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DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT

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THE CITANDUY RIVER BASIN
DEVELOPMENT PROJECT

CONTRACT NO. KAB. 9/2/14

MONTHLY REPORT FOR THE PERIOD

Ending: November 30, 1977

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

HOME OFFICE

1901 SOUTH NAVAJO STREET ● DENVER, COLORADO 80223, U.S.A.
TELEPHONE: 303/936-3417 ● TELEX: 45-551 ● CABLE: ECIDEN



ENGINEERING CONSULTANTS, INC.

REPLY TO:

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

December 16, 1977

Directorate General of
Water Resources Development
Ministry of Public Works
and Electric Power
Jalan Pattimura 20
Kebayoran Baru, Jakarta
Republic of Indonesia.

Attn: Ir. Y. Sudaryoko,
Director of Rivers.

Our file: 1195(C)/303
276/1977

Subject : Monthly Report
November 1977
Citanduy River Basin
Development Project
Contract No. Kab: 9/2/14.

Dear Sir;

Submitted herewith is our tenth Monthly Report covering the activities of work for the month of November, 1977, under Contract Kab: 9/2/14.

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

Encl: Twenty five (25) copies
of Progress Report No. 10

Very truly yours,

Engineering Consultants, Inc.

cc:

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


J.C. McReynolds
Asst. Resident Manager

I. GENERAL

This tenth monthly report submitted under Contract Kab: 9/2/14 for Engineering Services for the Citanduy Project covers the activities, accomplishments and unresolved problems for the month of November, 1977.

The second meeting of the Citanduy Project Steering Committee was held at Ciamis during the first week of the month. The status of the Consultant's program to date was reviewed as well as the contents of the Draft Feasibility Report for the Banjar Plains. Small working groups were used to discuss problems and provide guidance for specific areas of concern.

Construction and other field activities continued but the onset of the seasonal rains during November began to impede this work and production slowed down. Work on the Pilot Watershed continued and seeding was implemented.

At the direction of the Steering Committee, the Consultant began preparation of an Executive Summary of the Draft Feasibility Report of Banjar Plains. This Executive Summary will reflect proposals for increased industrial water usage, a more detailed examination of the municipal water supply, and a re-examination of the economic and financial aspects of the project. The Executive Summary will be issued prior to the middle of December.

The resident staff was augmented by the presence of several TDY personnel to provide additional expertise in specific areas.

II. PERSONNEL

A. Present as of 30 November 1977

1. Jack Earl Farmer	Resident Manager	USA
2. Edward A. Polasky	Construction Engineer	USA
3. J. Carrol McReynolds	Soil Mechanics & Materials Engineer	USA
4. Paul D. Squibb	Surveyor	USA
5. Glen R. Simpson	O & M - Engineer	USA
6. Michael F. Thomsic	Watershed Management	USA
7. Louis Y. Ehrlich	Planning Engineer	USA
8. J.P.M. van Heeswijk	I & D - Engineer	Netherlands
9. Bruce L. Miller	Soil Scientist (TDY)	USA
10. E.M. Barrau	Soil & Water Conservation	USA
11. D.E. Bogan	Design Engineer (TDY)	USA
12. W.W. Evett	Hydrologist (TDY)	USA
13. J.G. Nemeč	Chief Irrigation Eng. (TDY)	USA
14. A. Dahlberg	Systems Analyst (TDY)	USA

B. Scheduled to arrive in December 1977

1. None

C. Scheduled to Depart in December 1977

1. Evett	5. Farmer (Home Leave)
2. Nemeč	6. Ehrlich (Medical)
3. Bogan	7. Miller
4. Dahlberg	

D. Scheduled to arrive at a later date

(TDY) Personnel

E. Scheduled to Depart at a later date

Unknown

F. Administrative Personnel Present

1. Nungky S.W.	Secretary	Indonesia
2. Pauline Sulianti	Interpreter	Indonesia
3. F.I. Susanti	Clerk/Typist	Indonesia
4. Aan Surtiany M.S.	Typist	Indonesia
5. Nining Sariningsih	Typist	Indonesia

G. Counterpart Team

See Table IV

H. End of Month (November 30, 1977) Strength

Resident Staff	9
TDY Staff	5
Administrative Staff	5
Counterpart	32

TABLE II - MANPOWER SCHEDULE
(Administrative Staff - Cumulative Man - Months)

