09	1,767.18
80	0.48		12	100	100	0.48	9,367.80
49	0.21	5	30	13.23	79.41	0.16	3,162.49
59	100%					90.32	1764,601.34

CHECKED BY: *[Signature]*
 FRANCISCO E. MARGATE
 Project Analyst

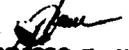
NOTED BY: *[Signature]*
 JAIME B. ABONITA
 DPM (PIDD)

-X-

PREPARED BY:


GODOFREDO V. PAN, JR.
C.E. Aide

CHECKED BY:


FRANCISCO E. MARGATE
Project Analyst

NOTED BY:

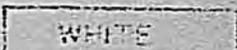
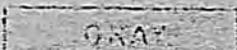
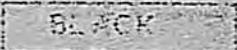

ELAINE B. ABONITA
DPM, PIDD

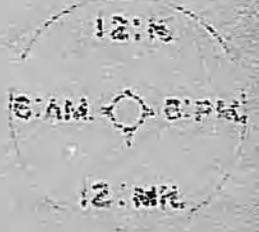
GOA - MARGALABAD, LAND CONSOLIDATION (MICO) 10A 11 - 12 1981

MONTH OF MAY 16 - 31 1981

FRIDAY SATURDAY SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	<p>WEATHER CHART</p>			

- LEGEND:
-  YELLOW
 -  WHITE
 -  CLOUDY
 -  GRAY
 -  RAIN/THUNDER
 -  HEAVY RAIN
 -  BLACK
 -  STORMY



WORLD WEATHER AND CONSULTATION CENTER (DA 11-1) REPORT

MONTH OF

JUNE 1 - 15

1981

MONDAY

TUESDAY

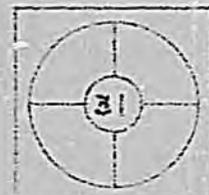
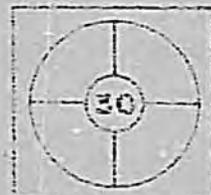
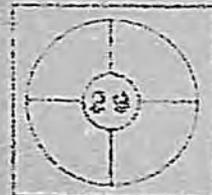
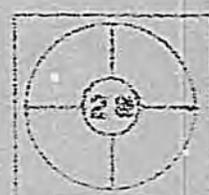
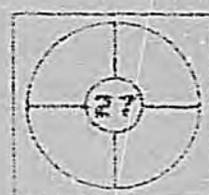
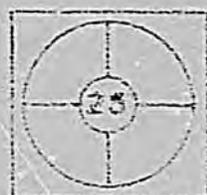
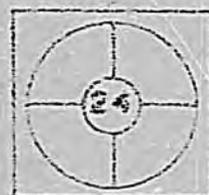
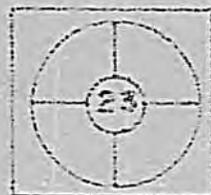
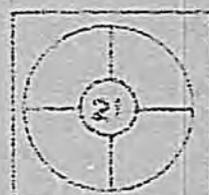
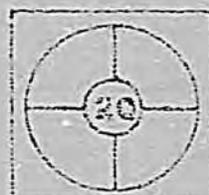
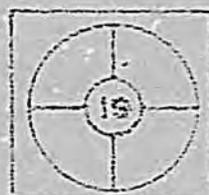
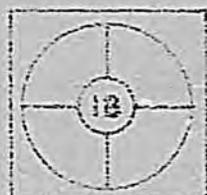
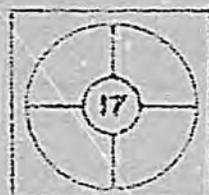
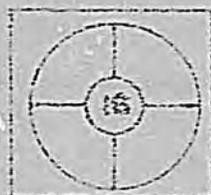
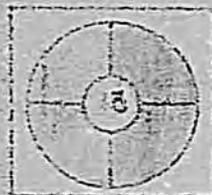
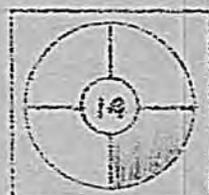
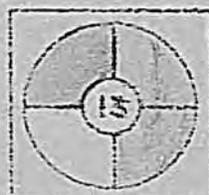
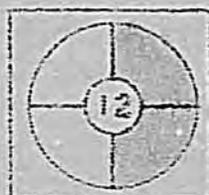
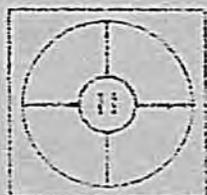
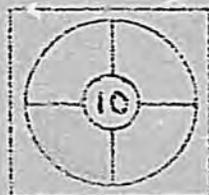
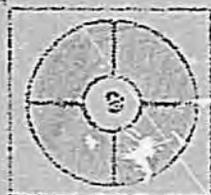
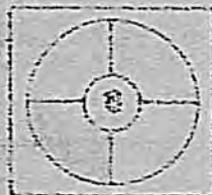
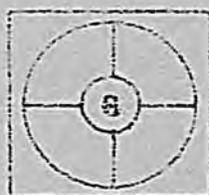
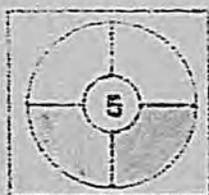
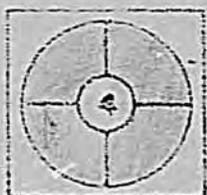
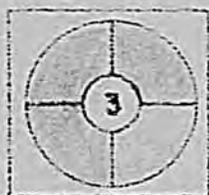
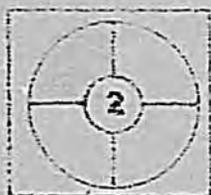
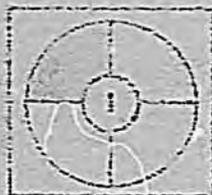
WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

SUNDAY



LEGEND:

YELLOW

FAIR

WHITE

CLOUDY

GRAY

RAINSOWER

HEAVY RAIN

BLACK

STORMY

WEATHER CHART



REPLY OF