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

22p.

THE CITANDUY RIVER BASIN
DEVELOPMENT PROJECT

MONTHLY REPORT FOR THE PERIOD
Ending : 31 August 1974

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

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MONTHLY REPORT NO.13

Period Ending 31/8/74

I. GENERAL

During the month of August, the entire time of all the staff members was devoted to the completion of our recommended first priority feasibility study. The successful completion of the report, "Feasibility Study For a Comprehensive Water Management Scheme For The Lower Citanduy/Ciseel River System", was one of the highlights of the month of August.

We were also honored by the visit to Project of two important officials from Jakarta. On Monday, August 26th, Mr. Sutami, Minister Of Public Works and Electric Power, visited the Project Office. At the request of the Project officials, ECI was pleased to make a short presentation of the current activities of our consultants and the recommendations presented thus far.

On the same date, Mr. M^CAleor, Water Resources Engineer, USAID Jakarta, arrived for a three day visit to the project area. Most of his time was spent in consultation with our hydrologist and our river regime specialist concerning various aspects of the Segara Anakan sub-project.

From August 28th to August 30th our Hydrologist attended a meeting in the Hydraulic Institute in Bandung, where he presented a paper, "Design Floods for the Citanduy Project". The paper was well received and we are proud that one of our staff members was asked to participate.

At a meeting held on August 18th in the office of the Director of Rivers and Swampy Areas, some additional Comments on the Segara Anakan project were handed to the Consultant. We were also advised that more comments would be presented during the last week of August. Because of these delays in the submitted of comments on this feasibility study draft report, we have been unable to complete our revisions as scheduled. It now appears that we will submit our proposed changes at the end of the first week in September, and our Denver office will complete the revisions by the end of October.

II. PERSONNEL

A. Present at last report:

- | | |
|---------------------------|---------------------------|
| 1. Gifford E. Rogers | - Resident Manager |
| 2. Wallace J. Schoenleber | - Civil Engineer |
| 3. David E. Bogan | - Irr. & Drain. Engineer |
| 4. Robert E. Struthers | - Economist |
| 5. Roydon T. Edwards | - Agriculturist |
| 6. Michael P. Saunders | - Planning Engineer |
| 7. Robert A. Gardner | - Soil Scientist |
| 8. Harry N. Cole | - Civil Engineer |
| 9. Donald P. Scott | - Geologist |
| 10. Dr. M.A. Stevens | - River Regime Specialist |

B. Arrivals subsequent to last report: - N o n e

C. Departures subsequent to last report:

1. Harry N. Cole - Civil Engineer - 17 August 1974

D. Scheduled to depart this month:

1. Robert A. Gardner - Soil Scientist - 31 August 1974
2. Roydon T. Edwards - Agriculturist - 31 August 1974

E. Scheduled to depart in September:

1. Dr. M.A. Stevens - River Regime Specialist
2. Donald P. Scott - Geologist
3. Wallace J. Schoenleber - Civil Engineer

F. Scheduled to arrive in September: - N o n e

G. Scheduled to arrive at a later date:

1. G.M. Langford - Project Sponsor.

III. IMPORTANT EVENTS

A. Meeting (Office)

<u>No.</u>	<u>Day of Month</u>	<u>Location</u>	<u>Purpose</u>	<u>Personnel</u>
1.	3 - 9	Jakarta	Visit Fishery Officials and Electric Power Officials	Struthers and Imam
2.	14	Bogor	Visit Soil research officials	Gardner and Sumardi
3.	15	Jakarta	Discuss progress with Director River & Swampy Areas	Rogers
4.	26	Banjar	Present progress report to Minister of Public Works and Electric Power	Rogers and Staff
5.	26 - 27	Banjar	Meet with Mr. Mc.Aleer Water Resources Engineer, USAID/I	Saunders, Stevens, and Rogers.
6.	27 - 30	Bandung	Present paper at Seminar on Rainfall Runoff Relationships And Design Floods	Saunders

B. Field Trips

1.	5 - 6	Sidareja	Soil investigations	Gardner and Sumardi
2.	11	RR Bridge 1452	Hydrological reconnaissance	Saunders