DESCRIPTION		1 9 7 7												TOTAL
POSITION TITLE	NAME	^x JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SECRETARY	NUNGKI. S.W.		1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00		
INTERPRETER	SULIANTI. P.		1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00		
TYPIST / CLERK	SUSANTI		1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00		
TYPIST	SURTIANI		0.30	1.30	2.30	3.30	4.30	5.30	6.30	7.30	8.30	9.30		
TYPIST	SARININGSIH			1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00		
T O T A L			3.00	8.30	13.30	18.30	23.30	28.30	33.30	38.30	43.30	48.30		

Note: ^x Consultants work performed prior to start of this contract will be prorated between old ECI Job No. 1163 and new Job. No. 1195 in separate billing to the Client.

↓ Termination time to be received from ECI Denver

TABLE III

ARRIVALS AND DEPARTURES
(ECI)

Expatriate Specialists			
NAME	POSITION	ARRIVED	DEPARTED
1. G. Rockwell	President ECI	14/10/77	15/10/77
2. C.M. Langford	Project Director	22/ 1/77 31/ 7/77	21/ 2/77 3/ 8/77
3. J.E. Farmer	Resident Manager	1/ 1/77 19/ 6/77	14/ 6/77 -
4. W.J. Russell	Agronomy/Land Use	1/ 1/77	18/ 6/77
5. N.F. Dennis	Construction Eng.	1/ 1/77	5/77
6. E.A. Polasky	Construction Eng.	2/ 2/77	-
7. P.D. Squibb	Surveyor	19/ 2/77	-
8. J.C. McReynolds	Soil & Materials Eng.	19/ 2/77	-
9. S.A. Rana (TDY)	Water Resources Eng.	11/ 2/77	16/ 3/77
10. Paul Otter (TDY)	Planning Engineer	18/ 3/77	25/ 3/77
11. Glen R. Simpson	O & M - Engineer	27/ 3/77	-
12. K.I.V Ramu (TDY)	Planning Engineer	12/ 4/77	15/ 6/77
13. M.F. Thomsic	Watershed Management	17/ 4/77	-
14. L.Y. Ehrlich	Planning Engineer	28/ 4/77	-
15. Woodrow W. Evett	Hydrologist	1/ 5/77 24/10/77	28/ 5/77 30/11/77
16. J.R. Groves	Economist	7/ 6/77	31/10/77
17. S.F. Hillis	Chief Material Eng.	3/ 7/77	7/ 7/77
18. M.K. Kuehl	Chief Engineer	5/ 7/77	7/ 7/77
19. J.P.M. van Heeswijk	I & D - Engineer	21/ 7/77 24/11/77	1/11/77 -
20. B.L. Miller	Soil Scientist	24/ 7/77 12/ 8/77	6/ 8/77 -

TABLE III

ARRIVALS AND DEPARTURES (Continued)
(ECI)

Expatriate Specialist			
NAME	POSITION	ARRIVED	DEPARTED
21. E.M. Barrau	Soil & Water Conserv.	3/ 8/77	-
22. D.E. Bogan	Design Engineer	9/10/77	-
23. J.G. Nemeč	Chief Irrig. Engineer	22/10/77	30/11/77
24. A. Dahlberg	Systems Analyst	10/11/77	-
25. Campbell	Assist. Chief Eng.	24/11/77	27/11/77
26. M.A. Stevens	River Morphology	24/11/77	27/11/77

Administrative Staff			
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 M.S.	Typist	21/ 2/77	-
5. Nining S.	Typist	1/ 3/77	-

TABLE IV
ARRIVALS AND DEPARTURES
(Counterpart Team)

