

REPUBLIC OF INDONESIA  
MINISTRY OF PUBLIC WORKS  
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT

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ISN-32937

THE CITANDUY RIVER BASIN  
DEVELOPMENT PROJECT

CONTRACT NO. KAB. 9/2/14  
CITANDUY I  
(ADDENDUM 3)

REPORT FOR THE PERIOD

MARCH 1983

SUBMITTED BY

PRC ENGINEERING CONSULTANTS INTERNATIONAL  
A DIVISION OF PRC ENGINEERING INC.  
ENGLEWOOD, COLORADO, U.S.A. - BANJAR, WEST JAVA, INDONESIA

USAID/Indonesia  
Information Center

PDAAN 691

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April 11, 1983

Directorate General of  
Water Resources Development  
Ministry of Public Works  
Jalan Pattimura No. 20  
P.O.Box 23/KBT  
Kebayoran Baru, Jakarta

Attn: Ir. Pramudo  
Director of Rivers

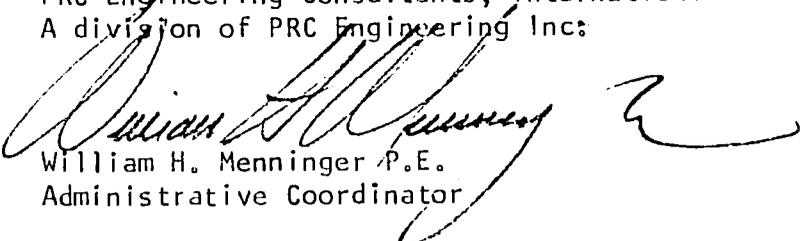
Our file: 1262-C/5  
18/1983  
JD20/1983  
Subject : Monthly Report for  
March 1983  
Citanduy Contract  
No. Kab. 9/2/14 - Citanduy I -  
(Addendum 3)

Dear Sir;

We herewith submit the Monthly Report for March 1983.  
This report reflects the activities of work under the contract  
No. Kab. 9/2/14 (Addendum 3).

The Consultant expresses their appreciation to the D.G.W.R.D.,  
Directorate, Citanduy Project and U.S. AID for their cooperation  
and assistance.

Very truly yours,  
PRC Engineering Consultants, International  
A division of PRC Engineering Inc:

  
William H. Menninger P.E.  
Administrative Coordinator

Encl: Twenty (20) copies

CC : U.S. AID/Jakarta - Mr. M.E. Hauben  
Project Officer  
Eight (8) copies  
Citanduy Project - Ir. Martono  
Citanduy Project Manager  
Eight (8) copies  
PRC/ECI - Dr. K.L.V. Ramu  
Project Sponsor  
Two (2) copies

File

WHM/n

## PROGRESS REPORT

### 1. Summary

This report covers the activities of the Consultant for March 1983 under Contract Kab. 9/2/14 (Addendum 3).

#### Construction

- a. Cilisung Siphon and drain shows good progress.
- b. All levee works continued to improve.
- c. Desilting-basin construction improved and completed during March 1983.
- d. Irrigation system rehabilitation slowed down its construction operation.
- e. Cirapuan Drainage rehabilitation work resumed operation.
- g. New irrigation construction improved during March 1983.

#### Others

No progress has been made on negotiations for Addendum 3 or extension of Addendum 2 which covers the services of the construction engineer.

## II. Progress by Work Area

### a. Construction

#### General

Construction activities on all on-going contracted works, funded under the Aid Loan No. 497-T-039 has now slowed down. Most of the works are now 100% completed or about to be completed. Those works that are still in full operation are either those works that were delayed due to Right of Way problems or those works that were late in the commence of operation. Unless new tenders of works are initiated we will find several field personnel idle during part of the dry season and it is expected that some contractors will be deprived of the good season for construction.

Progress shown is for March 1983.

#### Flood Control

Levees. Again, rainfall was insignificant during March 1983 and had little impact on the construction schedule. All the on-going contracted levee works have shown again improved progress. Most of these works were 100% completed during March and only a few were not completed to 100%, however it is safe to assume that all on-going levee contracts, except the masonry wall under contract with C.V. Sari Karya Mukti, will be 100% completed by the end of April 1983.

The average percent of total item of levee works for the month of March was 1.7%.

Structures. Similar of the levee works rainfall during March was also insignificant and had very little impact on the progress of construction. Almost all structure works indicated satisfactory progress. The only works that did not have good progress is the Tunggilis flapgate structure which is under contract with CV Sukamaju. This contractor has been plugged by many problems. Firstly, the site has always been inundated by the continuous swelling of the river. And secondly delivery of construction materials are slow due to poor access. Delivery by vehicle is not feasible & hauling from the nearest road to the structure site is by man power.

