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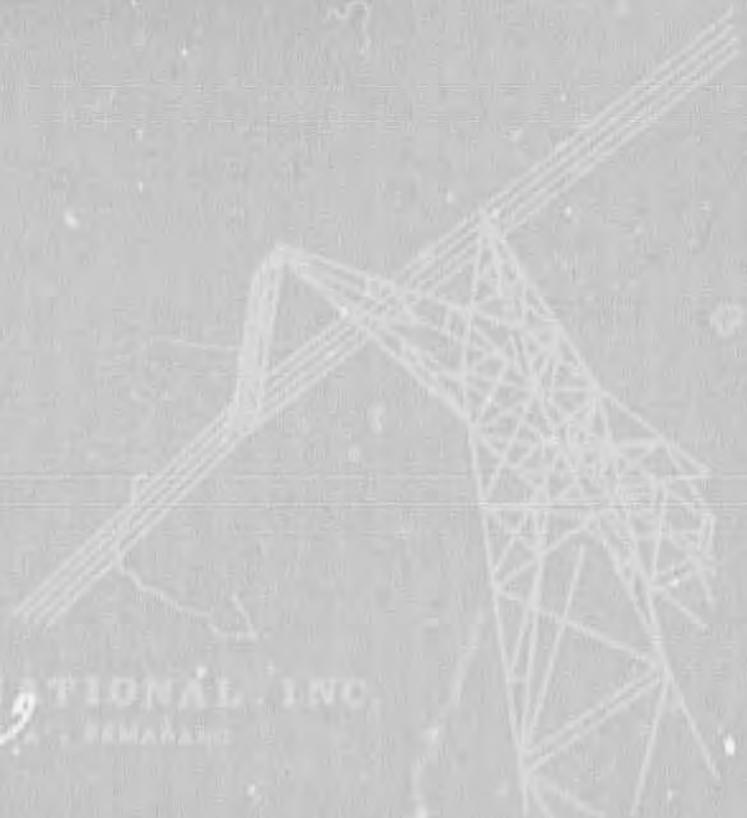
LISTRIK

NEGARA

JAKARTA - INDONESIA



MAIN
Equipment



CHAS. T. MAIN INTERNATIONAL, INC.
HOUSTON - BANDUNG - JAKARTA - SEMARANG

PERUSAHAAN UMUM LISTRIK NEGARA
JAKARTA, INDONESIA

WEST JAVA
ELECTRIC TRANSMISSION PROJECT

MONTHLY REPORT

OCTOBER 1982

WEST JAVA I AND II PROJECTS

CONTRACTS

PJ. 013/PST/74 AND PJ. 023/PST/75

USAID LOANS 497-H-028 & 497-W-032

MAIN

CHAS. T. MAIN INTERNATIONAL, INC.

BOSTON, MASSACHUSETTS U.S.A.

BANDUNG, INDONESIA

MAIN

PERUSAHAAN UMUM LISTRIK NEGARA CONSULTANTS
CHAS. T. MAIN INTERNATIONAL, INC.
BANDUNG - T N D M O L P O B 6 9, T E L. 5 0 8 6 9, J L. P R O G U 33
JAKARTA - P.O. BOX 100, KBYT, KEMAYORAN TIMUR, TEL. 774311-2 EXT. 12, 778925 JL. WIJAYA 1/61
SEMARANG - P.O. BOX 26, TEL. 312701-311702 J L. S E A M E T 5

4 November 1982
Letter No. J-5599

Ir. R. Semiawan
PERUSAHAAN UMUM LISTRIK NEGARA
Proyek Induk Jaringan Jawa Barat & Jakarta Raya
Jalan Cililitan Besar No. 1, Cawang
Jakarta

Subject: West Java I and II Projects
Monthly Report

Dear Ir. Semiawan:

In accordance with Article 7.2 of the West Java I Contract No. Pj. 013/PST/74 and Appendix V of the West Java II Contract No. Pj. 023/PST/75, enclosed are six (6) copies of our Report for the month of October 1982.

This report completes the series of Monthly Reports. The Project Final Report will be submitted when all financial and administrative matters are complete.

Very truly yours,
CHAS. T. MAIN INTERNATIONAL, INC.

Chas. T. Main
C.T. Main

Manager of Administration

cc. : DIRBANG - PLN Pusat (Encl. 1)
USAID - Jakarta (Encl. 4)
MAIN - Boston (Encl. 1)
MAIN - CHA. (Encl. 1)

CJW/swt

HOME OFFICE

SOUTHBOLD TOWER, PRUDENTIAL CENTER, BOSTON, MASSACHUSETTS, 02199 U.S.A.

WEST JAVA I AND II PROJECTS

MONTHLY REPORT

OCTOBER 1982

A. PERSONNEL

1. ENGINEER

- a. Mr. J.C. Harkey, Substation Engineer and Construction Manager, completed his assignment on 15 October 1982 and returned to USA.
- b. All MAIN personnel have now departed the Projects.

2. PLN

- a. All remaining local Staff were re-assigned to PLN on 16 October 1982.

B. ADMINISTRATIVE AND GENERAL

1. ADMINISTRATION

a. Terminal Dates

- (1) TDDA - Terminal Date Disbursement Authorization - (Last day that USAID Loan funds could have been committed) - 30 June 1981.