NAME	POSITION	ARRIVED	DEPARTED
1. Ir. Soebandi Wirosoemarto	Team Leader	1/2/77	31/3/77
2. Ir. Rachardjo Notosaputro	Team Leader	31/3/77	-
3. Ir. Sriyono Mitrosutarno	Deputy Team Leader I	1/2/77	-
4. Ir. Satriyo Untung	Deputy Team Leader II	1/2/77	-
5. Drs. Y. Sitanggang	Soil Mechanic & Materials Eng.	1/2/77	-
6. Ir. Darmadi	Const. Engineer	1/2/77	-
7. Ir. Setyadi	Const. Engineer	1/2/77	-
8. Drs. Subagyo	Surveyor	1/2/77	-
9. Ir. M. Djihad	O & M - Const. Equipment	1/2/77	20/10/77
10. Ir. Dhanil Zainudin	O & M - Const. Equipment	1/2/77	-
11. Ir. Asman Sembiring	I & D - Engineer	1/5/77	-
12. Ir. Imam Hidayat	Planning Engineer	1/2/77	-
13. Drs. M. Rianto	Watershed Mgt.	1/2/77	-
14. Ir. Muchjidin Mawardi	Soil & Water Conservation	1/8/77	-
15. Drs. Soepardyono	Economist	1/2/77	-
16. Ir. Bambang Sudibyc	Agronomist/Land Use	1/2/77	-
17. Ir. Siswoko	Construction Eng.	1/10/77	-
18. Ir. Djoko Subarkah	I & D - Engineer	1/10/77	-
19. Pardiman	O & M - Engineer	1/10/77	-
Assistant Counterpart			
1. Martono B.E.	Soil Mechanics	1/2/77	-
2. Srihartono	Materials Eng. Soil Mechanics	1/2/77	-
3. Bambang Soebyandono	Materials Eng. Const. Eng.	1/2/77	-
4. Mugiono	Const. Eng.	1/2/77	-
5. Dradjat Suhardjo	Surveyor	1/2/77	22/3/77
6. Agus Wardoyo	Surveyor	1/2/77	-
7. Irsyad B.M.E.	O & M - Const. Equipment	1/2/77	-

TABLE IV
ARRIVALS AND DEPARTURES
(Counterpart Team)
Continued

NAME	POSITION	ARRIVED	DEPARTED
8. Mulyono B.E.	O & M - Const. Equipment	1/2/77	-
9. Tristiyar	I & D Engineer	1/2/77	1/8/77
10. Sutarto	I & D Engineer	1/2/77	1/5/77
11. Supandi	I & D Engineer	1/8/77	-
12. Pudjihardjo	Planning Engineer	1/8/77	-
13. Sutadi	Soil & Water Conservation	1/2/77	-
14. Y.B. Sugeng B.Sc.	Economist	1/2/77	-
Draftsmen			
1. Mochamad Latief	Draftsman	1/2/77	-
2. Walaman	Draftsman	1/2/77	-
3. Maman Suhana	Draftsman	1/2/77	-
4. Dasiran	Draftsman	1/2/77	-
5. Supardjo	Draftsman	1/2/77	-
6. Ade Rustandi	Draftsman	1/2/77	-
7. Dedi Sutadi	Draftsman	1/2/77	-
8. Komarudin	Draftsman	1/2/77	-
9. Bambang Edy Subandrio	Draftsman	1/2/77	-
10. Salim	Draftsman	1/2/77	-
11. Darsu	Draftsman	1/2/77	-
12. A. Edy Santoso	Draftsman	1/2/77	-
13. Taswa Herdiyatna	Draftsman	1/2/77	-
14. Daryo Permana	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.	2,3,4	Ciamis	Steering Committee Meeting	Farmer, McReynolds, Simpson, Squibb, Bogan, Ehrlich, Evett, Pólasky, Nemeç, Barrau, Thomsic, Miller
2.	4,5	Panawangan	Inspection of Pilot Area	Thomsic, Barrau, Argento, Kriegle, Rachlan, Mawardi, Sutadi, Suhinto
3.	5-12	Gombong, Semarang, Jakarta	Gather data on municipal and industrial water supply	Farmer
4.	8	Banjar Plains	Select alternative site for tunnel diversion	Ehrlich, Squibb, Imam
5.	8	Ciamis	Obtain information on cropping practices and seed availability	Barrau, Rachlan, Dedis, Sahroji, Sidjo Sutardjo, Rianto
6.	9	Majenang	Reconnaissance of watershed problems in Central Java	Thomsic, Nemeç, Mawardi
7.	9	Banjar	Discussion of poor construction methods on Right Citanduy	McReynolds, Rachardjo, Squibb, Satriyo, Darmadi
8.	9-11	Jakarta	Renew visa	Miller
9.	10	Panawangan	Discuss Pilot Area Program	Barrau, Rachlan, Nurdin, Sutadi, Bambang, Camat deputy, local farmers

IIIA.- IMPORTANT EVENTS, CONFERENCES, AND FIELD TRIPS

(Continued)

