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THE UNIVERSITY OF CHICAGO PRESS

PERUSAHAAN UMUM LISTRIK NEGARA  
JAKARTA , INDONESIA

WEST JAVA  
ELECTRIC TRANSMISSION PROJECT

# MONTHLY REPORT

JULY 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



CHAS. T. MAIN INTERNATIONAL, INC.

BOSTON MASSACHUSETTS U.S.A.  
BANDUNG , INDONESIA

MAIN

PERUSAHAAN UMUM LISTRIK NEGARA CONSULTANTS  
CHAS. T. MAIN INTERNATIONAL, INC.  
BANDUNG - THOMOLOPOS 69, TEL. 56859, J.L. PROGG 32  
JAKARTA - P.O. BOX 100, KBYT, KEBAYORAN TIMUR, TEL. 774211-2 EXT. TEL. 773945, PL. WIHAYA 1/61  
SEMARANG - P.O. BOX 26, TEL. 311701-311702, J.L. SLAMET 5

5 August 1982

Letter No. J-5391

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 July 1982.

Very truly yours,  
CHAS. T. MAIN INTERNATIONAL, INC.  
MANAGER  
ADMINISTRATION  
*CJ Whitby*  
CJ Whitby  
Manager of Administration

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

HOME OFFICE  
CJW/syt

SOUTH OF BOWEN PUBLIC SQUARE CENTER, BOSTON, MASSACHUSETTS, 02109, U.S.A.

WEST JAVA I AND II PROJECTS

MONTHLY REPORT

JULY 1982

A. PERSONNEL

1. ENGINEER

- a. There were no changes during the month.
- b. End of the month strength was as follows :

<u>NAME</u>	<u>TITLE</u>	<u>ARRIVAL DATE</u>
J.C. Harkey	Substation Eng. / Constr. Mgr.	15 Oct. 1977

2. PLN

- a. As the Projects are nearing completion, a number of the PLN local Staff have been re-assigned to PLN.  
Remaining Staff is as follows :

<u>JOB TITLE</u>	<u>NUMBER</u>
Secretaries	1
Draftsmen	4
Reproduction Personnel	1
Drivers	1

- b. In addition to the above staff, PLN Counterpart and field personnel are assigned to the Projects as required.

B. ADMINISTRATIVE AND GENERAL

1. ADMINISTRATION

a. Terminal Dates

- (1) TDDA - Terminal Date Disbursement Authorization - (Last day that USAID Loan Funds can be 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
Committed	\$ 17,197,632.86	\$ 19,699,990.40

- (2) TDD - Terminal Disbursement Date - (Last day that payments can be made from USAID Loan Funds).

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

- (3) Scheduled Final Substation Energization - 31 December 1981.
- (4) Scheduled Completion of Engineering Services - 30 June 1982.

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. Letter of Commitment Number 497-H-02805 was extended until 30 September 1982. Extension of the associated Letter of Credit is in process.

C. CONFERENCES AND EVENTS

1. None to report.

D. PROBLEM AREAS AND TENTATIVE SOLUTIONS

1. During erection of the electrical equipment, material shortages were discovered and replacement parts were immediately ordered for air shipment. All missing parts have not arrived but should be received shortly. The Bandung 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 (2) 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. As yet remaining to be received are one (1) complete trip coil and one (1) pulley and lift rod. One (1) OCB on the future Padalarang Line will not be ready for operation and several 20 KV circuit breakers cannot be energized until various parts are received. All of the required parts are on order.

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 7 and 8 give the schedules and actual completion of the various phases of the Projects. Engineering as well as physical completion are included in the percentage figures.

The page following is the Project Completion graph based on these tables and in addition shows the monthly scheduled percentage completion to the end of the Project. The scheduled completion is based on the estimated schedule at the time Amendment No. 4 of the Engineering Services Contract was signed and does not necessarily reflect the Schedules provided by the various Construction Contractors.

#### J. TRAINING

1. Work continues in preparation of the Substation Operations Manual for PLN.
2. Some equipment repairs are being made in the field when there is a failure. During these repairs, additional training for PLN maintenance personnel is given.

