

PD-AAN-153  
(SN = 31413)

4970232/53

PERUSAHAAN UMUM LISTRIK NEGARA  
JAKARTA, INDONESIA

WEST JAVA  
ELECTRIC TRANSMISSION PROJECT

## MONTHLY REPORT

NOVEMBER 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. 56869, JL. PROGO 32  
JAKARTA - P.O. BOX 100, KBT KEBAYORAN TIMUR, TEL. 776925 JL. WIJAYA 1/61  
SEMARANG - P.O. BOX 26, TEL. 311702 JL. SLAMET 1

18 January 1979

Letter No. B - 8624

Ir. Djurzan Hamid  
PERUSAHAAN UMUM LISTRIK NEGARA  
Proyek Induk Jaringan Jawa Barat & Jakarta Raya  
Jl. Cililitan Besar 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 November 1978.

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

*C.J. Whitby by (P.S.)*

C.J. Whitby

Manager of Administration

CJW/rs.-

cc. : DIRJIANG - PLN Pusat (Encl. 1)  
AID - Jakarta (Encl. 4 copies) ✓  
MAIN - USA (Encl. 1)

bcc. : B - 20

B - 2C.10

WEST JAVA PROJECT - PHASE II

MONTHLY REPORT

NOVEMBER 1978

A. PERSONNEL

1. ENGINEER

a. There were no changes during the period. 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 Construction	(1)	24 Apr. 1978
C.J. Whitby	Manager of Administration	(1)	10 Sep. 1974
N.F. Dennis	Survey Engineer	(1)	13 Jun. 1977
J.C. Harkey	Substation Engineer	(1)	15 Oct. 1977
D.L. Frye	Transmission Engineer	(1)	3 Jan. 1978
W.A. Villegas	Supervisor of Stores	(1)	25 Jul. 1977
J.P. Radda	Administrative Assistant	(1)	19 Jun. 1978
J.R. Knowles	Supervisor of Equip.Maint.	(1)	2 Aug. 1978
J.F. Christensen	Construction Inspector		6 Sep. 1977
D.L. Hawks	Construction Inspector		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

Secretaries	(1)	5
Draftsmen	(1)	6
Accounting Clerks	(1)	2
Drivers	(1)	16
Survey Crew Personnel		27

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

**B. ADMINISTRATION AND GENERAL**

**1. ADMINISTRATION**

**a. Contract Data (Signed Contracts and Amendments)**

- (1) No. Pj.152/PST/77  
Irby Construction Company  
Transmission Line Construction  
Original Contract US. \$ 7,744,165.78  
5 September 1977 Rp. 452.526.908,-  
Amendment No.1 US \$ 312,400.72  
10 July 1978 Rp. 13.137.605,-
- (2) No. Pj.051/PST/78  
Ohio Brass Company 10 March 1978  
Lightning Arrestors US \$ 87,852.00
- (3) No. Pj.052/PST/78 11 March 1978  
Irby Construction Company US \$ 4,981,321.52  
Substation Equipment
- (4) No. Pj.053/PST/78 11 March 1978  
General Electric Company 11 March 1978  
Substation Equipment US \$ 3,974,100.16
- (5) No. SPj.016/PLN/PI RING/77 4 July 1977  
Sumer Jaya Rp. 54.245.000,-  
Grounding Material For Both Projects

(6) No. SPj.017/PLN/PI RING/77	13 August 1977
P.T. Arcon	Rp. 40.100.000,-
Stub Angles	For Both Projects
(7) No. SPj.001/PLN/PI RING/78	25 April 1978
Citac Ltd.	Rp. 329.553.000,-

2. Contract Data' (Pending Contracts)  
No Report.

C. CONFERENCES AND EVENTS

1. Project Meeting No.15 was held on 18 November in PLN's Cawang office, Construction Progress reports were presented, Contract Status was discussed and preliminary Substation Construction and Equipment Shipping Schedules were reported.

D. PROBLEM AREAS

1. Property acquisition remains critical. The foundation contractor shut down several crews because of lack of tower locations.
2. Notification from Irby that one of their Lash Barges number CG-140 containing :

102 reels of Dove/AW (KAISER) 556.5 mcm conductor and 10,146 LAPP No.8200-70 Suspension Insulators for West Java. Two had 8 feet of sea water in the storage cargo area while in Singapore Harbor. The water was pumped out and the barge leak repaired.

Barge No. CG-140 was unloaded on November 17 and 18. Insulator crates and Conductor reels were carefully identified.

A representative from KAISER was present during the unloading and inspection of the conductor.

Samples of the conductor were taken and shipped to the KAISER LABORATORIES in the United States to determine the affect of the sea water on the conductor. The reels of conductor were moved to Irby warehouse in Bandung and Bogor.

The insulators were delivered to Irby warehouse in Bogor. The insulator crates were opened and the insulators cleaned by Irby. Irby was advised by Lapp to wash the insulators and wipe dry and then wipe with an oily rag.

## **E. DESIGN AND FIELD PROGRESS**

### **1. TRANSMISSION**

- a. Line survey check is completed on line sections Ujungberung-Cigereleng, and Cigereleng-Bogor.
- b. Survey line check and tower staking continues on line section Cibinong-Gandul.
- c. Stub angle fabrication for Bundle Conductor towers continues.
- d. Cibinong Substation site was relocated. Transmission line entrances are being resurveyed.

### **2. SUBSTATIONS**

- a. Meetings were held with PLN Pusat to finalize changes to the Contracts with Irby Construction Company and General Electric Company. PLN instructed ENGINEER to proceed with preparation of the Amendments.
- b. Work continued on finalizing the IFB's for civil work at each Substation.
- c. Work continued of the Construction Schedule for Substations.
- d. Work continued on preparing information related to receiving, handling and storage of substation material once it arrives in country.

The first such material arrived in the port of Cirebon on 13 November 1978 from General Electric Company. Eighty-four 150 KV bushings were in the shipment.

3. MOBILE RADIO

- a. Locations for the Repeater sites were staked. PLN will begin the process of purchasing the required land.
- b. Specifications for the antenna towers were submitted to PLN for issuance of IFB's.
- c. Motorola was informed to ship the radio equipment as soon as possible. Frequencies for the radio system have not yet been issued.

4. CONSTRUCTION

- a. Section II Foundation-Contractor : Citac Ltd.
  - 1. Contractor poured foundations for 11 towers during the month, making a total of 214 towers poured to date. There are 269 towers in this section.
- b. Section III Foundation-Contractor : Citac Ltd.
  - 1. Work not started as yet.

F. TRAINING.

No Report.