<u>No.</u>	<u>Day of Month</u>	<u>Location</u>	<u>Purpose</u>	<u>Personnel</u>
10.	14-17	Bogor	Obtain seeds and confer with agricultural research officials	Barrau, Various Agriculture Officials
11.	14	Banjar Plains	Check progress of surveying and mapping	Squibb, Satriyo
12.	15	Banjar Plains	Geology and site conditions of tunnel diversion	Squibb, McReynolds
13.	16	Banjar	Discuss operation of Pilot Demonstration Farms	Simpson, Nemeç, Rianto, Soepradja, Supardja, Dedis, Popo
14.	17	Ciamis	Gather data on proposed industrial development of Banjar	Dahlberg, McReynolds, Rachlan
15.	17	Banjar	Discuss budgeting and operation of Pilot Demonstration Farms and Pilot Watersheds	Farmer, McReynolds, Rachardjo, Korin, Baldwin, J. Jasim
16.	18	Banjar	Budgeting and planning for Pilot Demonstration Farms	Nemeç, Simpson, Baldwin, Korin, J. Yasim, A. Rachlan, Dedis, Supardja, Setyadi, Rianto, Bambang, Probo
17.	18-23	Bandung	Gather data on development of Banjar industries	Dahlberg, West Java Officials
18.	23-25	Bandung	Review I & D design criteria with Directorate of Irrigation	Bogan, Nemeç

IIIA - IMPORTANT EVENTS, CONFERENCES, AND FIELD TRIPS

(Continued)

<u>No.</u>	<u>Day of Month</u>	<u>Location</u>	<u>Purpose</u>	<u>Personnel</u>
19.	26	Panawangan	Selection of sediment measurement	Stevens, Barrau, Nemeo
20.	30	Cikawung	Reconnaissance of alternative locations for Pilot Watershed in Central Java	Thomsic, Squibb, Barrau, Rianto, Sutadi
21.	30	Banjar	Discuss 1978 construction program	Farmer, Rachardjo, McReynolds

IIIB - SCHEDULE OF SUBMITTALS

		Date due Month from Starting Date	Date Submitted	Date Approved
1. Work Plan of Project, including Construction Program.	Draft	3	28/4/77	19/7/77
	Final	6	6/9/77*	
2. Proposal for Training Program.	Draft	3	28/4/77	19/7/77
	Final	6	30/7/77	24/8/77
3. Manual of Procedures on Construction Inspection.	Draft	4	20/5/77	19/7/77
	Final	7	23/4/77	
4. Manual of Procedures on Laboratory and Field Testing.	Draft	4	20/5/77	19/7/77
	Final	7	31/8/77	
5. Feasibility Study to cover the Economic and Technical Analysis of Banjar Irrigation System.	Draft	6	31/7/77	
	Final	9		
6. Design Report - Banjar Plains Irrigation System.	Draft	12		
	Final	15		
7. Work Program for Erosion Control in the Upper Citanduy Basin.	Draft	30		
	Final	31		
8. Feasibility Study to cover the Economic and Technical Analyses Sidareja Irrigation System.	Draft	15		
	Final	18		
9. Feasibility Study of Ciha-ur Irrigation System.	Draft	15		
	Final	18		
10. Feasibility Study for Rehabilitation of Eight (8) Existing Irrigation Project in Central Java.	Draft	18		
	Final	21		
11. Segara Anakan; Potential Irrigation Water Requirements.	Draft	18		
	Final	21		

* Extension granted until Sept. 15, 1977.

IIIB - SCHEDULE OF SUBMITTALS

(Continued)

		Date due Month from Starting Date	Date Submitted	Date Approved
12. Design Report - Sidareja Irrigation System.	Draft	20		
	Final	23		
13. Design Report - Cihaur Irrigation System.	Draft	20		
	Final	23		
14. Feasibility Study for Re-habilitation of the ten (10) Existing Irrigation Projects in Upstream Area of the Citanduy/Ciseel River.	Draft	20		
	Final	27		
15. Feasibility Study to cover the Economic and Technical Analyses of the Upper Watershed Erosion Control Program (also includes Panawangan Pilot Watershed).	Draft	24		
	Final	27		
16. Design Report-Eight (8) Existing Irrigation Systems in Central Java.	Draft	30		
	Final	33		
17. Design Report-Ten (10) Existing Irrigation Systems in Upper area of Citanduy/Ciseel Rivers.	Draft	33		
	Final	36		
18. Report on Operation and Maintenance Activities for Flood Control and Irrigation and Drainage including revisions to Manuals, if any.	Draft	33		
	Final	36		
19. Report on Operation and Maintenance of Maintenance of Construction Equipment.	Draft	33		
	Final	36		
20. Monthly Reports		Monthly	Monthly	
21. Quarterly Progress Report		Quarterly		