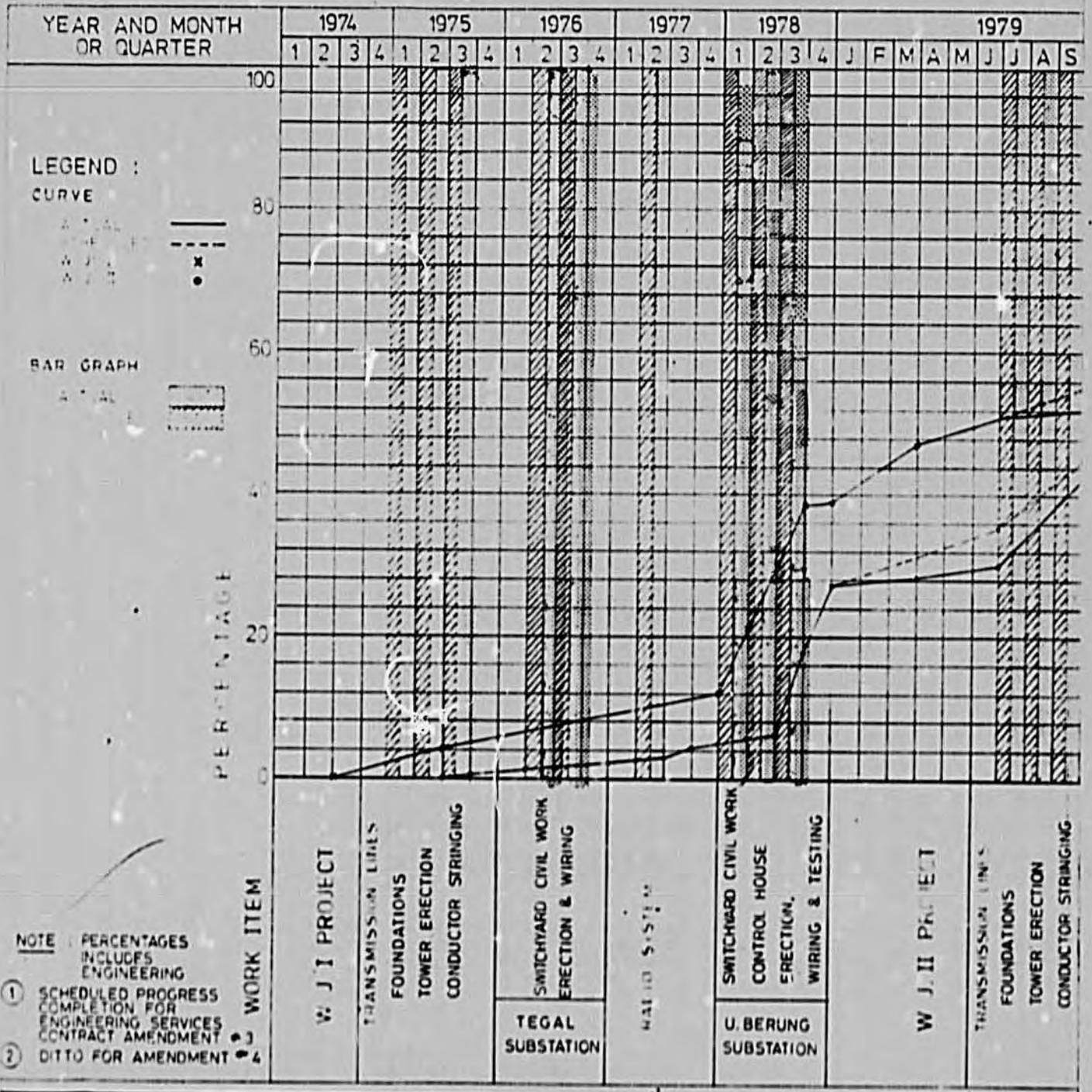
West Java I Project  
 Project Completion  
 (Includes Engineering and Design)  
 as of 31 July 1982

<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
Legal 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
<b>Total</b>	<b>100.0</b>			<b>100.0</b>	<b>100.0</b>
	*****			*****	*****

West Java II Project  
 Project Completion  
 (Includes Engineering and Design)  
 as of 31 July 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
<b>Total</b>	<b>100.0</b>			<b>100.0</b>	<b>99.9</b>
	*****			*****	*****