The average percent of total item or structure works during March 1983 was 6.3%.

#### Irrigation and Drainage Rehabilitation

Irrigation. Again the irrigation rehab. works did not show significant progress during March 1983. Only the silt ejector works under contract with P.T. Bondongan indicated very satisfactory progress and as expected it was 100% completed at the end of March 1983. Only minor finishing works and maintenance implementation for one month period is being accomplished during April 1983.

The irrigation rehab. works at North Lakbok Secondary Canals - Pulo Erang, Biuk, Bojong Rangkok and Sindang Angin, under contract with CV Gemah Ripah, are still without improved progress. The contractor has carried on with a very limited activities and the progress was again negligible.

The Bantardawa Secondary Canal, North Lakbok area, under contract with CV Punianjung, still without significant progress. The contractor is still burdened with financial problem.

The average percent of total item of works for March 1983 was 1.9%.

Drainage. Contrary to the irrigation rehab works, the drainage rehab. construction continued to improve despite rather adverse weather condition. This can be partly attributed to the release of right of way that made it possible for the contractor to proceed with the construction operation.

The average percent of total item of works during March 1983 was 10.5%.

#### New Irrigation Work

Panulisan. Again the progress of construction of Panulisan New Irrigation system has improved over last month accomplishment. They have accomplished over twice as much production of last month effort inspite of the occasional poor weather. However, the contractor has failed again to achieve the targeted production that can come close to the time schedule submitted. Moreover the contractor is still trying all effort to achieve more progress in order to be still within the completion schedule.

The percent of total item of work was 9.0% during March 1983.

### Terminal System

The only tertiary works under contract is now almost complete and very soon the proyek will be without activities in the construction of terminal system once the last contracted work is completed. Unless tendering of remaining works is initiated soon there will be several field personnel idle during dry and good weather for construction.

The percent of total item of work during March 1983 was 6.1%.

### Status of U.S.AID Work

The construction progress as discussed above relates only to the progress of the currently active construction projects. The progress is measured by the amount of earnings compared to the tender values of each individual contract.

The financial progress previously described does not reflect the physical work covered by the U.S. AID Loan No. 497-T-039. The actual status of the work and the physical progress to the end of March 1983 is as follows :

<u>Item</u>	<u>Est. Total 1976 Price - Rp.x10<sup>6</sup></u>	<u>Estimated Weight of Total Work</u>	<u>Percent of Total Work Contracted</u>	<u>Percent of Total Work Completed</u>	<u>Total Weighted Percent of Progress</u>
Flood Control Levees	4,331.291	55.3	95.6	94.4	52.2
Flood Control Structures	1,184.729	15.1	90.5	71.3	10.8
Irrigation Rehab.	876.492	14.2	97.7	91.1	10.2
New Irrigation	81.144	1.0	100.0	17.0	0.2
Drainage	945.961	12.1	94.7	75.2	9.1
Terminal System	414.337	5.3	74.5	73.9	<u>3.9</u>
Total Progress To Date					86.4

During the first quarterly period the construction progress has improved again over that of last quarterly period despite occasional rain and various problems of construction. This is evidenced by the several contracted works completed during the period. The improved progress can be attributed mainly to the efficient preparation of the contractors and their big determination to complete their contracted works. The only problems that lead to the minor delay of completion by a few was the delay in release of right of way.

Also, during the first quarterly period final inspection of several completed works was accomplished. Some have been recommended for acceptance and some were still held up for corrections of minor and major deficiencies.

The following were the works completed and inspected for acceptance.

A. Flood Control Levee & Structures:

-Kr.651 - Kr.703 - Citanduy Left Levee	-	P.T. Sekayu
-Kn.743 - Kn.786 - Citanduy Right Levee	-	P.T. Sekayu
-Cr.0 - Cr.245 - Ciseel R. Left Levee	-	P.T. Pemb. Perumahan
-Kr.703 - Kr.713 - Citanduy Left Levee	-	P.T. Pemb. Perumahan
-Kr.833 - Kr.981 - Citanduy Left Levee	-	P.T. Pemb. Perumahan
-SD.1 - SD. 13 - Citanduy Left Levee	-	P.T. Pemb. Perumahan
-Kn.593 - Kn.659 - Citanduy Right Levee	-	P.T. Hutama Karya
-Kn.786 - Kn.791 - Citanduy Right Levee	-	P.T. Hutama Karya
-Kn.799 - Kn.916 - Citanduy Right Levee	-	P.T. Hutama Karya
-Cnm.1 - Cnm 102- Ciseel Right Levee	-	P.T. Hutama Karya
-Cnm.1 - Cn.282 - Ciseel Right Levee	-	P.T. Hutama Karya

B. Irrigation Rehabilitation:

-Paniisan, North Lakbok Secondary Canal System	by	P.T. Bondongan
-Pataruman Silt Ejector	by	P.T. Bondongan
-Ciputrahaji IIA 2nd Canal System	by	C.V. Sukamaju

C. Drainage Rehabilitation:

-Cilisung Drain	-	P.T. M.B.R.C.
-North Lakbok, Manganti I & II Secondary Drain	-	P.T. M.B.R.C.