IIIB - SCHEDULE OF SUBMITTALS

(Continued)

		Date due Month from Starting Date	Date Submitted	Date Approved
22. Final Completion and Engineering Report on Construction Contracts.	Draft	33		
	Final	36		
23. Evaluation of Erosion Control Measures in Panawangan Pilot Upper Watershed.	Draft	32		
	Final	35		
24. Special Reports if requested by Ministry Model Study-Pataruman Desilting Basin.				

IIIC. SCHEDULE OF APPROVALS AND DECISIONS

Nov. 1, 1977	1195(F)/20;221/1977	Transmitted to Ministry request for reimbursement of costs and fee.
Nov. 4, 1977	1195(P)/91;220/1977	Transmitted to Ministry request for visa extensions.
Nov. 4, 1977	1195(C)/271;222/1977	Transmitted to Ministry copies of Addendum No. 2 to CRP-4.
Nov. 5, 1977	1195-28/272;223/1977	Transmitted to Proyek requirements for English language tests.
Nov. 7, 1977	865/K/I/CIT/1977	Received from Proyek copy of comments of A.N. Harkauli on preloading.
Nov. 7, 1977	862/K/VIII/CIT/1977	Received from Proyek copy of work progress letter to P.T. Propelat.
Nov. 8, 1977	1195-28/278;227/1977	Transmitted to USAID requesting assistance in planning overseas training.
Nov. 8, 1977	864/K/VIII/CIT/1977	Received from Proyek copy of request to Pusdatik for survey data.
Nov. 9, 1977	863/K/VIII/CIT/1977	Received from Proyek copy of work progress letter to P.T. Waskita Karya.
Nov. 9, 1977	870/K/V.U/CIT/1977	Received from Proyek approval for visa extensions for ECI TDY personnel.
Nov. 9, 1977	USAID II/1999	Received copy of letter to Ministry regarding equipment purchase.
Nov. 9, 1977	1195-19/279;228/1977	Transmitted to Proyek requesting survey of alternate diversion for Banjar Plains.

IIIC. SCHEDULE OF APPROVALS AND DECISIONS (Contd.)

Nov. 10, 1977	874/K/V.U/CIT/1977	Received from Proyek request to change date of English tests.
Nov. 10, 1977	022/K/ND/1977	Received from Proyek copy of rehabilitation instructions for PDF irrigation structures.
Nov. 12, 1977	USAID Telegram	Received confirmation of date of English tests.
Nov. 12, 1977	USAID II/2020-letter	Received information on English tests schedule.
Nov. 14, 1977	597/IV/10	Received from West Java Agriculture Service Invitation to meeting re-implementation of pilot demonstration farms.
Nov. 18, 1977	023/K/ND/1977	Received from Proyek copy notice to arrange for tender of Kalen Kendal drain rehabilitation.
Nov. 14, 1977	1195-28/282;231/1977	Transmitted to Proyek date for English testing.
Nov. 16, 1977	1195-06/290;236/1977	Transmitted to Proyek comments on construction relating to flood season.
Nov. 16, 1977	1195(P)/95;238/1977	Transmitted to Proyek request for visa extension for A. Dahlberg.
Nov. 16, 1977	USAID II/2060	Received copy of letter to Ministry regarding qualification of supplier
Nov. 16, 1977	USAID II/2061	Received copy of letter to Ministry inquiring about contracting procedures.
Nov. 18, 1977	1195(F)/22;244/1977	Transmitted to Proyek rupiah costs for October.
Nov. 18, 1977	1195-60/292;240/1977	Transmitted to Ministry comments on tender awards CRP-3.