III. IMPORTANT EVENTS (Continued)

<u>No.</u>	<u>Day of Month</u>	<u>Location</u>	<u>Purpose</u>	<u>Personnel</u>
3.	12	Ciseel Basin	Field Reconnaissance	Stevens and Schoenleber
4.	14	Matenggeng	Explore quarry site	Scott, Cole and Iing.
5.	17 - 18	Wanareja Swamp	Field Reconnaissance	Stevens
6.	17	Matenggeng	Visit damsite	Scott, Iing
7.	20 - 23	Sidareja	Soil investigations	Gardner and Sumardi
8.	22 - 24	Pangandaran	Field Reconnaissance	Stevens, Scott and Iing.
9.	24	Cijolang Basin	Hydrological Reconnaissance	Saunders
10.	23	Matenggeng	Visit Damsite	Scott, Iing
11.	26 - 28	Sidareja	Soil investigations	Gardner and Sumardi
12.	27	Wanareja	Visit Swamp area with Mc. Aleer.	Stevens, Iing
13.	28 - 30	Cilacap	Visit Nusa Kambangan and Cilacap harbor	Stevens, Scott Iing.

IV. MAJOR PROBLEM AREAS

A. Custom Clearance.

This item continues to occupy our principle concern since we have not secured release of any of the project equipment remaining in customs warehouses. It is hard not to be pessimistic, but perhaps we must resign ourselves to the fact that this contract may be completed without the benefit of the equipment vitally needed for our work. The items remaining in customs warehouses are as follows:

1. Soil sampling and testing equipment
2. Aerial photo sketchmaster
3. Sediment sampling equipment
4. Reproduction equipment (offset printer)
5. Survey equipment.

*Work
to Mr. Allen
at the
1/25/54*

B. Surveys, Geologic Investigations, etc.

Drilling is now underway at the Matenggeng Quarry site. No work yet undertaken at the Segara Anakan site.

C. Vehicles and Transportation

There have been no program delays experienced this period due to vehicle dispatch or maintenance, but there were numerous occasions where the consultant had to purchase fuel in order to travel within the project area.

D. Counterpart Team

We have had quite a bit of trouble with the lack of reliability on the part of the ~~draftsmen~~ supplied to assist us. Sometimes ~~an~~ individual draftsman will work only 3 days or so a week, and sometimes one will not report for work at all for a whole week. This is a serious question especially when we are trying to complete our reports on schedule.

V. PROGRESS

A. Technical.

The progress on the request to the Project for additional surveys and geological investigations are reported as follows:

Matenggeng Damsite

One drill hole at the "Rubber Quarry Site" has been completed at a depth of 40 meters. Three remain to be done before moving to the actual damsite.

Segara Anakan

No work has been started on the geologic foundation exploration program to date.

Citanduy River

All surveys requested have been received.

Ciseel River

All surveys requested have been received.

Sidarcja Irrigation System

A request was made on 1 May 1974 for the drawings and design report for this area. To date, only the drawings have been received and it is understood that the design report has been received by the Project.

Binangun No. 2 Damsite

One copy of 1:2000 topo survey of the damsite area has been received from the Project.

Banjar Damsite

One copy of the 1:2000 topo survey of the damsite area has been received from the Project.

B. Administrative.

The following tables show the standings of both the rupiah and US \$ accounts. We have completed 72% of the contract time and have utilized 73% of the approved manpower. During this elapsed time we have expended some Rp 15,613,096 or about 64% of our total rupiah budget. Some \$ 387,500 or 70% of the total dollar budget has also been expended.

Budget Status - Rupiah Account

I t e m	AMOUNT (Rp.)		
	Authorized	Spent	Remaining
Per Diem	12,040,000	6,875,500	5,164,500
Cables	1,100,000	477,983	622,017
Postage	1,100,000	386,293	713,707
Reproduction	2,000,000	2,286,754	(286,754)
Supplies & Materials	1,100,000	1,115,672	(15,672)
Other Minor Items	700,000	468,918	231,082
Administrative Staff	6,300,000	4,735,620	1,264,380
T o t a l	24,340,000	15,613,096	8,726,904

Budget Status - US \$ Account

(Reimbursable Costs Only)

