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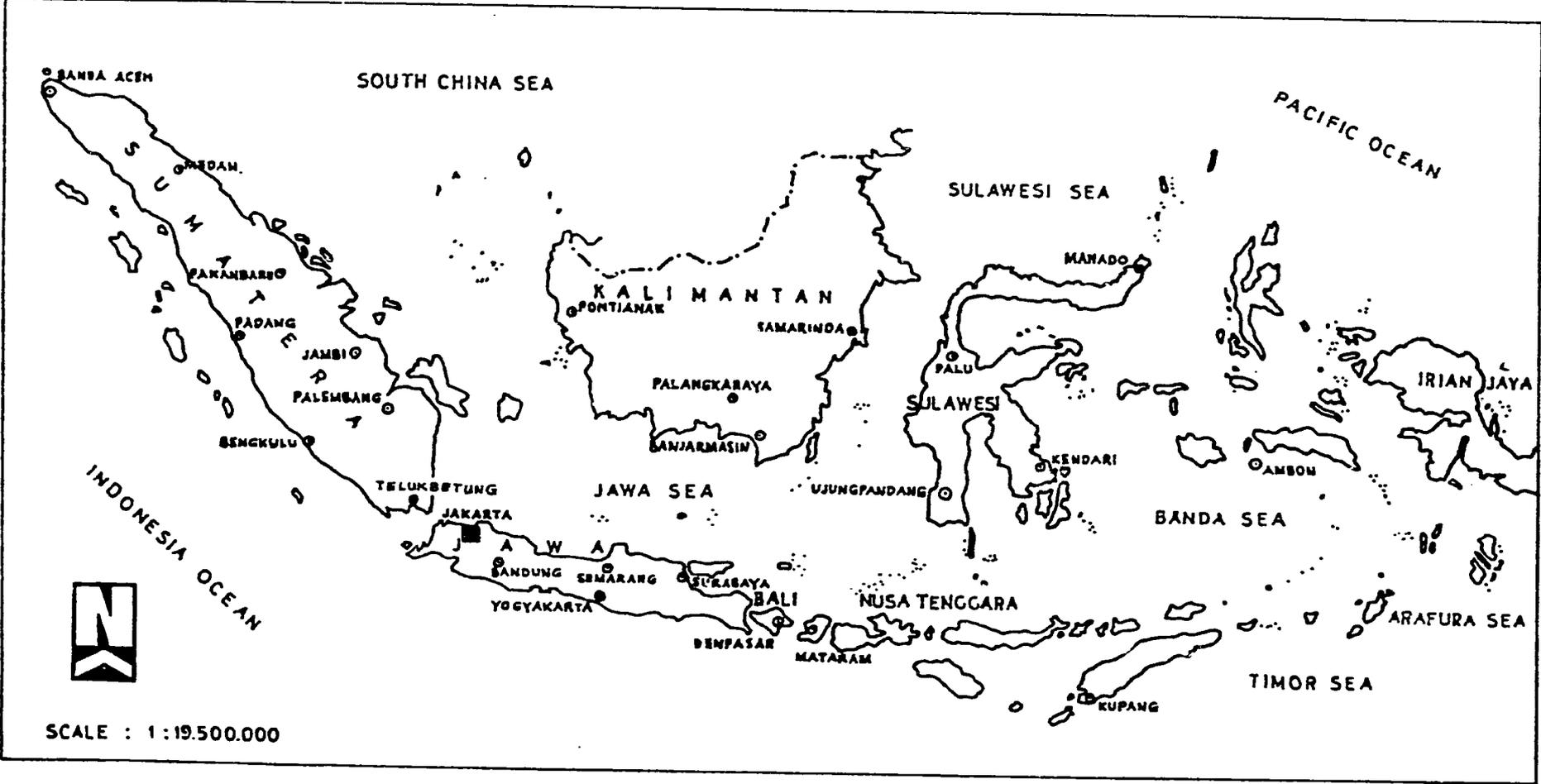
THE UNITED STATES OF AMERICA AGENCY FOR INTERNATIONAL DEVELOPMENT  
and  
THE DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT  
of the  
MINISTRY OF PUBLIC WORKS  
Representing  
MINISTRY OF PUBLIC WORKS AND THE MINISTRY OF AGRICULTURE  
GOVERNMENT OF INDONESIA

