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REPUBLIC OF INDONESIA
MINISTRY OF PUBLIC WORKS AND ELECTRIC POWER
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT

24p.

THE CITANDUY RIVER BASIN
DEVELOPMENT PROJECT

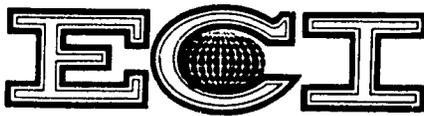
CONTRACT NO. KAB. 9/2/14

MONTHLY REPORT FOR THE PERIOD
Ending: 28 February 1977

SUBMITTED BY:
ENGINEERING CONSULTANTS, INC.
DENVER, COLORADO USA - BANJAR, INDONESIA

HOME OFFICE

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ENGINEERING CONSULTANTS, INC.

REPLY TO:

PROYEK CITANDUY, JL. CIMARAGAS NO. 1
BANJAR, WEST JAVA, INDONESIA
CABLE: "ECIBANJAR"

March 25, 1977

Directorate General of
Water Resources Development
Ministry of Public Works
and Electric Power
Jalan Pattimura No. 20
Kebayoran Baru, Jakarta
Attn: Ir. Y. Sudaryoko
Director of Rivers

Our file: 1195/62
48/1977

Subject : Monthly Report
Citanduy River Basin
Development Project
Contract No. Kab. 9/2/14

Dear Sir:

We are herewith submitting our first monthly progress report which covers the month of February 1977. This report reflects the activities of work under the present Contract No. Kab. 9/2/14.

The format of this report follows the requirements and guidelines called for under the above contract for evaluation of contract progress.

Very truly yours,
Engineering Consultants, Inc.

Encl: Twenty five (25) copies of
Progress Report No. 1

CC:

1. USAID/Jakarta, American Embassy
Jakarta Republic of Indonesia
Attn: Dr. Gerrit Argento
Program Section
Eight (8) enclosures
2. Directorate of Rivers. Banjar Office
Attn: Ir. Soebandi Wirosoemarto
Citanduy Project Manager
Five (5) enclosures
3. ECI/Denver
Attn: Mr. C.M. Langford, Project Director
Three (3) enclosures
4. ECI/Staff. Banjar.

A handwritten signature in cursive script that reads "Jack Earl Farmer".

Jack Earl Farmer
Resident Manager

MONTHLY REPORT FOR THE PERIOD

Ending: 28 February 1977

TABLE OF CONTENTS

	<u>Page</u>
Chapter I - GENERAL	1
" II - PERSONNEL	2
" III - IMPOPTANT EVENTS, CONFERENCES AND FIELD TRIPS	9
" IV - MAJOR PROBLEM AREAS	14
" V - PROGRESS	15
" VI - PROGRAM	19
" VII - BUDGET STATUS	20

I. GENERAL

The present Contract No. Kab. 9/2/14 for Engineering Services for the Citanduy River Basin Development Project under AID Loan No. 497-T-039 dated October 28, 1976, between the Ministry of Public Works and the Consultant (Engineering Consultants, Inc.) ECI was also the Consultant under the previous contract and loan therefore the contract is an extension of the previous work called for under the plans for total Basin Development.

Work under the old Contract was finalized under an agreement between the Ministry and the Consultant which called for December 31, 1976 to be the ending work day but billing was allowed until March 31, 1977 for work up to that time. There was some minor remaining work by the Consultants that was not finished due to lack of surveys and data from Proyek and the Consultant agreed to finish this at no charge for their labor within 90 days after receiving the surveys and data.

The negotiations for engineering services started in August 1976 and continued into January 1977, with the Consultant paying the stamp tax on the 10th of January, but the contract was not final signed by the Ministry until February 10, 1977. The Notice to Proceed dated February 14, 1977 was delivered to the Consultant in Banjar on February 16, 1977 during a meeting with the Directorate of Rivers.

The Consultants Resident Manager Mr. Farmer and his staff Dr. Russell, Mr. Dennis and the administrative staff of three have been at work since the 1st of January 1977. However as the Notice to Proceed was not issued until February 1977, this will be the first month for time starting for report submittals as called for under the Contract.