IIIC. SCHEDULE OF APPROVALS AND DECISIONS (Contd.)

Nov. 18, 1977	1195-60/293;241/1977	Transmitted to Ministry comments on USAID letter No. II/2060.
Nov. 18, 1977	1195-60/294;242/1977	Transmitted to Ministry comments on Combined Agencies Corp. CRP-3 tenders.
Nov. 18, 1977	USAID II/2067	Received copy of letter to Proyek regarding contracts for Rawa Onom and Citalahab.
Nov. 18, 1977	USAID II/2068	Received copy of letter to Ministry regarding acceptance of Add. 2 to IFB CRP-4.
Nov. 18, 1977	DS. 1356/II/K/1977	Received from Ministry transcript of overseas training candidate.
Nov. 18, 1977	DS. 1372 /3/K/77	Received from Ministry approval to print Addendum No. 1 with revisions.
Nov. 22, 1977	899/K/VIII/CIT/1977	Received from Proyek Copy of Flood Preparation instructions.
Nov. 22, 1977	1195-28/297;246/1977	Transmitted to Ministry comments on Addendum to training program.
Nov. 22, 1977	1195-09/299;248/1977	Transmitted to Proyek comments on Minutes of Surveying and Mapping Working Group.
Nov. 22, 1977	1195-C/298;247/1977	Transmitted to Ministry twelve signed copies of Addendum No. 1, Kab: 9/2/14.
Nov. 23, 1977	1195-07/301;249/1977	Transmitted to D.G. Food Crops proposed plans and budget for Pilot Demonstration Farms.
Nov. 23, 1977	902/K/I/CIT/1977	Received from Proyek copy of mapping and surveying instructions to Tri Tunggal.

IIIC. SCHEDULE OF APPROVALS AND DECISIONS (Contd.)

Nov. 24, 1977	USAID II/2101	Received copy of letter to Ministry regarding IFB CRP-3 and CRP-4.
Nov. 25, 1977	1195-01/303;251/1977	Transmitted to Ministry Hydrologist report on channel coefficient.
Nov. 25, 1977	915/K/VIII/CIT/1977	Received from Proyek request for changes in Pilot Watershed in Central Java.
Nov. 25, 1977	900/K/VIII/CIT/1977	Received from Proyek copy of Preparations for Flood Protection.
Nov. 28, 1977	1195-09/306;254/1977	Transmitted to Proyek technical conditions for mapping Sidareja - Cihaur areas.
Nov. 30, 1977	DS. 1414/3/K/77	Received from Ministry copy of letter forwarding CRP-4, Addendum No. 2, IFB to AID, Washington.

IV. MAJOR PROBLEM AREAS

A. Current

1. Progress has been made in solving the surveying and mapping problems but this work is still behind schedule.

2. The lack of transportation for counterparts and other project personnel continues to hamper operations.

B. Foreseen

As stated in previous monthly reports, delays in receiving surveying and mapping data may cause delays in the completion of the Feasibility Studies and Design Reports.

C. Recommendations

Proyek and the Consultants are working together to alleviate these problems and will continue to do so.

V. PROGRESS

I. GENERAL

An Executive Summary of the Banjar Plains Draft Feasibility Report is being prepared and will be submitted in December as requested by the steering committee. Additional studies relating to the costs anticipated and benefits expected by including municipal and industrial water supply in the project will be included as well as additional economic analyses.

Contract construction work is in progress on all projects. Contractors on flood control work were requested by Proyek to increase their production rates.

Field work for soil and land use mapping in the Sidareja and Cihaur areas continued during the month. Soil samples have been collected and will be submitted for laboratory testing in December.

Implementation of the Panayangan Pilot Watershed continued and field test plots were planted. A search was begun for a more representative area for the pilot program in Central Java.

TDY staff members provided additional hydrologic and hydraulic data and agricultural engineering services.

Progress in specific areas is described in the following sections.

II. TASK CONCEPT

A. Feasibility Studies

1. Banjar Plains

The Executive Summary in preparation will include the results of additional studies relating to the inclusion of municipal and industrial water supplies as an integral part of the project. The actual needs for such systems are being verified with various officials. A new economic and financial analysis is being made based on revised cost and benefit figures.

2. Sidareja and Cihaur

Field mapping continues as does the hydrologic calculations for the area.

3. Central Java (8)

General data collection continues.

4. Upper Citanduy/Ciseel Rivers (10)

General data collection continues.

5. Upper Watershed Erosion Control Program

Implementation of the pilot plot continues. Seeds were obtained and planted in the field plots. TDY specialists made recommendations regarding measurements of water discharge and sediments from the area.

6. Segara Anakan (Limited)

Data was collected in conjunction with the Sidareja - Cihaur field work.

7. Design and Pre-construction Activities

None of this work is scheduled for the present time.