PROJECT NO. 497-0252  
SEDERHANA IRRIGATION AND LAND DEVELOPMENT II

MONTHLY PROGRESS REPORT NO. 1  
FOR PERIOD  
JULY 10, 1980 - JULY 31, 1980

INTERNATIONAL ENGINEERING COMPANY, INC.  
In Association With  
SINOTECH ENGINEERING CONSULTANTS, INC.  
and  
SANGKURIANG LTD., ARCHITECTS AND CONSULTING ENGINEERS  
JAKARTA, INDONESIA

# INDONESIA



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## I. INTRODUCTION

The contract between the United States of America, Agency for International Development (USAID) and International Engineering Company, Inc. (IECO) includes technical advisory services for Project No. 497-0252 Sederhana Irrigation and Land Development II. The scope of services is outlined in detail in Appendix A of the Contract. Performance of the work, within the terms of the Contract, is subject to the technical direction of the Government of Indonesia (GOI) through the Ministry of Public Works and the Ministry of Agriculture. Portions of the work, as set forth in the Contract, will be subcontracted to Sinotech Engineering Consultants, Inc., and to Sangkuriang Ltd. Architects and Consulting Engineers.

The Contract described above was signed on July 21, 1980 and the Effective Date of the Contract is July 10, 1980.

This First Monthly Report is submitted in accordance with Appendix A, Article K, Subarticle a of the Contract. It covers major events from July 10 through July 31, 1980, and includes progress on various aspects of services. Information on personnel in Indonesia and man months expended is presented in the appendixes at the back of this report.

## II. SUMMARY OF CONSULTANT'S ACTIVITIES

The main activities during the reporting period were concerned with mobilization for the new contract period, subproject inspections, subproject design reviews, certification of completed working and program monitoring.

The Area Engineer for Java accompanied the Province Engineer for West Java to his station in Bandung, visited a subproject and met with local Provincial Public Works Officials.

Subproject inspections, design reviews and certifications were performed in Lampung and Bengkulu Provinces.

Subproject monitoring was brought up-to-date for survey, design and construction for all Sederhana subprojects.

### III. JAKARTA OFFICE ACTIVITIES

The activities of the Jakarta Office during the reporting period were concerned with mobilization, providing technical and administrative support to the on-going program, and program monitoring.

#### 3.1 MOBILIZATION

Personnel staying on from previous contract to start the new contract on July 10, 1980 included six IECO engineers, one Sinotech engineer, five Sangkuriang engineers and nine Sangkuriang support staff.

During the reporting period, eight IECO Engineers, one IECO Agricultural Coordinator, three Sinotech Engineers, three Sangkuriang Agriculturists, and one Sangkuriang Support Staff reported for their assignments and began processing. Two Engineers and the Agricultural Coordinator completed processing and began work during the period.

The names, classifications, location and arrival dates of all Sederhana personnel are presented in Appendix A.

#### 3.2 PROGRAM MONITORING

Sub-project Monitoring was brought up-to date and tables prepared reflecting the status of the survey, design, and construction for major and on-farm works for all Sederhana Subprojects for all program years. These tables include progress ( % complete) and dates completed and /or certified.

#### 3.3. SUPPORT ACTIVITIES

Mr. M.A.E. Adams accompanied Mr. M.C. Christensen to his station in Bandung from 24 to 26 July, 1980, assisted him in securing housing, and introduced him to Ir. M. Gantina, Chief of Water Resources for Java Barat, and the DPU Sederhana Staff.

#### 3.4 MEETINGS

The Consultants held discussions or attended meetings during the period as follows:

- Discussions of July 10, 19, 22, 24 and 25 with DGFC Officials on assignments of the Consultants' personnel and the work program.
- Meeting of July 16 with DGWRD Officials on the program for the Irrigation Design Engineer working of upgrading surveying and mapping in Bandung.
- Meeting of July 17 with DGFC and USAID Officials on MOA's program.

#### IV. IRRIGATION ENGINEERING ACTIVITIES

##### 4.1 GENERAL

Irrigation engineering activities include the activities of the Irrigation Design Engineers in Bandung and the Provincial Irrigation Engineers.

##### A. Irrigation Design Activities - Bandung

The Irrigation Design Engineers in Bandung continued the work of preparing the Design Guidelines, and Technical Papers for use by the Sederhana Design Consultants. Discussions were held on these subjects on 28 July, 1980 with Ir. Mamad Ismail, Chief of Sub-Directorate of Construction Management II, and Drs. M.N. Mansyur, Chief of Section V.