II. PERSONNEL

A. Present at last of January

- | | | |
|-----------------------|-------------------------|----------|
| 1. Jack Earl Farmer | - Resident Manager | - U.S.A. |
| 2. N.F. Dennis | - Construction Engineer | - U.S.A. |
| 3. William J. Russell | - Farm Management | - U.S.A. |

B. Arrivals subsequent to last of January

- | | | |
|--------------------------|---|-------------|
| 1. Edward A. Polasky | - I & D Engineer | - U.S.A. |
| 2. Saeed A. Rana | - Water Resources Eng.
(TDY) | - Pakistani |
| 3. J. Carroll McReynolds | - Soil Mechanics &
Material Engineer | - U.S.A. |
| 4. Paul D. Squibb | - Surveyor | - U.S.A. |

C. Departures subsequent to last of January

None

D. Scheduled to arrive in March 1977

- | | | |
|--------------------|------------------|----------|
| 1. Glen R. Simpson | - O & M Engineer | - U.S.A. |
|--------------------|------------------|----------|

E. Scheduled to depart in March 1977

- | | | |
|------------------|---------------------------------|-------------|
| 1. Saeed A. Rana | - Water Resources Eng.
(TDY) | - Pakistani |
|------------------|---------------------------------|-------------|

F. Scheduled to arrive at a later date:

1. M.F. Thomsic	- Watershed	- U.S.A.
2. L.Y. Ehrlich	- Planning Engineer	- U.S.A.
3. K.L.V. Ramu	- TDY Engineer	- Indian
4. J.R. Groves	- Economist	- U.S.A.

G. Scheduled to depart at a later date:

Unknown

H. Administrative personnel present:

1. Nungki S.W.	- Secretary	- Indonesian
2. Pauline Sulianti	- Interpreter	- "
3. F.I. Susanti	- Clerk/Typist	- "
4. Aan Surtiani	- Typist	- "

I. Counterpart Team:

(See Table IV)

End of Month (February 28, 1977) Strength

Resident Staff	- 6
TDY Staff	- 1
Administrative Staff	- 4
Counterpart Team	- 27

(Administrative Staff - Cumulative Man - Months)

DESCRIPTION		1 9 7 7												TOTAL
POSITION TITLE	NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SECRETARY	NUNGKI. S. W.	1.00	2.00											
INTERPRETER	SULIANTI. P.	1.00	2.00											
TYPIST / CLERK	SUSANTI	1.00	2.00											
TYPIST	SURTIANI		0.30											
TOTAL		3.00	6.30											

TABLE III ARRIVALS AND DEPARTURES

(ECI)

NAME	POSITION	ARRIVED	DEPARTED
<hr/>			
Expatriate Specialists			
<hr/>			
1. C.M. Langford	Project Director	January	February
2. J.E. Farmer	Resident Manager	1/ 1/77	-
3. W.J. Russell	Agronomy/Land Use	1/ 1/77	-
4. N.F. Dennis	Construction Engineer	1/ 1/77	-
5. E.A. Polasky	Irr. & Drain. Engineer	2/ 2/77	-
6. P.D. Squibb	Surveyor	19/ 2/77	-
7. J.C. McReynolds	Soil & Material Engineer	19/ 2/77	-
8. S.A. Rana	Water Resources Engineer	11/ 2/77	-
<hr/>			
Administrative Staff			
<hr/>			
1. Nungki S.W.	Secretary	1/ 1/77	-
2. Pauline Sulianti	Interpreter	1/ 1/77	-
3. F.I. Susanti	Clerk/Typist	1/ 1/77	-
4. Aan Surtiany	Typist	21/ 2/77	-

TABLE IV ARRIVALS AND DEPARTURES
(Counterpart Team)

