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PERUSAHAAN UMUM LISTRIK NEGARA
JAKARTA, INDONESIA

WEST JAVA
ELECTRIC TRANSMISSION PROJECT

MONTHLY REPORT

DECEMBER 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 33
JAKARTA - P.O. BOX 100, KBY KEBAYORAN TIMUR, TEL. 776828 JL. WIJAYA 1/61
BEMARANG - P.O. BOX 26, TEL. 311702 JL. BLAMET 1

23 January 1979

Letter No. B - 8870

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 December 1978.

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

James P. Radda
C.J. Whitby *for CJW*
Manager of Administration

CJW/ns.-

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

WEST JAVA PROJECT - PHASE II

MONTHLY REPORT

DECEMBER 1978

A. PERSONNEL

I. ENGINEER

- a. During the month of December there were the following changes :
- i Mr. W.L. Rush, Construction Manager, resigned and departed Indonesia 8 December 1978.
 - ii. Mr. N.F. Dennis, Survey Engineer completed his assignment and returned to the U.S.A. 17 December.

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
C.J. Whitby	Manager of Administration (1)	10 Sep. 1974
J.C. Harkey	Substation Engineer(1)	15 Oct. 1977
D.L. Frye	Transmission Engineer (1)	3 Jan. 1978
W.A. Villegas	Supervisor of Storrs (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 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 GENERAL

1. ADMINISTRATION

a. Contract Data (Signed Contracts and Amendments)

(1) No. Pj.152/PST/77	5 September 1977	Rp. 452.526.908,-
		\$. 7,744,165.78
Amendment No.1	10 July 1978	Rp. 13.137.605,-
		\$. 312,400.72

Irby Construction Company
Transmission Line Construction.

(2) No. Pj.051/PST/78	10 March 1978	US.\$ 87,852.00,-
Ohio Brass Company		
Lightning Arrestors		
(3) No. Pj.052/PST/78	11 March 1978	US. \$ 4,981.321.52
Irby Construction Company		
Substation Equipment		
(4) No. Pj.053/PST/78	11 March 1978	US. \$ 3,974,100.16
General Electric Company		
Substation Equipment.		

- (5) No. SPj.016/PLN/PI RING/77 4 July 1977 Rp. 54.245.000,-
Sumber Jaya For Both Projects
Grounding Material
- (6) No. SPj.017/PLN/PI RING/77 13 August 1977 Rp.40.100.000,-
PT. Arcon For Both Projects
Stub Angles
- (7) No. SPj.001/PLN/PI RING/78 25 April 1977 Rp.329.553.000,-
Citac Ltd.

2. Contract Data (Pending Contracts)
No Report.

C. CONFERENCES AND EVENTS

1. Project Meeting No. 16 was held on 21 December in PLN's Ciliwung office. Reports were presented on construction progress for Transmission Tower Foundations; design progress on substations; the status on mobile radios; the status of the maintenance shop at Cigereleng; the status of the materials warehouse at Sunyaragi; problems with vehicles assigned to C.T.Main; personnel changes.

D. PROBLEMS AREAS

1. Property aquisition remains critical. Because of lack of property contractor can not construct tower foundations in continuity.
2. Irby shipped some of the insulators on barge CG -140 to the United States to be tested in lapp laboratories. No word as to the results of the test.

B. DESIGN AND FIELD PROGRESS

1. TRANSMISSION

- a. Tower staking on line section Cibinong to Gandul was completed during this period. Survey line check continues.
- b. Stub angle fabrication for bundle conductor towers continues.
- c. Survey of Transmission Line entrances to Cibinong substation complete.

2. SUBSTATIONS

- a. Specifications and drawings for Bandung Utara Substation were mailed to PLN 20 December.
- b. Work continues on the drawings for the control house at Bogor substation.
- c. The North route to Bogor substation will have to be used for access to the substation. The other two access roads have bridges which would prevent transporting heavy equipment and materials.
- d. Wave Trap Frequencies have not yet been submitted by Cogelex. Until these are submitted, fabrication of the wave traps for the substations cannot be completed.

3. MOBILE RADIO

- a. Tower staking has been completed for the site at Puncak Pass.
- b. The tower height will be a minimum 40 meters.
- c. Perum Telekomunikasi has not yet released the approval for the radio frequencies. Until this approval has been released, customs clearance cannot be obtained for the radios.

4. CONSTRUCTION

a. Section II Foundation - Contractor : Citac Ltd.

(1) Contractor poured foundation for 43 towers during the month, making a total of 257 towers poured to date. There are 269 towers in this section.

b. Section III Foundation - Contractor : Citac Ltd.

(1) Construction begin during this period. During this the Contractor poured 47 tower foundations. There are 60 tower locations in this section.

F. TRAINING

a. No Report.