Mr. J.H. Cloward and Mr. J.B. Sabiniano also met with Ir. Adnan Samudi, Chief of Construction Subsection, D.P.U., West Java, on July 11, 1980 to discuss the procedures for checking the work of the Sederhana survey and design consultants.

Mr. Sabiniano and Mr. Pratanata made a field demonstration on the use of the telescopic alidades and planetable for topographic mapping, for C.V. Tridjaja on July 5, 1980. The planetable has now been demonstrated to all local consulting firms in Bandung that are involved with Sederhana Projects.

Ir. Adnan, Chief of Design and Construction Sub-section, D.P.U., West Java Province, assigned 1 technical staff and 2 surveyors on July 3, 1980 to review mapping control computations for the Cimarsa Project, with the guidance of Mr. Sabiniano and Mr. Pratanata. The review was completed and errors in the survey procedures and results were revealed. As a result, a follow-up meeting was held on July 7, 1980 with Ir. Doyi Achmad Royadi, Geodetic Engineer, and Mr. Setiono Hendri, BE, both from D.P.U. West Java Province. The discussions included details of the Survey and Mapping Specifications for D.P.U., West Java, and the scheduling of future D.P.U. survey checking.

##### B. Provincial Irrigation Engineering Activities

Only two provincial irrigation engineers were at their stations during the reporting period - in Teluk Betung (from July 10, 1980) and Bandung (from July 24, 1980).

Their activities included design reviews, and subproject inspections (for construction or completion). Tables IV-1, IV-2, and IV-3 present the Sub-project Inspections, Sub-project Design Reviews, and Sub-project Certifications completed during the reporting period.

TABLE IV - 1  
IRRIGATION ENGINEERING ACTIVITIES  
SUB-PROJECT INSPECTIONS  
 July 11 - July 31, 1980

PROVINCE	SUBPROJECT			AREA (HA)		INSPECTION		COMMENTS
	NAME	NO.	YEAR	TOTAL	IRRIG.	DATE	PURPOSE	
Lampung	W. Kulur	1	79/80	643	0	1	Construction	Satisfactory
	W. Uluhan	3-1	79/80	197	197	9	Completion	Certifiable
	W. Apus	24-1	78/79	86	86	10	Completion	Certifiable
Bengkulu	Air Dingin	1	79/80	709	0	24	Construction	Satisfactory
	Air Uram	2	79/80	759	0	25	Construction	Satisfactory
	Air Besi	1	76/77) 77/78)	313	313	26	Completion	Certifiable
West Java	Leuwi Peujit	14	79/80	169	169	29	Problem	No embankment constructed to tie weir into high ground.

TABLE IV - 2  
IRRIGATION ENGINEERING ACTIVITIES  
SUB-PROJECT DESIGN REVIEWS  
 July 11 - July 31, 1980

PROVINCE	SUBPROJECT			AREA (HA)	REVIEW STATUS	COMMENTS
	NAME	NO.	YEAR			
Lampung	W. Tatayan	2	79/80	382	Complete	
	W. Langsep	4	74/75	80	Complete	
	W. Kulur	1	79/80	643	Complete	
	W. Melumi	5	79/80	608	Complete	

TABLE IV - 3  
IRRIGATION ENGINEERING ACTIVITIES  
SUB-PROJECT CERTIFICATIONS  
 July 11 - July 31, 1980

PROVINCE	SUBPROJECT			AREA (HA)		COMMENTS
	NAME	NO.	YEAR	TOTAL	CERTIFIED	
Lampung	W. Uluhan Liwa	3,I	79/80	197	197	
	W. Apus	24,I	78/79	86	86	
Bengkulu	W. Besi	1,N	76/77	785	313	
			78/79			

## V. AGRICULTURAL ACTIVITIES

### 5.1 GENERAL

Agricultural activities include the activities of the Agricultural Coordinator and his staff in Pasar Minggu (Jakarta) and the activities of the Provincial Agricultural Consultants.

The Agricultural Coordinator was the only member of the Advisory Team for Agriculture in Jakarta who was on station during the reporting period.

Ministry of Agriculture training courses during the reporting period are presented in Table V - 1.