NAME	POSITION	ARRIVED	DEPARTED
1. Ir. Soebandi Wirosoemarto	Team Leader	1/ 2/77	-
2. Ir. Sriyono Mitrosutarno	Deputy Team Leader I	1/ 2/77	-
3. Ir. Satriyo Untung	Deputy Team Leader II I & D Engineer Planning Engineer	1/ 2/77	-
4. Drs. Y. Sitanggang	Soil Mechanics & Material Engineer	1/ 2/77	-
5. Ir. Darmadi	Const. Engineer	1/ 2/77	-
6. Ir. Setiyadi	Const. Engineer	1/ 2/77	-
7. Drs. Subagyo	Surveyor	1/ 2/77	-
8. Ir. M. Djihad	O & M Const. Equipment	1/ 2/77	-
9. Ir. Dahnil Z	O & M Const. Equipment	1/ 2/77	-
10. Ir. Imam Hidayat	Planning Engineer	1/ 2/77	-
11. Drs. M. Rianto	Watershed Management	1/ 2/77	-
12. Drs. Supardiyono	Economist	1/ 2/77	-
13. Ir. Bambang Sudibyo	Agronomist/Land Use	1/ 2/77	-
<hr/> Assistant Counterpart <hr/>			
1. Martono B.E.	Soil Mechanics & Materials Engineer	1/ 2/77	-
2. Srihartono	Soil Mechanics & Materials Engineer	1/ 2/77	-
3. Mugiono	Const. Engineer	1/ 2/77	-
4. B. Subiyandono	Const. Engineer	1/ 2/77	-
5. Dradjat Suhardjo	Surveyor	1/ 2/77	-
6. Agus Wardoyo	Surveyor	1/ 2/77	-
7. Suharto	O & M Engineer	1/ 2/77	-
8. Mulyono B.E.	O & M Const. Equipment	1/ 2/77	-
9. Irsjad B.M.E.	O & M Const. Equipment	1/ 2/77	-

TABLE IV ARRIVALS AND DEPARTURES

(Continued)

NAME	POSITION	ARRIVED	DEPARTED
10. Tristiyar	I & D Engineer	1/ 2/77	-
11. Sutarto	I & D Engineer	1/ 2/77	-
12. Sunaryo	I & D Engineer	1/ 2/77	-
13. Sutadi	Watershed Soil & Water Conservation	1/ 2/77	-
14. Y.B. Sugeng B.Sc.	Economist	1/ 2/77	-

DRAFTSMEN			
1. Mochamad Lathief	Draftsman	1/ 2/77	-
2. Walaman	Draftsman	1/ 2/77	-
3. Maman Suhana	Draftsman	1/ 2/77	-
4. Dasiran	Draftsman	1/ 2/77	-
5. Soepardjo	Draftsman	1/ 2/77	-
6. Ade Rustandi	Draftsman	1/ 2/77	-
7. Dedi Sutardi	Draftsman	1/ 2/77	-
8. Komarudin	Draftsman	1/ 2/77	-
9. Bambang Edy Subandrio	Draftsman	1/ 2/77	-

IIIA - IMPORTANT EVENTS, CONFERENCES AND FIELD TRIPS

<u>No.</u>	<u>Day of Month</u>	<u>Location</u>	<u>Purpose</u>	<u>Personnel</u>
1.	6-10	Jakarta	Meetings with Directorate.	Langford, Farmer, Dennis.
2.	12-17	Banjar	Meetings with Bill Libby - AID.	All ECI Staff.
3.	16	Banjar	Meeting with Directorate-Proyek and Mr. Libby (AID)	Langford, Rana and All ECI Staff.
4.	17	Banjar	Meeting with Equipment Working Team	Farmer, Dennis.
5.	23-26	Bandung	Meetings with DPMA Regard Water Balance Study.	Rana, Iman.
6.	23	Langensari PDF	Inspection.	Russell, Polasky, and Bambang.
7.	24	Padaringan PDF	Inspection & meeting with village Chief of Langensari.	Russell, Polasky and Bambang.
8.	24	Central Java	Inspection of Irrig. System	Dennis, Subiandono.
9.	25	Banjar	Meeting with chief of Irrigation Banjar Kecamatan.	Russell, Bambang.
10.	20-28	Bandung-Bogor-Jakarta	Collection of data & maps plus meeting with officials.	Russell, Rianto.

IIIB - SCHEDULE OF SUBMITTALS

		Month from Starting Date	No. of Copies	
			Client	USAID
1. Work Plan of Project, including Construction Program.	Draft	3	25	6
	Final	6	50	20
2. Proposal for Training Program.	Draft	3	25	6
	Final	6	50	20
3. Report on Procedures and Manual of Construction Inspection.	Draft	4	25	6
	Final	7	50	20
4. Report on Procedures and Manual of Laboratory and Field Testing.	Draft	4	25	6
	Final	7	50	20
5. Feasibility Study to Cover the Economic and Technical Analysis of Banjar Irrigation System.	Draft	6	25	6
	Final	9	50	20
6. Design Report - Banjar Plains Irrigation System.	Draft	12	25	6
	Final	15	50	6
7. Work Program for Erosion Control in the Upper Citanduy Basin.	Draft	30	25	6
	Final	33	50	20
8. Feasibility Study to Cover the Economic and Technical Analyses Sidareja Irri- gation System.	Draft	15	25	6
	Final	18	50	20
9. Feasibility Study of Cihaur Irrigation System.	Draft	15	25	6
	Final	18	50	20
10. Feasibility Study for Rehabilitation of Eight (8) Existing Irrigation Projects in Central Java.	Draft	18	25	6
	Final	21	50	20
11. Segara Anakan; Potential Irrigation Water Require- ments.	Draft	18	25	6
	Final	21	50	20