I T E M	AMOUNT (US \$)		
	Authorized	Spent	Remaining
Overseas Salary	153,680	111,000	42,680
Overseas Differential	39,920	28,900	11,020
Overhead (Overseas)	95,278	68,900	26,378
Denver Office Salaries	82,050	60,000	22,050
Denver Office Overhead	57,435	41,500	15,935
Special Consultants	10,000	5,000	5,000
Per Diem	2,838	2,200	638
Transport(International)	59,400	35,000	24,400
Transportation, Baggage, Household Effects	20,800	14,000	6,800
Other Direct Costs	28,500	21,000	7,500
T o t a l	549,901	387,500	162,401

VI. PROGRAM

A. Technical.

All efforts in September and October will be devoted to the completion of our Master Plan; and, second, to the completion of the revised Segara Anakan report. The Master Plan is scheduled for completion on October 15th. We feel that this schedule will be met.

B. Financial.

We received our fifth rupiah payment in the amount of three million rupiahs about 21 August.

VII. APPENDICES

- Fig. 1 - Manpower Strength (for end of period)
- Fig. 2 - Actual vs. Scheduled Progress
- Table 1 - Manpower Schedule - cumulative totals U.S.
- Table 2 - Manpower Schedule - cumulative totals
Indonesian (Counterpart)
- Table 2A - Manpower Schedule - cumulative totals
Indonesian (Direct Hire)
- Table 3 - Arrivals and Departures U.S. Nationals
- Table 4 - Arrivals and Departures Indonesian
- Table 5 - Schedule of Submissions