### 5.2 AGRICULTURAL ACTIVITIES - PASAR MINGGU OFFICE

On July 18, 1980, Messrs. W.J. Ackerman and H. Barrau, USAID representatives, met with the Sederhana staff at the Pasar Minggu Office. The discussion covered the broad aspects of USAID technical assistance to the MOA under the new Sederhana II contract. Representing the MOA were Messrs. Syakhrum Yunan, K. Sebayang, Dachlan Widjajadipura, Sinis Munandar, Ngentem Sinulingga and Daud Berachmana. Representing the Consultants were Messrs. C.E. Aksamit, R.T. Edwards and J.Y. Hsu.

From July 28 to 31, 1980, Mr. R.T. Edwards in the company of D.F. Warner, USAID Engineering Advisor, visited Sederhana staff and subprojects in Lombok, West Nusa Tenggara. Mr. Edwards also met the Inspector and Chief of Agricultural Services of Bali. One Sederhana subprojects near Denpasar was visited.

### 5.3 AGRICULTURAL ACTIVITIES - PROVINCIAL AGRICULTURAL CONSULTANTS

The Provincial Consultant in Palembang was the only one at his station during the reporting period (from July 10). Three others arrived in Jakarta on 30 and 31 July, 1980, and began processing.

TABLE V - 1  
AGRICULTURAL ACTIVITIES  
MINISTRY OF AGRICULTURE TRAINING COURSES  
 10 July - 31 July, 1980

COURSE TITLE	COURSE DATES	LOCATION	PARTICIPANTS		COMMENTS
				CLASSIFICATION	
Land Development	7 Jul 80 - 13 Jul 80	Kenten		PIU Field Worker	

CONSULTANTS' PERSONNEL IN INDONESIA

<u>Name</u>	<u>Classification</u>	<u>Location</u>	<u>Arrival Date</u>	<u>Departure Date</u>
<u>EXPATRIATE PERSONNEL - IECO</u>				
<u>Long-Term Personnel</u>				
C.E Aksamit	Resident Manager	Jakarta	10 Jul 80	
M.A.E. Adams	Area Engineer	Jakarta	10 Jul 80	
R.E. Dixon	Area Engineer	Jakarta	10 Jul 80	
J.H. Cloward	Irrig. Design Engr.	Bandung	10 Jul 80	
D.W. Holloway	Prov. Irrig. Engr.	Telukbetung	10 Jul 80	
J.D. Sabiniano	Irrig. Design Engr.	Bandung	10 Jul 80	
R.T. Edwards	Agri. Coordinator	Jakarta	14 Jul 80	
B.C. Ferguson	Asst. Res. Mgr.	Jakarta	20 Jul 80	
M.C. Christensen	Prov. Irrig. Engr.	Bandung	21 Jul 80	
O.L. Bulseco	Prov. Irrig. Engr.	Banjarmasin	31 Jul 80	
P.M. Clutario	Prov. Irrig. Engr.	Palembang	31 Jul 80	
L.P. Lim	Prov. Irrig. Engr.	Mataram	31 Jul 80	
C.S.F. Lizardo	Prov. Irrig. Engr.	Medan	31 Jul 80	
R.S.F. Lizardo	Prov. Irrig. Engr.	Padang	31 Jul 80	
F.B. Regonas	Prov. Irrig. Engr.	Manado	31 Jul 80	

Short-Term Personnel

<u>Name</u>	<u>Classification</u>	<u>Location</u>	<u>Arrival Date</u>	<u>Departure Date</u>
<u>EXPATRIATE PERSONNEL - SINOTECH</u>				
<u>Long-Term Personnel</u>				
A.H. Lo		Palembang	10 Jul 80	
H.Y. Huang		Surabaya	30 Jul 80	
C.W. Shih		Medan	30 Jul 80	
C.C. Tai		U. Pandang	30 Jul 80	

Short-Term Personnel

INDONESIAN PERSONNEL - SANGKURIANG

Technical Personnel

Ir. A. Afif	Irrig.Design.Engr.	Jakarta	10 Jul 80	
Ir. H. Gunawan	Irrig. Engineer	Jakarta	10 Jul 80	
Ir. A.B. Lambe	Irrig. Engineer	Jakarta	10 Jul 80	
Ir. D. Pratanata	Irrig.Design Engr.	Bandung	10 Jul 80	
Ir. A. Hananto	Irrig.Design Engr.	Bandung	10 Jul 80	
Ir. Prijanto S.	Agriculturist	U. Pandang	10 Jul 80	