			Month from	No. of Copies	
			Starting Date	Client	USAID
12. Design Report - Sidareja Irrigation System.	Draft		20	25	6
	Final		23	50	6
13. Design Report - Cihaur Irrigation System	Draft		20	25	6
	Final		23	50	6
14. Feasibility Study for Rehabilitation of the ten (10) Existing Irrigation Projects in Upstream Area of the Citanduy/Ciseel River.	Draft		24	25	6
	Final		27	50	20
15. Feasibility Study to Cover the Economic and Technical Analyses of the Upper Watershed Erosion Control Program (also includes Panawangan Pilot Watershed).	Draft		24	25	6
	Final		27	50	20
16. Design Report - Eight (8) Existing Irrigation Systems in Central Java.	Draft		30	25	6
	Final		33	50	6
17. Design Report - Ten (10) Existing Irrigation Systems in upper area of Citanduy/Ciseel River.	Draft		33	25	6
	Final		36	50	6
18. Report on Operation and Maintenance Activities for Flood Control and Irrigation and Drainage including revisions to Manuals, if any.	Draft		33	25	6
	Final		36	50	20
19. Report on Operation and Maintenance of Maintenance of Construction Equipment.	Draft		33	25	6
	Final		36	50	20
20. Monthly Reports.			monthly	25	8
21. Quarterly Progress Reports.			quarterly	25	8
22. Final Completion and Engineering Report on Construction Contracts.	Draft		33	25	6
	Final		36	60	8

		<u>Month from Starting Date</u>	<u>No. of Copies</u>	
			<u>Client</u>	<u>USAID</u>
23. Evaluation of Erosion Control Measures in Panawangan Pilot Upper Watershed.	Draft	32	25	6
	Final	35	50	20
24. Special Reports if requested by Ministry			25	6
			50	20

IIIC - SCHEDULE OF APPROVALS & DECISIONS

On Feb. 14, 1977 - Draft of minutes of Contract Negotiation for Engineering Service Contract No. Kab. 9/2/14 send out for review and approval by Directorate.

On Feb. 14 & 21 - Data on Water Balance Study sent out for information.

On Feb. 18. - Preliminary & Tentative Work Program for ECI for first - three month sent out for review and comments.

On Feb. 24. - Citanduy Project Planning Report for new Contract work sent out for review and comments.

On March 1. - Draftsmen needs for Consultants, sent out to show need for 10 in February and 12 each for March and April 1977.

IV. MAJOR PROBLEM AREAS

A. Current

Proyek unable to meet Consultants needs for draftsmen to date.

B. Foreseen

Budget and procurement of funds may delay start of construction.

C. Recommendations

A. Proyek should contract immediately for draftsmen for Consultants and their own needs.

B. Proyek and Directorate should probe budget and funding status.

V. PROGRESS

1. GENERAL

The Consultant Staff are working on Individual Work Programs and draft of Work Plan of Project along with the draft of Manual of Construction Inspection and Procedures, and Manual of Laboratory and Field Testing and Procedures.

On February 14, 1977, Consultants submitted a draft of the Minutes of Contract Negotiations for review and comments.

On February 18, 1977, Consultants submitted a Preliminary and Tentative Work Program for the first three months of activities until the draft Work Plan is completed for review and comments.

On February 24, Consultants submitted Citanduy Project Planning Report for New Contract work for review and comments.

During the presence of Mr. Rana work was done on the Water Balance Study and status reports made to the Directorate and USAID.

Other activities are shown in the following section breakdown of activities.