Final Commitment of USAID Loan Funds :

	<u>West Java I</u>	<u>West Java II</u>
USAID Loan	\$ 17,200,000.00	\$ 19,700,000.00
Commitment	\$ 17,197,632.86	\$ 19,699,990.40

- (2) TDD - Terminal Disbursement Date - (Last day that payments could have been made from USAID Loan Funds).

West Java I	30 September 1982
West Java II	31 March 1982

- (3) The PLN/MAIN Engineering Services Contracts have been completed. Remaining financial and administrative matters will be handled by MAIN's Jakarta Office. The Projects Final Report is nearing completion and will be issued in November 1982.

- (4) Office furniture, equipment, records, Project vehicles and assigned housing have been returned to PLN.

b. West Java I Contract Data

(1) US \$ Contracts - 9	\$	17,118,941.87
(2) Rupiah Contracts - 20	Rp.	2.500.654.269,-

c. West Java II Contract Data

(1) US \$ Contracts - 5	\$	19,611,292.72
(2) Rupiah Contracts - 29	Rp.	4.010.065.855,-

d. West Java I and II Contract Data

(1) Rupiah Contracts - 7 Rp. 5.473.630.492,-

e. Totals

(1) US \$ Contracts 14 \$ 36,730,234.59

(2) Rupiah Contracts - 56 Rp. 11.984.350.616,-

2. GENERAL

a. No Report

C. CONFERENCES AND EVENTS

1. None to Report.

D. PROBLEMS AREAS AND TENTATIVE SOLUTIONS

1. During erection of the electrical equipment, material shortages were discovered and replacement parts were immediately ordered for air shipment. Most missing parts have arrived and have been installed. Remaining parts will be installed by PLN personnel. The Pandung Utara Substation is the only one affected.

E. TRANSMISSION - WEST JAVA I

1. All property and ROW acquisition, material supply, installation and construction have been completed and accepted.
2. Two (?) towers were originally built in areas which proved unstable. The towers were relocated and now appear stable but it is recommended that the sites be monitored on a periodic basis.

F. TRANSMISSION - WEST JAVA II

1. All property and ROW acquisition, material supply, installation and construction have been completed and accepted.

G. SUBSTATIONS

1. Construction

a. Tegal Substation

All work is completed and the addition has been energized.

b. Ujungberung Substation

Installation of the Switchyard stone covering, remains to be done. The Control House and Erection, Wiring and Testing are completed.

c. Bandung Utara Substation

Minor civil work remains to be finished. The Control House and Access Road are completed. Most remaining parts have been received and installed. The OCB on the future Padalarang Line will be ready for operation and several 20 KV circuit breakers will be energized when remaining parts have been received and when installation is completed. This work will be done by PLN personnel.

d. Bogor Substation

All work has been completed.

H. MOBILE RADIO

1. Installation of the mobile radio system is complete and the system is operating.

I. SCHEDULES

1. West Java I and II Projects Completion

The tables which are on pages 6 and 7 give the scheduled and actual completion of the various phases of the Projects. Engineering as well as physical completion are included in the percentage figures.

J. TRAINING

1. The Substation Operations Manual will be issued in November 1982.

West Java I Project
 Project Completion
 (Includes Engineering and Design)
 as of 15 October 1982

<u>Work Item</u>	<u>Weighted Percent of Project</u>	<u>Percent of Item Completed to Date</u>		<u>Percent of Project Completed to Date</u>	
		<u>Scheduled</u>	<u>Actual</u>	<u>Scheduled</u>	<u>Actual</u>
Transmission Line					
Foundations	28.9	100.0	100.0	28.9	28.9
Tower Erection	13.5	100.0	100.0	13.5	13.5
Conductor Stringing	11.7	100.0	100.0	11.7	11.7
Tegal Substation					
Switchyard	2.0	100.0	100.0	2.0	2.0
Erection and Wiring	1.2	100.0	100.0	1.2	1.2
Ujungberung Substation					
Switchyard Civil Work	15.2	100.0	100.0	15.2	15.2
Control House	11.5	100.0	100.0	11.5	11.5
Equipment Erection, Wiring and Testing	10.3	100.0	100.0	10.3	10.3
Radio System	5.7	100.0	100.0	5.7	5.7
Total	100.0			100.0	100.0
	*****			*****	*****

West Java II Project
 Project Completion
 (Includes Engineering and Design)
 as of 15 October 1982

<u>Work Item</u>	<u>Weighted Percent of Project</u>	<u>Percent of Item Completed to Date</u>		<u>Percent of Project Completed to Date</u>	
		<u>Scheduled</u>	<u>Actual</u>	<u>Scheduled</u>	<u>Actual</u>
Transmission Line					
Foundations	28.1	100.0	100.0	28.1	28.1
Tower Erection	13.1	100.0	100.0	13.1	13.1
Conductor Stringing	11.1	100.0	100.0	11.1	11.1
Bandung Utara Substation					
Switchyard	7.3	100.0	100.0	7.3	7.3
Control House	6.1	100.0	100.0	6.1	6.1
Equipment Erection, Wiring and Testing	4.9	100.0	99.0	4.9	4.8
Bogor Substation					
Switchyard Civil Work	10.6	100.0	100.0	10.6	10.6
Control House	5.8	100.0	100.0	5.8	5.8
Equipment Erection, Wiring and Testing	7.0	100.0	100.0	7.0	7.0
Radio System	6.0	100.0	100.0	6.0	6.0
Total	100.0			100.0	99.0
	*****			*****	****