LEGEND

- U.S. NATIONALS
- 3rd. COUNTRY NATIONALS
- X— INDONESIA COUNTERPART
- INDONESIA DIRECT. HIRE

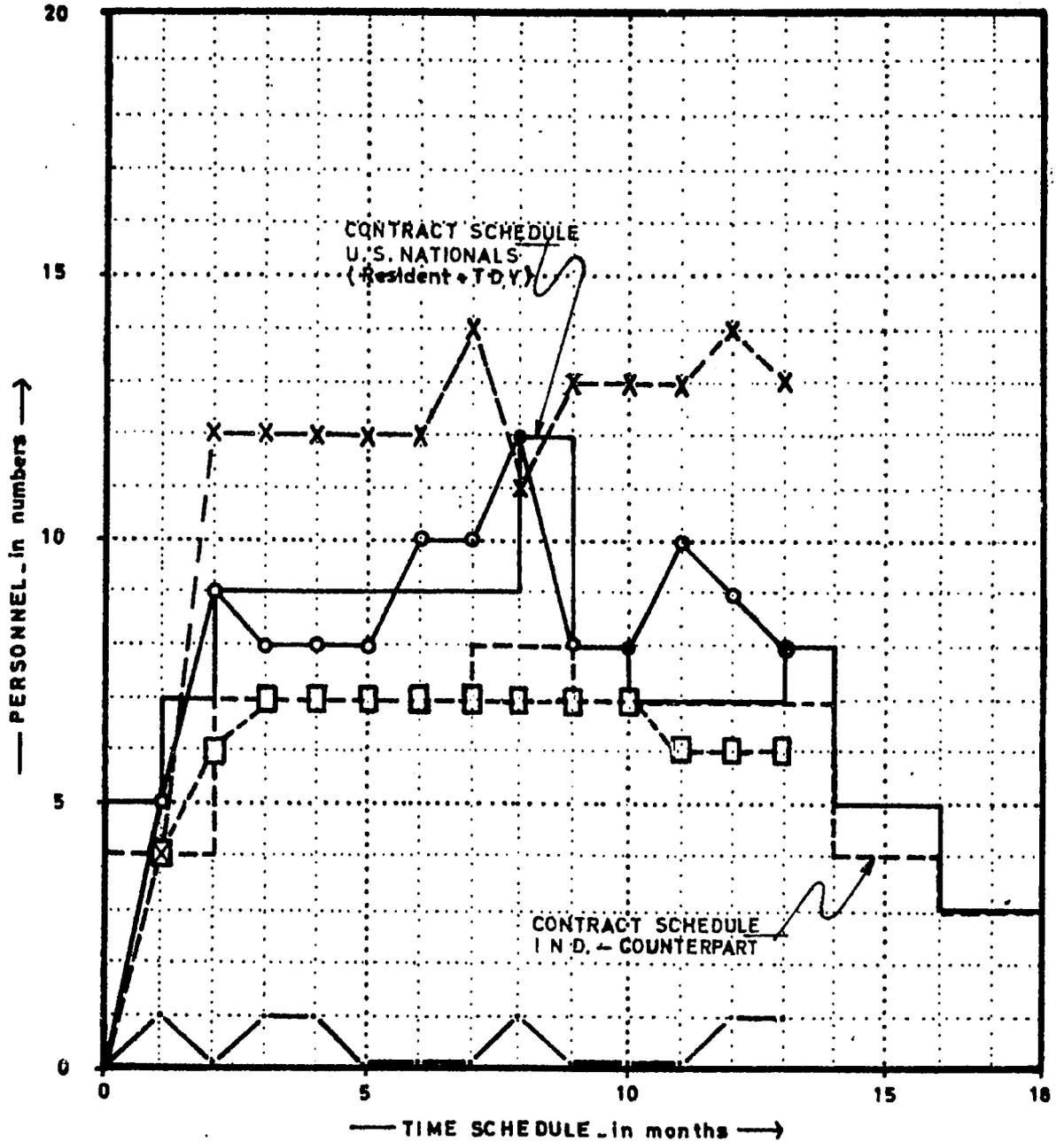


figure No.1_ MAN POWER STRENGTH (for end of period)