<u>Name</u>	<u>Classification</u>	<u>Location</u>	<u>Arrival Date</u>	<u>Departure Date</u>
<u>INDONESIAN PERSONNEL - SANGKURIANG (cont'd)</u>				
<u>Logistic Support Personnel</u>				
Abubakar S.	Administ. Officer	Jakarta	10 Jul 80	
R.M. Bachrawi	Head Accountant	Jakarta	10 Jul 80	
Glempo S.	Office Mngr./Expdt.	Jakarta	10 Jul 80	
Benyamin W.	Accountant	Jakarta	10 Jul 80	
Sinta R.A.	Secretary/Typist	Jakarta	10 Jul 80	
N. Hermawati	Secretary/Typist	Jakarta	10 Jul 80	
Tiene M.	Clerk/Typist	Jakarta	10 Jul 80	
Afriarningsih	Clerk/Typist	Jakarta	10 Jul 80	
Marguita S.	Clerk/Typist	Bandung	10 Jul 80	
Hartaty Oemar	Clerk/Typist	Jakarta	31 Jul 80	

COUNTERPART PERSONNELDGWRD PERSONNEL

- Ir. Mamad Ismail - Chief of Sub Dir. of Construction Management II  
 Sutomo BIE - Chief of Section IV (Sumatra)  
 Drs. M.N. Mansyur - Chief of Section V (Java & Kalimantan)  
 Syaefullah D. BIE - Chief of Section VI (Sulawesi & Eastern Islands)  
 Drs. Slameto H. - Chief of Section VII - ABLN Unit for Sederhana Project

PROVINCIAL PUBLIC WORKS - SEDERHANA ENGINEERS

- |                  |               |                   |                |
|------------------|---------------|-------------------|----------------|
| Supardi BIE      | - Banda Aceh  | Syahroni BIE      | - Pontianak    |
| P. Sirait BIE    | - Medan       | Ir. Berti         | - Palangkaraya |
| Asminan BIE      | - Padang      | Ir. Fansuri, S.   | - Banjarmasin  |
| Jumadi BIE       | - Pekanbaru   | Moelyono BIE      | - Samarinda    |
| B.L. Toruan      | - Jambi       | R. Suatmadja BIE  | - Manado       |
| Suratno H.P. BIE | - Palembang   | B. Darwono BIE    | - Palu         |
| Sutrasno BIE     | - Telukbetung | Ir. Yantahin      | - U. Pandang   |
| Ir. Sutardi      | - Bengkulu    | S. Nuryadi BIE    | - Kendari      |
| Ir. Adnan S.     | - Bandung     | Agus BIE          | - Mataram      |
| Ir. Subekti K    | - Semarang    | Drs. D. Hariandja | - Kupang       |
| Sutandiyono BIE  | - Yogyakarta  | Ir. Mardiyanto    | - Ternate      |
| Ir. Mayangkoro   | - Surabaya    |                   |                |

DGFC PERSONNEL

- Ir. Otje S.R. Bratamidjaja - Chief of Sub Dir. of Land and Water Conservation  
 Mr. S. Yunan - Administrator of Foreign Aid  
 Mr. A. Wibawa - Consultants' Counterpart

PROVINCIAL AGRICULTURAL SERVICES - REGIONAL COUNTERPARTS

- Ir. S.T.M. Sihaloho - Medan  
 Ir. N.A. Lubis - Palembang  
 Ir. Sulaeman N. - Bandung  
 Ir. Son S. - Surabaya  
 Ir. D. Parrusengi - Ujung Pandang

MAN MONTHS EXPENDED (INDONESIA)

Month	I E C O <u>1/</u>				S I N O T E C H <u>1/</u>				S A N G K U R I A N G			
	Long - Term		Short - Term		Long - Term		Short - Term		Technical		Logistic Support	
	Monthly Total	Total To Date	Monthly Total	Total To Date	Monthly Total	Total To Date	Monthly Total	Total To Date	Monthly Total	Total To Date	Monthly Total	Total To Date
<u>1980</u> <u>JUL 3/</u>	5.77	5.77	-	-	0.45	0.45	-	-	4.26	4.26	6.42	6.42

1/ Does not include travel time to and from Indonesia

2/ Includes Project Director

3/ July 10-31