D. Terminal System:

-North Lakbok IV Terminal System	-	C.V. Karya Mulya
-North Lakbok V Terminal System	-	C.V. Mulya Jaya
-North Lakbok VII Terminal System	-	C.V. Kerta Bakti
-North Lakbok VIII Terminal System	-	C.V. Budi Mukti

### III. Problems

#### Construction

- a. Wet embankment materials
- b. Flooding of structures under construction
- c. Dewatering problem
- d. Right of way problems
- e. Bank Erosion
- f. Slope Stability

#### Others

Delays in negotiation proceedings.

#### IV. Anticipated Services

##### Construction

- a. Assistance in construction supervision.
- b. Final inspection of completed A.I.D. Loan Works.
- c. Assistance in borrow location survey.
- d. Quality control assistance.
- e. Advise on dewatering method.
- f. Advise on laboratory test method.
- g. Advise and assistance on the tendering activities.
- h. Progress monitoring.
- i. Advise on river closure embankment construction procedure.

##### Others

Discussions with U.S. AID and D.O.R. regarding negotiations and possibly reduction of scope for Addendum 3 due to time delays.

TABLE I  
 IMPORTANT EVENTS, CONFERENCES AND FIELD TRIPS DURING  
 MARCH 1983

<u>Date</u>	<u>Location</u>	<u>Purpose</u>	<u>Participant</u>
24-3'83	DPMA Bandung	River closure embankment instrumentation & construction method.	Ir. Tatang - DPMA Ir. Gunawan - DPMA Ir. Sugiyanto - ProCit Mr. D.P. Villasenor - PRC/ECI
29-3'83	Banjar	River closure embankment instrumentation system.	Ir. Tatang - DPMA & Staff Ir. Suharyono - ProCit Ir. Sembiring - ProCit Ir. Bambang - ProCit Mr. D.P. Villasenor-PRC/ECI

TABLE II  
CONSULTANT TEAM

A. Personnel Present

Villasenor D.P.	Construction Engineer	Philippines
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B. Schedule to Arrive

None

C. Schedule to Depart

None

D. Local Staff

Utilizing Citanduy II Personnel

TABLE III  
COUNTERPART TEAM

<u>Area</u>	<u>Per Contract</u>	<u>Actual</u>	<u>Personnel</u>
Construction	0	0	

TABLE IV  
 CONTRACT STATUS ADDENDUM 3  
 DOLLAR BUDGET AND MAN MONTH  
 PERIOD ENDING : DECEMBER 31, 1982

Items	Budget	Total Expenditure	Balance
1. Resident Staff Base Salaries			
2. Overseas Differential : Res.			
3. Overhead Resident Staff			
4. A. TDY & Denver Staff Salaries			
B. Special Expert			
5. Overseas Differential : TDY			
6. Overhead - TDY and Denver		(Awaiting Contract)	
7. Travel (International)			
8. Per Diem			
9. Relocation			
10. Other Direct Dollar Cost			
11. Indonesia Admin. Personnel			
12. Special Equipment Purchases			
13. Training Ministry Personnel			
(a) Overseas (U.S.A.)			
(b) In-Country (Indonesia)			
14. Fixed Fee			
15. Contingencies			
<hr/>			
Total			
<u>Man Month</u>			
Resident Staff			
TDY & Denver Staff			

TABLE V  
 CONTRACT STATUS ADDENDUM 3  
 RUPIAH BUDGET  
 PERIOD ENDING : FEBRUARY 1983

Item	Balance <u>a/</u> Addendum 2	Balance Addendum 3 <u>a/</u>	AMOUNT IN RUPIAH	
			Approved 10/10/1982 thru 2/28/1983	
1. Local Per Diem	308,750	-	400,250	
2. Cable and Telephone	1,661,611	-	-	
3. Postage	884,795	-	-	
4. Reproduction & Printing	413,211	-	18,500	
5. Incountry Transportation	10,326,059	-	-	
6. Materials and Supplies	1,269,982	-	9,800	
7. Miscellaneous	4,303,266	-	648,580	
<b>Total</b>	<b>19,167,674</b>	<b>-</b>	<b>1,077,130</b>	

a/ Awaiting New Contract Budget