# WEST JAVA I AND II PROJECTS PROJECT COMPLETION AS OF 31 JU

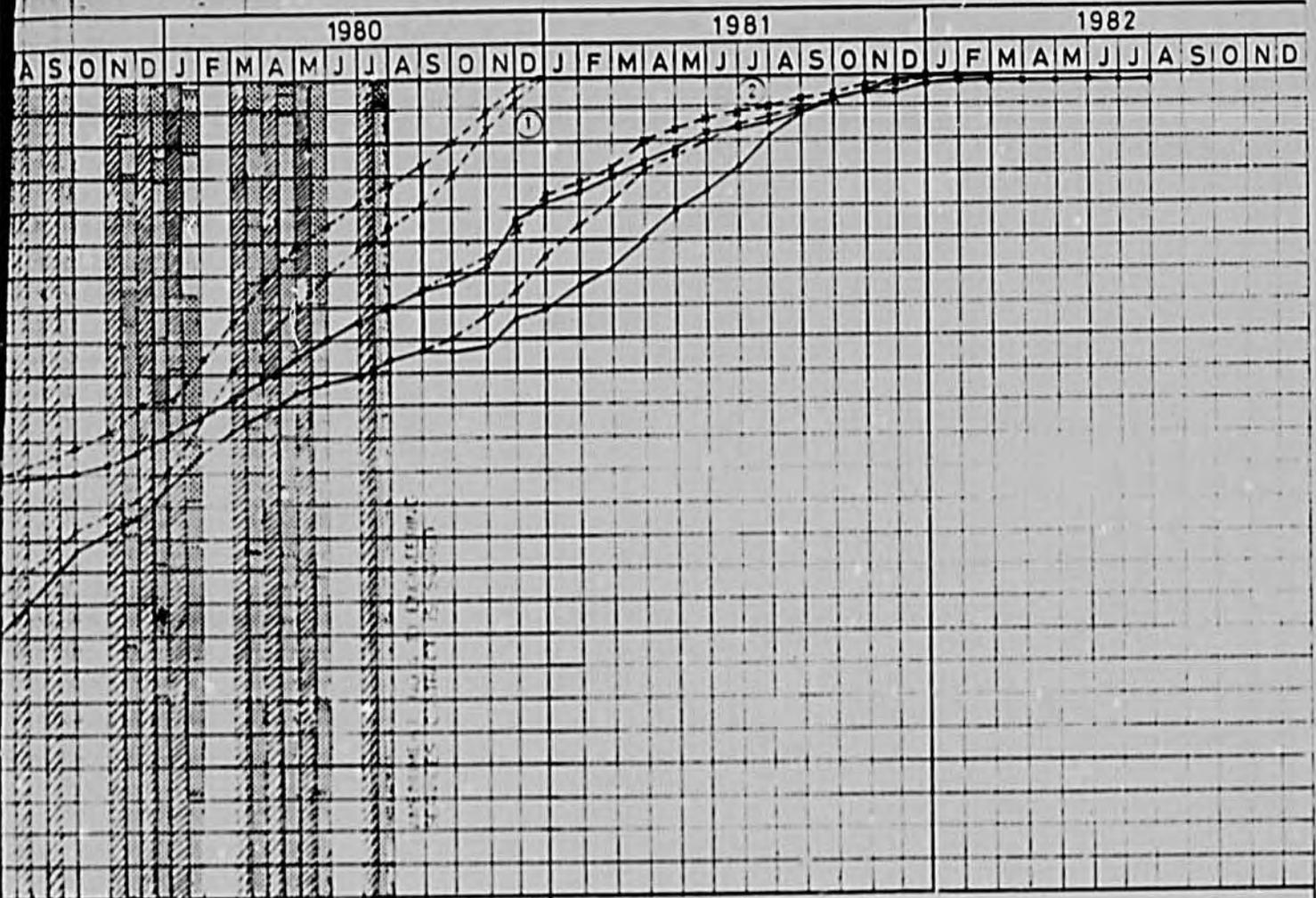


**NOTE :** PERCENTAGES INCLUDES ENGINEERING

① SCHEDULED PROGRESS COMPLETION FOR ENGINEERING SERVICES CONTRACT AMENDMENT

② DITTO FOR AMENDMENT

31 JULY , 1982



<p>TOWER ERECTION CONDUCTOR STRINGING</p>	<p>SAITI HIARD CIVIL WORK CONTROL HOUSE ERECTION, WIRING &amp; TESTING</p>	<p>SAITI HIARD CIVIL WORK CONTROL HOUSE ERECTION, WIRING &amp; TESTING</p>	<p>RADIO SYSTEM</p>
<p>BGG UTARA SUBSTATION</p>		<p>BGGOR SUBSTATION</p>	