

PO - ANN-152  
ISN-31412

4970232/53

PERUSAHAAN UMUM LISTRIK NEGARA  
JAKARTA, INDONESIA

WEST JAVA  
ELECTRIC TRANSMISSION PROJECT

## MONTHLY REPORT

OCTOBER 1978

WEST JAVA II PROJECT

CONTRACT NO. PJ 023/PST/75

AID LOAN NO 497-W-032



CHAS. T. MAIN INTERNATIONAL, INC.

---

BOSTON MASSACHUSETTS U.S.A.

BANDUNG, INDONESIA

**MAIN**  
*Engineers*

**PERUSAHAAN UMUM LISTRIK NEGARA CONSULTANT**  
**CHAS. T. MAIN INTERNATIONAL, INC.**  
BANDUNG - TROMOLPOS 69, TEL. 88888, JL. PROGO 88  
JAKARTA - P.O. BOX 100, KRT KEBAYORAN TIMUR, TEL. 778888 JL. WIJAYA 1/61  
SEMARANG - P.O. BOX 88, TEL. 811708 JL. BLAMET 8

8 December 1978

Letter No. B - 8358

Ir. Djurzan Hamid  
PERUSAHAAN UMUM LISTRIK NEGARA  
Proyek Induk Jaringan Jawa Barat & Jakarta Raya  
Jl. Cililitan Besar No. 1  
Jakarta.

Subject : Contract No. Pj.023/PST/75  
Monthly Report

Dear Ir. Djurzan :

In accordance with Appendix V of the subject Contract,  
enclosed are six (6) copies of our report for the month  
of October 1978.

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

  
C.J. Whitby

Manager of Administration

CJW/sm

cc. : DIRBANG - PLN Pusat (encl.)  
AID - Jakarta (encl. 4 copies) ✓  
MAIN - USA (encl.)

WEST JAVA PROJECT - PHASE II

MONTHLY REPORT

OCTOBER 1978

A. PERSONNEL

I. ENGINEER

- a. On 23 September. ENGINEER submitted complete Bio-data and requested from PLN the assignment of Mr. R.W. Malchow as Project Manager for both Projects. On 12 October, PLN approved the assignment and Mr. Malchow joined the Projects on 24 October.
- b. End of the period strength was as follows :

<u>NAME</u>	<u>TITLE</u>	<u>ARRIVAL DATE</u>
R.W. Malchow	Project Manager (1)	24 Oct. 1978
W.L. Rush	Manager of Constr. (1)	24 Apr. 1978
C.J. Whitby	Manager of Administration (1)	10 Sep. 1974
W.A. Villegas	Supervisor of Stores (1)	25 Jul. 1977
J.C. Harkey	Substation Engineer (1)	15 Oct. 1977
D.L. Frye	Transmission Engineer (1)	3 Jan. 1978
N.F. Dennis	Survey Engineer (1)	13 Jun. 1977
J.P. Radda	Administrative Assistant (1)	19 Jun. 1978
J.R. Knowles	Supervisor of Equip. Maint. (1)	2 Aug. 1978
J.F. Christensen	Superintendent of Constr.	6 Sep. 1977
D.L. Hawks	Construction Supervisor	10 Apr. 1978

(1) Performs the same function for the West Java I Project.

2. PLN

a. End of the period strength was as follows :

<u>JOB TITLE</u>		<u>NUMBER</u>
Transmission Liaison Engineer (1)		1
Logistics Coordinator (1)		1
Drivers (1)		13
Draftsmen (1)		6
Secretaries (1)		5
Survey Crew Personnel		27

(1) Performs the same function for the West Java I Project.

B. ADMINISTRATIVE AND GENERAL

I. ADMINISTRATION

a. Contract Data (Signed Contracts)

(1) No. Pj.152/PST/77	5 September 1977	(Rp. 452.526.908,- ( \$ 7,744,165.78
Amendment No. 1	10 July 1978	
Irby Construction Company Tower Steel, Insulators and Accessories		
(2) No. Pj.051/PST/78	10 March 1978	\$ 87,852.00
Ohio Brass Company Lighting Arrestors		
(3) No. Pj.052/PST/78	11 March 1978	\$ 4,981,321.52
Irby Construction Company Substation Equipment		
(4) No. Pj.053/PST/78	11 March 1978	\$ 3,974,100.16
General Electric Company Substation Equipment		

(5) No. SPj.016/PLN/PI RING/77 4 July 1977 Rp. 54.245.000,-  
For Both Projects.

Sumber Jaya  
Grounding Material

(6) No. SPj.017/PLN/PI RING/77 13 August 1977 Rp. 40.100.000,-  
For Both Projects.

P.T. Arcon  
Stub Angles

(7) No. SPj.001/PLN/PI RING/78 23 April 1978 Rp. 329.553.000,-  
Citac Ltd.  
Foundations

b. Contract Data (Pending Contracts)  
No Report.

**C. CONFERENCES AND EVENTS**

1. Amendment No. 3 to the PLN/CTM Contract was submitted in Draft form to PLN Project, PLN Pusat and USAID. Meetings are scheduled to discuss the Amendments and ENGINEER is hopeful of early agreement.
2. Ir. Faridhan, PLN Project Manager, and J.M. Stephens from ENGINEER's Charlotte office, witnessed the West Java II Tower Tests at SAF, Lecco, Italy on 20 and 21 October. All tests were successful at 100% of load. In the destruction test, tower failure occurred at a load level of 106% of transverse loads and 100% of vertical loads.

**D. PROBLEM AREAS**

1. Property acquisition remains critical. The foundation contractor shut down several crews because of the lack of tower locations.

## **L. DESIGN AND FIELD PROGRESS**

### **1. TRANSMISSION**

- a. For the Line Sections Cigereleng - Bogor and Bogor - Cibinong, tower locations and staking data were checked for correct leg extensions. Final tower quantities were sent to ENGINEER's Charlotte office.
- b. Stub angles for the TA3A towers were fabricated and delivered by P.T. Arcon.
- c. The Cibinong Substation site was relocated approximately 800 meters to the West. Transmission line entrances are being changed.

### **2. SUBSTATIONS**

- a. Meetings were held with PLN to discuss changes in the Irby and General Electric Contracts for Substation Equipment.
- b. IFB's for Substation Control Houses and for Civil work are being prepared.
- c. Specifications for the antenna towers for the mobile radio repeaters are complete. The IFB should be issued as soon as land can be purchased.

### **3. CONSTRUCTION**

- a. Section II Foundation - Contractor : Citac Ltd.
  - (1) Contractor poured foundations for 53 towers during the month making total of 203 towers poured to date. There are 269 towers in this section.
- b. Section III foundations - Contractor : Citac Ltd.
  - (1) Work not started as yet.

- c. Sections I and IV are bundled conductor foundations and have not been put out for bid.

**F. TRAINING**

- 1. No Report.

**TOWER TESTING**



**Tower Rigging  
for Testing**

**Buckled Leg after  
Destructive Test**