2. TASK CONCEPT

A. Feasibility Studies

- | | | |
|------------------|---|---|
| 1) Banjar Plains | } | Data collection, mainly on Banjar Plain System which is the first report due. |
| 2) Sidareja | | |
| 3) Cihaur | | |

- 7) O & M Equipment - Activity to start next year
- 8) Advisor - Organization & Management - Resident Manager in discussions with Proyek on New Contract work.
Pilot Demonstration Farms - Field trips were made to the two P.D.Fs Langensari and Padaringan and Memos and Recommendations were submitted by the Consultants to Proyek and Directorate. It is essential that at least Langensari P.D.F. be in operation this year.
- 9) Training - Incountry - Work is under way to prepare programs for this activity by Staff.
Training - Overseas - Preliminary plans are being discussed by Directorate and Consultants for this year's activities.
- 10) Water Balance Study - Mr. Rana is busy confirming data and computer work in Denver and Bandung and correcting same.

REPORT SCHEDULE - ENGINEERING CONSULTANTS, INC - CITANDUJ PROJECT

REPORTS	1967												1968											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
Work Plans of Project Including Construction Program																								
General Air Pollution Program																								
Feasibility And Method Of Computed Treatment																								
Feasibility And Method Of Laboratory And Field Tests																								
Feasibility Study To Design Irrigation System																								
Design Report - Single Phase Irrigation System																								
Feasibility Study To Design Irrigation System																								
Feasibility Study Of Other Irrigation System																								
Feasibility Study For Rehabilitation Of Existing Irrigation System - Citanduj Area																								
Design Report - Proposed Irrigation System Requirements																								
Design Report - Storage Irrigation System																								
Design Report - Other Irrigation System																								
Feasibility Study For Rehabilitation Of Existing Irrigation System In Upper Area Of Citanduj/Citanduj Area																								
Feasibility Study To Re Upper Irrigation Control Program																								
Design Report - Upper Existing Irrigation System To Control Area																								
Work Program For Erection Control In The Upper Citanduj Area																								
Estimation Of Erection Control Required In Remembrance Plant Area - Citanduj																								
Design Report - For Existing Irrigation System In Upper Area Of Citanduj/Citanduj Area																								
Feasibility And Engineering Analysis For Plant Control And Irrigation And Drainage Including Measures To Minimize, If Any																								
Operation And Maintenance Of Construction Equipment																								
Final Completion And Engineering Report On Construction Control																								
Weekly Report																								
Monthly Progress Report																								

A - Date Due For A - Date Due Submitted
 V - Date Paid For V - Date Paid Submitted

Progress Chart (accomplished vs. scheduled)

VI. PROGRAM

(Anticipated services for next month)

**Proceed with work as outlined in Preliminary Work Program
for Consultants.**

VII - BUDGET STATUS

VII A - BUDGET STATUS - US \$ ACCOUNT

I t e m	Present Contract	Costs	
		Current Expenditures	Current Balance
1. Resident Personnel, Base Pay	603,620	-	-
2. Overseas Differential, 25% B.P.	169,405	-	-
3. Overseas Overhead, 75% B.P. ¹⁾	451,965	-	-
4. TDY and Denver Personnel, B.P.	242,300	-	-
5. TDY and Denver Overhead, 95% B.P.	230,185	-	-
6. Travel	175,000	-	-
7. Per Diem	7,296	-	-
8. Transportation	39,000	-	-
9. Other Direct Dollars Costs	93,750	-	-
10. Indonesian Administrative	52,250	-	-
11. Training Ministry Personnel:			
a) Incountry	- 115,000		
b) Overseas	- 150,000		
	<u>265,000</u>	-	-
12. Fixed Fee	292,000	-	-
Sub Total	2,621,771	-	-
13. Contingencies 10% *	262,177	-	-
T O T A L	2,883,948		

* The contingency fund may be used for reimbursable items such as communications, equipment, printing, transport, per diem, and man-month additions. Its use in all cases requires written Ministry approval.

VII B - BUDGET STATUS - RUPIAH ACCOUNT

I t e m	Present Contract	Costs	
		Current Expenditures	Current Balance
1. Local Per Diem	Rp. 22,516,000	-	-
2. Cables and Telephone	" 2,250,000	-	-
3. Postage	" 4,000,000	-	-
4. Reproduction and Printing	" 40,000,000	-	-
5. Incountry Transportation	" 2,000,000	-	-
6. Supplies and Materials	" 20,000,000	-	-
7. Miscellaneous	" 4,000,000	-	-
T O T A L	Rp. 94,766,000		