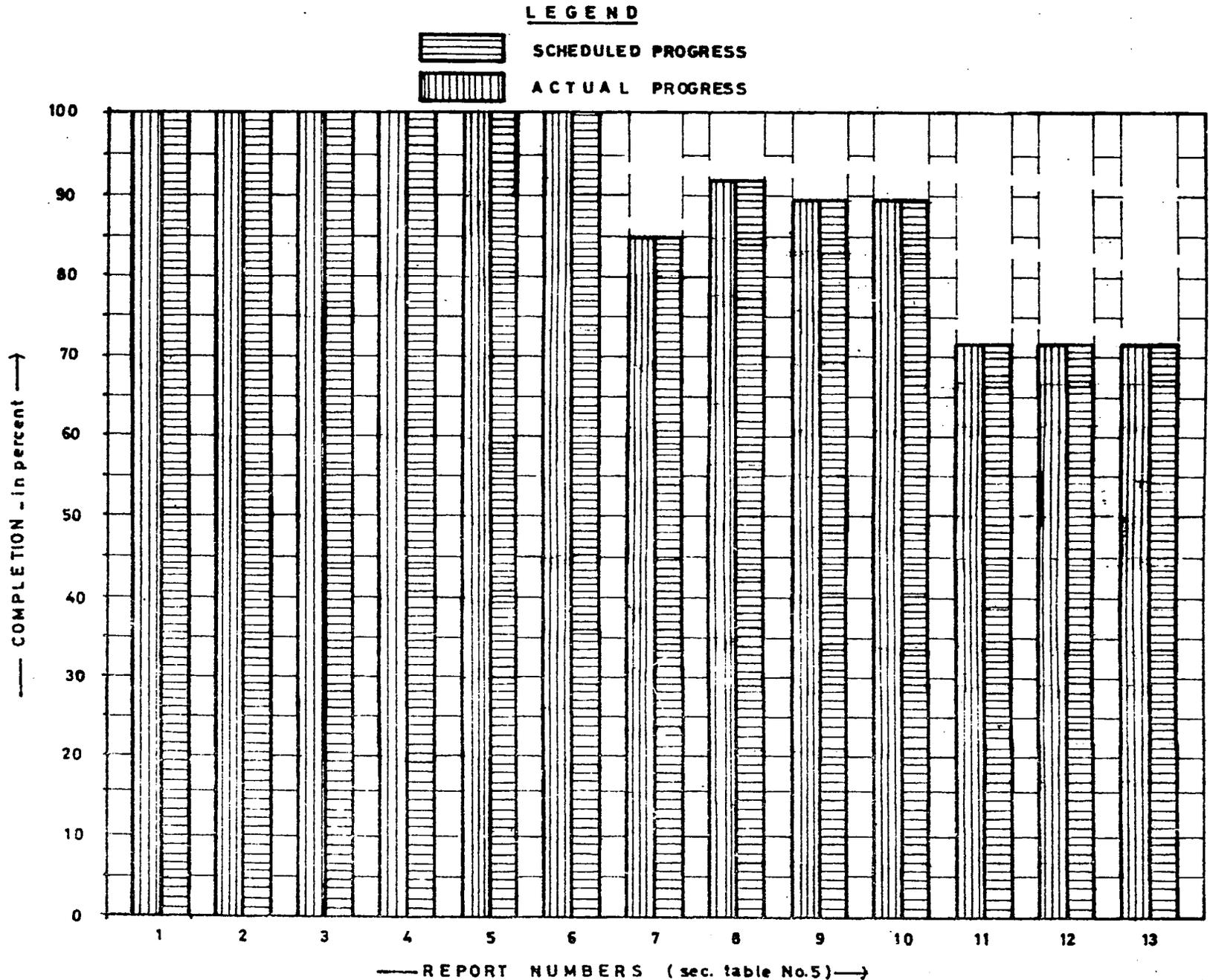


figure No. 2 - ACTUAL VS. SCHEDULED PROGRESS (End of Report Period)

Table No.1 - MANPOWER SCHEDULE - cumulative totals in man months

U.S. NATIONALS	1973					1974											1975	TOTALS		
	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	ACTUAL	CONTRACT
RESIDENT STAFF																				
1. ROGERS - RES.MGR	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00							18.00
2. SCHOENLEBER - C. E.	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00							16.00
3. BOGAN - IRRIG.	0.61	1.61	2.61	3.61	4.61	5.61	6.61	7.61	8.61	9.61	10.61	11.61	12.61							14.00
4. EDWARDS - AGRI.	—	0.50	1.50	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50	10.50	11.50							12.00
5. SCOTT - GEOL.	—	0.53	1.53	2.53	3.53	4.53	5.53	6.53	7.10	7.10	7.50	8.50	9.50							7.00
6. GARDNER - SOILS.	—	0.53	1.53	2.53	3.53	4.53	5.53	6.53	7.53	8.53	9.53	10.53	11.53							12.00
7. STRUTHERS - ECON.	—	0.53	1.53	2.53	3.53	4.53	5.53	6.53	7.53	8.53	9.53	10.53	11.53							16.00
8. SAUNDERS - PLAN.	—	—	—	—	—	—	—	0.26	1.26	2.26	3.26	4.26	5.26							11.00
9.																				
SUB TOTALS	2.61	7.70	14.70	21.70	28.70	35.70	42.70	49.96	57.53	64.53	71.93	79.93	87.93							106.00
HOME OFF. & TDY.																				
1. LANGFORD - SPON.	0.13	0.13	0.13	0.13	0.13	0.29	0.58	0.58	0.58	0.58	0.58	1.16	1.16							2.00
2. WILL - PLAN.	—	0.53	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98							6.00
3. AU-YEUNG - HYD.	0.23	1.23	1.43	1.43	1.43	1.43	1.43	2.14	2.54	2.54	2.54	2.54	2.54							4.00
4. COLE - C. E.	—	—	—	—	—	—	—	—	—	—	0.30	1.30	1.85							
5. BURKE - ROCK.	—	—	—	—	—	—	—	—	—	—	—	0.68	0.68							2.00
6. CHURCHILL - ENVIR.	—	—	—	—	—	—	0.79	1.79	1.89	1.89	1.89	1.89	1.89							1.50
7. FLETCHER - LANDUSE	—	—	—	—	—	0.61	1.61	2.61	3.61	4.00	4.00	4.00	4.00							4.00
8. SPECIALISTS AS RQ'D.	—	—	—	—	—	—	—	—	—	—	—	—	—							9.00
9.																				
SUB TOTALS	0.36	1.89	2.54	2.54	2.54	3.31	5.39	8.10	9.60	9.99	10.29	12.55	13.10							28.50
THIRD COUNTRY NAT.																				
1. KUEHL - C. E.	0.19	0.79	0.79	0.79	0.79	0.79	0.79	0.89	1.59	1.59	1.59	1.59	1.59							2.50
2. STEVENS - FLOODCON.	—	—	0.13	1.13	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.96	2.96							4.00
SUB TOTALS	0.19	0.79	0.92	1.92	1.95	1.95	1.95	2.05	2.75	2.75	2.75	3.55	4.55							6.50
TOTALS	3.16	10.38	18.16	26.16	33.19	40.96	50.04	60.11	69.88	77.27	84.97	96.03	105.58							141.00

