

PD-AAN-148
ISN = 31408

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PERUSAHAAN UMUM LISTRIK NEGARA
JAKARTA, INDONESIA

WEST JAVA
ELECTRIC TRANSMISSION PROJECT

MONTHLY REPORT

OCTOBER 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 69, TEL. 58888, JL. PROGO 88
JAKARTA - P.O. BOX 100, KBT KEBAYORAN TIMUR, TEL. 776828 JL. WIJAYA 1/81
SEMARANG - P.O. BOX 26, TEL. 311702 JL. SLAMET 1

8 December 1978

Letter No. B - 8360

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 October 1978.

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


C.J. Whitby

Manager of Administration

CJW/sm

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

WEST JAVA PROJECT - PHASE I

MONTHLY REPORT

OCTOBER 1978

A. PERSONNEL

1. 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
R.C. Van Nest	Superintendent of Const.	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
Draftmen (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 \$ 395,819.20
Motorola
Radio Equipment
- (9) No. SPj.016/PLN/PI RING/77 4 July 1977 Rp. 54.245.000,-
For Both Projects
Sumber 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
Foundations - 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 II B

(14) No. SPj.010/PLN/PI RING/78-79 8 December '78 Rp. 132.894.300,-
P.T. Perfect Circle
Tower Erection

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 Amendment and ENGINEER is hopeful of early agreement.

D. PROBLEM AREAS

1. Foundation Contractors should utilize more equipment in order to speed up progress.

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 Plan and Profile of the Section of the line between Ujungberung and Bandung Utara was completed during the period. Final quantities were established and sent to ENGINEER's Charlotte Office.

- b. Final checking of Span Lengths of the Section of line between Tegal and Cirebon was completed during the period. This checking had been delayed awaiting the harvest of Sugar Cane in the area.
- c. Tower erection bids were received and evaluated. The Bid Evaluation was submitted to PLN and P.T. Perfect Circle was awarded the Contract. Material delivery to selected tower sites was underway at the end of the period.
- d. The review of Foundation As-Builts and concrete cylinder breaks for acceptance of foundations continued during the period.
- e. Foundation Design Calculations and Repair Drawings were accepted by PLN. Repairs will be made for those foundations with poor concrete and incorrect As-Builts.
- f. Erection Drawings for all tower types were received in Bandung.
- g. Stub Angles for the TA3A towers were fabricated and delivered by P.T. Arcon.
- h. To date, property has been procured for the majority of tower locations between Tegal - Cirebon and Cirebon - Ujungberung. Property not acquired has not hindered construction progress because of agreements with property owners. Property has not been procured on the Ujungberung - Bandung Utara Section.

3. 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.

4. CONSTRUCTION

- a. Section I Foundations - Contractors: Tikon Abadi/Dharma Niaga

- (1) Contractors poured foundations for 10 towers during the month, making a total of 163 towers poured to date. There are 165 towers in this Section.

- b. Section IIA Foundations - Contractor: Gunung Kencana

- (1) Contractor poured foundations for 4 towers during the month, making of 127 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. Property is being inventoried for purchase.

- d. Each Contractor has a few footings to repair. Progress is slow but steady.

- e. Tower Erection. PLN Crews had erected three (3) towers by the end of the month. The Contractor, P.T. Perfect Circle, will start erection crews in early November.

F. TRAINING

- 1. On-the-job Training is underway in connection with Tower Erection. Early progress appears good.