III. ASSISTANCE CONCEPT

A. Surveying and Mapping

The Consultant continued to work with Proyek to arrive at a mutually agreeable plan for the completion of the necessary work so that the Work Plan can be followed. Numerous field trips were made to observe the surveying work in progress.

B. Construction - Flood Control

Embankment construction is in progress on the Left and Right Citanduy and the Left Ciseel projects. Stone masonry and concrete work is being done on the Flap Gate project.

C. Construction - Irrigation and Drainage

Work began on the rehabilitation of the supply canals for both Rawa Onom and Citalahab. Additional design data is being provided when requested.

D. Soils Laboratory

The field laboratories continued to provide very good quality control testing for the contract work.

E. O and M - Flood Control and I & D

Several meetings were held with Proyek and other officials for planning and budgeting of the Pilot Demonstration Farms operation. Proyek has issued instructions to rehabilitate the drainage from the Padaringan site. Plans for operations during floods were made by Proyek.

F. Procurement of Equipment

An additional addendum was prepared for CRP-4. CRP-4 was submitted for advertising with tenders to be received in January.

G. O & M - Equipment

This activity is scheduled to begin in 1978.

H. Advisor, Organization and Management

The Consultant maintains close daily contact with the Proyek staff and offers advice and assistance as required.

I. Training Program

A tutorial English program is being given to candidates for overseas training. Additional training requirements were discussed at the Steering Committee meeting.

J. Water Balance Study

On-site investigations were made by TDY personnel from the Denver office for incorporation into this study.

VI. PROGRAM

(Anticipated services for the month of December, 1977)

The Executive Summary for Banjar Plains will be completed and submitted.

Field soil mapping in the Sidareja - Cihaur areas will be suspended during the height of the rainy season.

All TDY personnel will leave the project.

General activities in all areas will be continued by the resident staff in accordance with the Work Plan.

VII. BUDGET STATUS

VIIA - U.S. DOLLAR ACCOUNT SEPTEMBER 1977

I T E M	Present Contract	C o s t s			Current Balance
		Jan. thru August	September	Total Expenditures	
1. Resident Personnel, Base Pay	603,620	97,292.19	19,180.00	116,472.19	487,147.81
2. Overseas Differential, 25% B.P.	169,405	24,285.59	5,045.00	29,330.59	140,074.41
3. Overseas Overhead, 75% B.P.	451,965	72,969.15	11,385.00	87,354.15	364,610.85
4. TDY and Denver Personnel, B.P.	242,300	49,447.91	5,201.71	54,649.62	187,650.38
5. TDY and Denver Overhead 95% B.P.	230,185	46,975.51	4,941.62	51,917.13	178,267.87
6. Travel	175,000	15,349.70	1,832.10	17,181.80	157,818.20
7. Per Diem	7,296	793.00	-	793.00	6,503.00
8. Transportation	39,000	5,367.30	-	5,367.30	33,632.70
9. Other Direct Dollar Costs	93,750	43,093.77	3,571.40	46,665.17	47,084.83
10. Indonesian Administrative	52,250	4,446.24	-	4,446.24	47,803.76
11. Training Ministry Personnel:					
a) Incountry - 115,000	115,000	-	-	-	115,000.00
b) Overseas - 150,000	150,000	8,907.65	-	8,907.65	141,092.35
12. Fixed Fee	292,000	51,100.00	7,300.00	58,400.00	233,600.00
Sub. Total	2,621,771	420,028.01	61,456.83	481,484.84	2,140,286.16
13. Contingencies 10%	262,177	-	-	-	262,177.00
T O T A L	2,883,948	420,028.01	61,456.83	481,484.84	2,402,463.16

VIIB - BUDGET STATUS - RUPIAH ACCOUNT OCTOBER, 1977

I T E M	Present Contract	Costs	
		Current Expenditures	Current Balance
1. Local Per Diem	Rp. 22,516,000	5,504,000	17,012,000
2. Cables and Telephone	" 2,250,000	953,567	1,296,433
3. Postage	" 4,000,000	435,980	3,564,020
4. Reproduction & Printing	" 40,000,000	4,217,474	35,782,526
5. In Country & Transporta- tion	" 2,000,000	-	2,000,000
6. Supplies and Materials	" 20,000,000	1,517,066	18,482,934
7. Miscellaneous	" 4,000,000	1,060,000	2,940,000
T O T A L	Rp. 94,766,000	13,688,087	81,077,913