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table No.2_ MANPOWER SCHEDULE - cumulative totals in man months

INDONESIAN COUNTERPART	1974					1974												1975	TOTALS	
	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	ACTUAL	CONTRACT
1. IR.SAHAT -TEAM LEADER	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00							18.00
2. IR.PARIJAN - C. E.	-	-	-	-	-	-	0.90	1.90	2.90	3.90	4.90	5.90	6.90							16.00
3. IR.RADHI - DRAIN.	-	-	-	-	-	-	0.11	1.11	2.11	3.11	4.11	5.11	6.11							14.00
4. IR.TOSSIN -AGRI.	-	0.50	1.50	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50	10.50	11.50							12.00
5. IING SUGANDHY - GEOL.	-	-	-	0.84	1.84	2.84	3.84	4.84	5.84	6.84	7.84	8.84	9.84							16.00
6. IR.ARWADI - PLAN.	-	-	-	-	-	-	0.40	1.40	2.40	3.40	4.40	5.40	6.40							4.00
7. IR.SISWOKO - FLOOD CON.	-	-	-	-	-	-	-	-	-	-	-	0.80	1.80							
8. IR.IMAM - ECON.	-	0.50	1.50	2.50	3.50	4.50	5.50	**	**	**	**	**	**							
9. DRS.SUBAGIO - SOILS.	-	-	1.00	2.00	3.00	4.00	5.00	**	**	**	**	**	**							
10. KREBET - PLAN.	-	-	-	-	-	-	-	1.00	2.00	3.00	4.00	5.00	6.00							
11. SOEKANTO - GEOG.										0.35	1.35	2.35	3.35							
12. OTHERS - *	1.78	4.78	7.18	10.68	12.90	14.90	16.90	17.58	17.98	17.98	17.98	17.98	17.98							
SUB TOTALS	2.78	7.78	14.18	22.52	29.74	36.74	45.15	52.83	60.23	66.58	73.95	82.75	91.75							80.00
ASST. COUNTERPART																				
1. KREBET - PLAN.	1.00	2.00	3.00	4.00	5.00	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00							14.00
2. P. NAPITUPULU - TEAM	0.06	1.06	2.06	3.06	4.06	5.06	6.06	7.06	8.06	9.06	10.06	11.06	12.06							18.00
3. T. M. NADAPDAP - HYDROL.	0.06	1.06	2.06	3.06	4.06	5.06	6.06	7.06	8.06	9.06	10.06	11.06	12.06							4.00
4. SUMARDI - SOILS	-	0.23	1.23	2.23	3.23	4.23	5.23	6.23	7.23	8.23	9.23	10.23	11.23							14.00
5. ADIWIDJAJA - AGRI	-	0.23	1.23	2.23	3.23	4.23	5.23	6.23	7.23	8.23	9.23	10.23	11.23							16.00
6. DRS.WILDAN - ECON.	-	-	0.75	1.75	2.75	3.75	4.75	5.75	6.75	7.75	7.75	7.75	7.75							12.00
7. DRS.SITANGGANG - C. E.	-	-	-	1.00	2.00	3.00	4.00	**	5.00	6.00	7.00	8.00	**							12.00
8.																				
9.																				
10. OTHERS - *	-	0.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60							
SUB TOTALS	1.12	5.18	11.93	18.93	25.93	32.93	39.93	44.93	50.93	56.93	61.93	66.93	70.93							90.00
TOTALS	3.90	12.96	26.11	41.45	55.67	69.67	85.08	97.76	111.76	123.51	135.88	149.68	162.68							170.00

* OTHERS - CUMULATIVE TOTALS OF INDIVIDUALS WHO HAVE LEFT THE PROJECT.
 ** NOT SHOWN DUE TO LIMITED TIME ASSISTING CONSULTANTS.

