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ISN=31407

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**PERUSAHAAN UMUM LISTRIK NEGARA  
JAKARTA, INDONESIA**

**WEST JAVA  
ELECTRIC TRANSMISSION PROJECT**

**MONTHLY REPORT**

**AUGUST 1978**

**WEST JAVA I PROJECT**

**CONTRACT NO. PJ 013/PST/74**

**AID LOAN NO. 497-H-028**



**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 60, TEL. 58860. JL. PROGO 82  
JAKARTA - P.O. BOX 100, KBT KESAYORAN TIMUR, TEL. 776925 JL. WIJAYA 1/61  
SEMARANG - P.O. BOX 26, TEL. 27108, JL. SLAMET 1

11 October 1978

Letter No. B - 7758

Ir. Djurzan Hamid

PERUSAHAAN UMUM LISTRIK NEGARA

Proyek Induk Jaringan Jawa Barat & Jakarta Raya

Jl. Cililitan Besar No. 1

Jakarta.

Subject : Contract No. Pj.013/PST/74  
Monthly Report

Dear Ir. Djurzan :

In accordance with article 7.2 of the subject contract,  
enclosed are six (6) copies of our report for the month  
of August 1978.

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

  
C.J. Whitby  
Acting Project Manager

CJW/sm

cc. : DIRBANG - PLN Pusat  
USAID - Jakarta ✓  
MAIN - Boston  
MAIN - Charlotte

WEST JAVA PROJECT - PHASE I

MONTHLY REPORT

AUGUST 1978

A. PERSONNEL

1. ENGINEER

- a. On 25 May, ENGINEER requested from PLN the assignment of Mr. James R. Knowles as Supervisor of Equipment Maintenance for both Projects. On 12 June, PLN approved the assignment and Mr. Knowles joined the Projects on 2 August.
  
- b. Mr. H.W. De Klerk, former Project Manager, was assigned a new position in ENGINEER's Boston office and departed Indonesia on 16 August.
  
- c. End of the period strength was as follows :

<u>NAME</u>	<u>TITLE</u>	<u>ARRIVAL DATE</u>
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
C.C. Guico	Electrical Engineer (1)	17 Sep. 1976
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
R.C. Van Nest	Superintendent of Constr. .	17 Feb. 1977
W.A. Arnold	Construction Supervisor	1 Sep. 1977
Zainal Saur	Construction Supervisor	16 Mar. 1978
C.V. Silman	Construction Supervisor	1 Jun. 1978

(1) Performs the same function for the West Java II 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		14

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

B. ADMINISTRATION AND GENERAL

1. ADMINISTRATION

a. Contract Data (Signed Contracts)

(1)	No. Pj.153/PST/77	5 September 1977	\$ 2,531,335.58
	Amendment No. 1	10 July 1978	
	Irby Construction Company		
	Tower Steel, Insulators and Accessories		
(2)	No. Pj.202/PST/77	28 November 1977	\$ 284,289.50
	Copperweld Industries		
	Shieldwire		
(3)	No. Pj.203/PST/77	28 November 1977	\$ 1,906,391.70
	Amendment No. 1	10 July 1978	54,615.55
	Southwire Company		
	Conductor		

- (4) No. Pj.050/PST/78 10 March 1978 \$ . 369,473.98  
Tension Stringing Equipment Co.  
Wiring Stringing Equipment
- (5) No. Pj.051/PST/78 10 March 1978 \$ 87,852.00  
Ohio Brass Company  
Lighting Arrestors
- (6) No. Pj.052/PST/78 11 March 1978 \$ 4,499,800.74  
Irby Construction Company  
Substation Equipment  
Maintenance Tools and Equipment
- (7) No. Pj.053/PST/78 11 March 1978 \$ 2,452,391.40  
General Electric Company  
Substation Equipment
- (8) No. Pj.087/PST/78 11 May 1978 \$ 395,813.20  
Motorola  
Radio Equipment
- (9) No. SPj.016/PLN/PI RING/77 4 July 1977 Rp. 54.245.000,-  
For Both Projects  
Suaber Jaya  
Grounding Material
- (10) No. SPj.017/PLN/PI RING/77 13 August 1977 Rp. 40.100.000,-  
For Both Projects  
P.T. Arcon  
Stub Angles
- (11) No. SPj.022/PLN/PI RING/77 27 October 1977 Rp. 199.278.000  
Tikon Abadi  
Foundaticns - Section I

(12) No. SPj.023/PLN/PI RING/77 27 October 1977 Rp. 153.445.000,-  
Gunung Kencana  
Foundations - Section IIA

(13) No. SPj.024/PLN/PI RING/77 27 October 1977 Rp. 164.789.000,-  
Dharma Niaga  
Foundations - Section IIE

b. Contract Data (Pending Contracts)

(1) Power Line Carrier - No Report

C. CONFERENCES AND EVENTS

1. Mr. R.S. Wolfe, Soils Engineer from ENGINEER's Charlotte office, spent most of the month in Indonesia investigating those foundations for which the concrete did not meet break specifications. Some eleven (11) foundations were suspect. Mr. Wolfe's report was presented to PLN on 22 August and at month end, PLN's review was underway.

D. PROBLEM AREAS

1. Foundation Contractors continue to have financial difficulties. PLN and ENGINEER personnel have discussed these problems with the Contractors but with only modest success.

E. DESIGN AND FIELD PROGRESS

1. DISTRIBUTION

a. Work continued on the Final Report on Distribution for submission to PLN. All other work is complete.

2. TRANSMISSION

a. The survey of the final section of line between Ujungberung and

Bandung Utara was completed. Field notes are being drafted into the Plan and Profile drawings.

- b. Excessive underground water conditions required the relocation of two (2) towers.
- c. With the exception of some 60 spans between Ujungberung and Bandung Utara, routine checking of span lengths and elevations against Plan and Profile drawings is complete. 408 spans were checked. Some spans in the Tegal - Cirebon section may be re-checked now that the sugar cane has been harvested.
- d. Work continues on the IFB for Tower Erection.

### 3. SUBSTATIONS

- a. Meetings were held with PLN Pusat concerning design problems and LDC requirements.
- b. ENGINEER's Substation Engineer departed Indonesia for design discussions in the Home office.
- c. Mobile radio frequencies have been assigned.

### 4. CONSTRUCTION

- a. Section I Foundation - Contractors : Tikon Abadi/Dharma Niaga
  - (1) Contractors poured foundations for 15 towers during the month, making a total of 135 towers poured to date. There are 165 towers in this Section.
- b. Section IIA Foundations - Contractor : Gunung Kencana
  - (1) Contractor poured foundations for 11 towers during the month, making a total of 119 towers poured to date. There are 154 towers in this Section.
- c. Section IIB Foundations - Contractor ; Dharma Niaga
  - (1) Contractor is now working in Section I.  
A total of 84 towers have been poured to date in Section

IIB. There are 148 towers in this Section. This number includes 60 towers from Ujungberung to Bandung Utara which are not started as yet.

5. OTHER

- a. 243 reels of Shieldwire arrived 1 August at the port of Cirebon. Documents are being processed for customs clearance.

F. TRAINING

1. No Report