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table No.2A - MANPOWER SCHEDULE - cumulative totals in man months

INDONESIAN	1973					1974												1975		TOTALS	
	DIRECT HIRE	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	ACTUAL	CONTRACT
1. NUNGKI S.W. - SECR.	0.62	1.62	2.62	3.62	4.62	5.62	6.62	7.62	8.62	9.62	10.62	11.62	12.62								18.00
2. SRI Z. OEMAR - CLERK	0.62	1.62	2.62	3.62	4.62	5.62	6.62	7.62	8.62	9.62	10.62	11.62	12.62								18.00
3. SU PIARTI - CLERK	0.29	1.29	2.29	3.29	4.29	5.29	6.29	7.29	8.29	9.29	10.29	11.29	12.29								18.00
4. ETJIH SUHAR - TYPIST	0.13	1.13	2.13	3.13	4.13	5.13	6.13	7.13	8.13	9.13	10.13	11.13	12.13								18.00
5. DJOELIANDI - INTER.	-	0.94	1.94	2.94	3.94	4.94	5.94	6.94	7.94	8.94	9.94	10.94	11.94								18.00
6. SULJANTI - INTER.	-	0.10	1.10	2.10	3.10	4.10	5.10	6.10	7.10	8.10	9.10	10.10	11.10								18.00
7. DASIRAN - MESS.	-	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00								18.00
8.																					
9.																					
10.																					
11.																					
12.																					
SUBTOTALS	1.66	7.60	14.70	21.70	28.70	35.70	42.70	49.70	56.70	63.70	69.70	75.70	81.70								126.00
MISC. SUPPORT																					
1. DRAFTSMEN	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.50	25.50	28.50	31.50								*
2. MESSENGER	2.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00								*
3. DRIVERS	4.00	15.00	26.00	32.00	38.00	44.00	50.00	56.00	62.00	68.00	74.00	80.00	86.00								*
4. CUSTODIANS	4.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00								*
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					
SUBTOTALS	14.00	25.00	42.00	54.00	66.00	78.00	90.00	102.00	114.00	126.50	139.50	152.50	165.50								*
TOTALS	15.66	32.60	56.70	75.70	94.70	113.70	132.70	151.70	170.70	198.20	209.20	228.20	247.20								126.00

* Not specified in contract

TABLE NO. 3 - ARRIVAL AND DEPARTURES

A. U.S. NATIONALS

<u>NAME</u>	<u>POSITION</u>	<u>ARRIVED</u>	<u>DEPARTED</u>
1. LANGFORD, C.M.	Project Sponsor	23-7-73	4- 8-73
LANGFORD, C.M.	Project Sponsor	27-1-74	8- 2-74
LANGFORD, C.M.	Project Sponsor	7-7-74	23- 7-74
2. ROGERS, G.E.	Resident Manager	30-7-73	-
3. SCHOENLEBER, W.J.	Civil Engineer	1-8-73	-
4. BOGAN, D.E.	Irrig. Engineer	12-8-73	-
5. AU-YEUNG, YIN	Hydrologist	25-8-73	13-10-73
AU-YEUNG, YIN	Hydrologist	9-3-74	12- 4-74
6. WILL, ERIC	Chief Planner	15-9-73	15-10-73
7. EDWARDS, R.T.	Agriculturist	16-9-73	31- 8-74
8. STRUTHERS, R.E.	Ag. Economics	15-9-73	-
9. GARDNER, R.A.	Soil Scientist	15-9-73	31- 8-74
10. SCOTT, D.P.	Geologist	15-9-73	17- 4-74
SCOTT, D.P.	Geologist	19-6-74	-
11. FLETCHER, H.C.	Land Use & Mngt.	13-1-74	12- 5-74
12. CHURCHILL, DICK	Environmentalist	17-2-74	3- 4-74
13. SAUNDERS, M.P.	Planner	17-3-74	-
14. COLE, H.N.	Civil Engineer	22-6-74	17- 8-74
15. BURKE, H.W.	Rock Specialist	6-7-74	28- 7-74

B. THIRD COUNTRY NATIONALS

1. KUEHL, M.K.	Chief Engineer	26-8-73	18- 9-73
KUEHL, M.K.	Chief Engineer	29-3-74	21- 4-74
2. STEVENS, M.A.	Flood Control	27-10-73	1-12-73
STEVENS, M.A.	Flood Control	6-7-74	-

TABLE NO. 4 - ARRIVALS AND DEPARTURES

A. INDONESIAN - COUNTERPART

<u>N A M E</u>	<u>POSITION</u>	<u>ARRIVED</u>	<u>DEPARTED</u>
1. Sahat T.P. Siagian	Team Leader	25- 7-73	-
2. Yasin Umar K.	Civil Engineer	1- 8-73	7-12-73
3. Amirudin	Plan. Engineer	15- 8-73	1- 3-74
4. Tossin A.	Agriculturist	17- 9-73	-
*5. Imam Hidayat	Economist	19- 9-73	-
6. Yusron Lubis	Hydrologist	25- 8-73	13-10-73
7. Achmad Djojoadinoto	Irr. & Drain.	12- 9-73	1- 3-74
*8. Soebagiyo	Soils	2-10-73	-
9. Iing Sugandhy	Geology	6-11-73	30- 4-74
10. Sriyono	River Regime	1-11-73	1-12-73
11. Parijan	Civil Engineer	4- 2-74	-
12. Arwadi Nataniel	Planner	18- 2-74	-
13. Radhi Sinaro	Irr. & Drain	25- 2-74	-
14. Sampudjo	Hydrology	11- 3-74	12- 4-74
15. Krebet Suryondadari	Planner	1- 8-73	-
16. Soekanto	Geographer	20- 5-74	-

B. INDONESIAN - COUNTERPART ASSISTANTS

1. T. Maruly Nadapdap	Hydrology	29- 8-73	-
2. Wildan Arifin	Economist	8-10-73	31- 5-74
3. E. Sumardi A.S.	Soil & Rec.	24- 9-73	-
4. Rahmat Adiwidjaja	Agriculture	24- 9-73	-
5. P. Napitupulu	Team Leader	29- 8-73	-
*6. Sitanggung	Civil Engineer	1- 9-73	-

C. INDONESIAN - DIRECT HIRE

1. Mungki S.W.	Secretary	13- 8-73	-
2. Sri Z. Oemar	Clerk	13- 8-73	-
3. Supiarti	Clerk	23- 8-73	-
4. Etjih Suhari	Clerk	29- 8-73	-
5. Sylvia S.	Interpreter	3- 9-73	31- 5-74
6. Pauline Sulianti	Interpreter	28- 9-73	-
7. Dasiran Tapawira	Messenger	1- 9-73	-

* Part time only - Project furnished counterparts.

TABLE NO. 5 - SCHEDULE OF SUBMISSIONS

<u>REPORT NO.</u>	<u>CONTRACT PARAGRAPH</u>	<u>SUBJECT</u>	<u>DATE DUE</u>	<u>DATE SUBMITTED</u>	<u>MONTHS</u>
1.	2. 3. 1.	Mapping requirement	30- 9-73	30- 9-73	2
2.	2. 3. 2.	Basic data collection	30- 9-73	30- 9-73	2
2a.	2. 3. 2.	Addendum No. 1	-	15-11-73	3.5
3.	2. 5. 1.	1 st Priority Project Evaluation	30-11-73	30-11-73	4
4.	2. 5. 1.	2 nd Priority Project Evaluation	30-12-73	30- 1-74*	5
4a.		Special Report	-	15- 2-74**	-
4b.		Special Progress Report	-	30- 4-74***	-
5.	2. 5. 1.	1 st Feasibility Study (Draft Form)	15- 8-74 ^{1/}	31- 8-74	12.5
6.	2. 5. 1.	2 nd Feasibility Study (Draft)	30- 6-74	30- 6-74	11
7.	2. 5. 1.	1 st Feasibility Study (Final)	15-11-74 ^{1/}		15.5
8.	2. 5. 1.	2 nd Feasibility Study (Final)	30- 9-74		14
9.	2. 3.	Comprehensive Study (Draft)	15-10-74		14.5
10.	2. 4.	Master Plan (Draft)	15-10-74		14.5
11.	2. 3.	Comprehensive Study (Final)	31- 1-75		18
12.	2. 4.	Master Plan (Final)	31- 1-75		18
13.	2. 6. 4.	Completion Report	31- 1-75		18

* 30 day extension recommended by Steering Committee in order to await soils analysis results.

** Special Report - "Technical and Socio-Economic Factors As They Affect Damsite Selection".

*** Special Progress Report to Steering Committee.

^{1/} Time extension approved by Steering Committee on 30-4-74